

***All pricing is 30% off list with the exception of prices marked with an E/C code of S or V.***

***Items with E/C Codes of S or V are NET pricing.***

# **Harris Public Safety and Professional Communications Products & Services Catalog**

**NOTICE!**

The material contained herein is subject to U.S. export approval. No export or re-export is permitted without written approval from the U.S. Government. Rated: EAR99; in accordance with U.S. Dept. of Commerce regulations 15CFR774, Export Administration Regulations.

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## CUSTOMER SERVICE AND ORDERING INFORMATION

### CUSTOMER AND FINANCIAL SERVICES

This catalog contains pricing and ordering information on standard two-way mobile radio equipment, control devices, and accessories manufactured by Harris Corporation and complementary equipment supplied by other manufacturers.

Updates, such as product additions or price changes, will be made promptly to the catalog information that appears on our website. The address for the website appears below. This catalog will be issued periodically.

The following sections are included for ease of ordering:

- **Code Numbers for Radio Services** – Applicable code must be stated on all orders. Codes represent the customer classification of radio equipment users.
- **Hazardous Atmosphere Categories** – Selected portable radios with appropriate factory installed options are certified as **Intrinsically Safe** for use in Division 1, Class I hazardous locations in the presence of Gas Groups C and D atmospheres, Class II hazardous locations in the presence of Gas Groups E, F, and G atmospheres, Class III hazardous locations, and as **Nonincendive** for use in Division 2, Class I hazardous locations in the presence of Gas Groups A, B, C, and D. Typical certification information is shown herein. See product data sheets for actual product specifications.
- **Customer Contact Information and Financial Services** – Web addresses, contacts and telephone numbers, standard payment terms and financing plans, order acceptance and documentation, sales to leasing companies, customer credit application, and Uniform Commercial Code (UCC-1) Financing Statement.
- **Warranty and Rechargeable Battery Warranty** – Copies of Harris warranties are located at the website <https://www.harris.com/solution/pspc-customer-service>.

Each catalog listing is identified with an Equipment Class Code where applicable, a brief description, and/or rating to confirm selections for ordering purposes. The Equipment Class Codes that appear in the catalog are used as ordering number “prefixes” only, therefore they do not form part of the actual model or option number. However, the equipment class code letter must be stated when ordering. Equipment Class Codes are listed as follows:

BC	Bid Cost
C	Combination Model
L	Software Services
LD	License with Delivery
N	Option – Configured
NB	Feature Option
P	Part
S	Service Part
V	Vendor Option
VC	Vendor Customizes to Harris Specifications
VM	Vendor Combination Model
VN	Vendor Option – Configured
Y	Special Code (use only when directed)

All prices and products are subject to change without notice. All prices shown are US Dollars. Shipping and handling charges are to be paid or billed to the customer. The Purchaser is responsible for the payment of excise, sales, use, and similar taxes that may be applicable.

All orders are subject to acceptance at the Harris facilities in Lynchburg, Virginia. Orders must be sent electronically, faxed, or submitted on a Harris order form and will be subject to the standard terms and conditions.

## CODE NUMBERS FOR RADIO SERVICES (FOR APPLICATION IN THE U.S.A. ONLY)

On all orders, insert applicable code number in the CLASS OF SERVICE box at the bottom of the order form. Codes represent the customer classification of radio equipment users.

### BUSINESS & INDUSTRIAL

EOO - SPECIAL EMERGENCY (90)  
 E15 - Ambulance (Privately Owned)  
 E20 - Doctor  
 E30 - Veterinarian  
 E45 - School Bus (Privately Owned)  
 E55 - Hospital (Privately Owned)  
 GOO - PETROLEUM (90)  
 G10 - Pipeline  
 G20 - Refining  
 G30 - Producing  
 G40 - Drilling  
 G50 - Exploration  
 G90 - Other  
 HOO - FOREST PROD. (90)  
 IOO - SPECIAL INDUSTRIAL (90)  
 I10 - Agriculture  
 I20 - Shaft Mining  
 I21 - Strip Mining  
 I30 - Heavy Construction (Bridges, Roads, etc.)  
 I31 - Special Trade Contractor  
 I32 - Water Well Drilling  
 I33 - Water, Oil, Gas, or Power Product Systems  
 I40 - Newspaper Periodicals (Relay Press)  
 I50 - Concrete Asphalt Delivering  
 I51 - Fuel Oil/LP Gas Deliveries  
 I60 - Oil Field Maintenance & Service  
 I90 - Other  
 JOO - BUSINESS (90)  
 J10 - Building Contractor  
 J11 - Heavy Construction  
 J12 - Excavating and Grading  
 J13 - Electrical Contractor  
 J20 - Wholesale Commercial Product Dealers  
 J21 - Commercial & Industrial Machinery, Equipment & Supplies  
 J30 - Retail Consumer Products  
 J31 - TV and Appliance Dealers  
 J32 - Heating, Plumbing, Air Conditioning Equipment Dealers  
 J33 - Fuel Oil/LP Gas Dealers  
 J34 - Building Material Dealers  
 J35 - Automobile Dealers  
 J36 - Gasoline Service Stations  
 J37 - Auto Tire, Battery & Accessory Parts Dealers

### BUSINESS & INDUSTRIAL

J38 - Electronic Sales & Service (Not included in J31)  
 J39 - Real Estate  
 J40 - Retail Services  
 J41 - Laundry & Dry Cleaning  
 J42 - Exterminators  
 J43 - Automobile Repair  
 J44 - Detective Agencies  
 J45 - Septic Tank & Sewer Service  
 J46 - Credit Agencies  
 J47 - Insurance Agencies  
 J50 - Commercial Products Sales & Service  
 J51 - Vending Machines  
 J52 - Paper and Pulp  
 J53 - Two-Way Radio  
 J60 - Agriculture  
 J70 - Manufacturing  
 J90 - Other  
 KOO - MANUFACTURERS (90)  
 K10 - Chemicals  
 K20 - Primary Metals  
 K21 - Metal Working  
 K30 - Textiles  
 K40 - Machinery  
 K90 - Other  
 LOO - LOW POWER INDUSTRIAL (90)  
 (Now under Business)  
 NOO - MOTOR CARRIER (90)  
 N10 - Local & Suburban Passenger (Privately Owned)  
 N20 - Intercity Passenger  
 N30 - Local Trucking  
 N40 - Intercity Trucking  
 N90 - Other  
 OOO - CITIZENS (95)  
 O19 - Local and or Intercity Garage  
 O20 - Construction  
 O30 - Retail Sales  
 O40 - Service Trades  
 O50 - Personal Use  
 O90 - Other  
 QOO - MISC. COMMON CARRIER (90)  
 Q20 - RCC Affiliated with MR  
 Q30 - RCC End-user  
 Q40 - Telephone Co. End-user  
 YOO - AUTO EMERGENCY (90)  
 Y10 - Service Station or Garage  
 Y20 - Wrecker Service  
 Y30 - Automobile Club  
 Y90 - Other  
 ZOO - TAXI (90)

### PUBLIC SERVICE

AOO - POLICE (90)  
 A10 - Municipal  
 A20 - County  
 A30 - State Agency  
 A90 - Other  
 BOO - FIRE (90)  
 B10 - Municipal Paid  
 B20 - Municipal Volunteer  
 B30 - County Paid  
 B40 - County Volunteer  
 B90 - Other  
 COO - FORESTRY CONSERVATION (90)  
 DOO - HIGHWAY MAINTENANCE (90)  
 EOO - SPECIAL EMERGENCY (90)  
 E10 - Ambulance Service (Publicly Owned)  
 E40 - School Bus (Publicly Owned)  
 E50 - Hospital (Publicly Owned)  
 E60 - Civil Defense  
 E70 - Search-Rescue  
 E90 - Other  
 FOO - LOCAL GOVERNMENT (90)  
 F10 - Municipal  
 F20 - State Agency  
 F90 - Other  
 IOO - SPECIAL INDUSTRIAL (90)  
 I70 - Telephone Maintenance  
 MOO - POWER (90)  
 M10 - Municipally Owned Utility  
 M20 - State Owned Utility  
 M30 - Cooperative Utility  
 M40 - Privately Owned Electric Co.  
 M50 - Privately Owned Gas Co.  
 M60 - Privately Owned Water Co.  
 M90 - Other  
 NOO - MOTOR CARRIER (90)  
 N60 - Mass Transit (Public)  
 POO - INDEPENDENT TELEPHONE (21)  
 Q10 - MISC. COMMON CARRIER (90)  
 (RCC Not affiliated with MR)  
 SOO - TRAFFIC (90)  
 (Include Local Government)  
 TOO - TRANSPORTATION (90)  
 T10 - Railroad  
 T20 - Airlines  
 T30 - Steamship Lines  
 BELL SYSTEM  
 100 - Western Electric/Bell IMTS.  
 200 - Western Electric/Bell Other

Defense				
Agency	Non-GSA		GSA	
	DOM	EXP	DOM	EXP
Air Force	W50	W52	W5G	W5E
Army	W10	W12	W1G	W1E
Navy	W20	W22	W2G	W2E
Marines	W30	W32	W3G	W3E
NSA	W40	W42	W4G	W4E
Classified Acct's	W60	W62	W6G	W6E
NASA	W70	W72	W7G	W7E
Red Cross	W80	W82	W8G	W8E
Other Defense	W90	W92	W9G	W9E

### PUBLIC SERVICE (Federal Government)

Non-Defense									
Agency	Non-GSA		GSA		Agency	Non-GSA		GSA	
	DOM	EXP	DOM	EXP		DOM	EXP	DOM	EXP
U.S. Fish & Wildlife Service	V10	V12	V1G	V1E	Bureau of Alcohol, Tobacco & Firearms	370	372	37G	37E
Bureau of Land Mgt.	V20	V22	V2G	V2E	U.S. Customs Service	380	382	38G	38E
Bureau of Indian Affairs	V30	V32	V3G	V3E	U.S. Secret Service	390	392	39G	39E
Bureau of Reclamation	V40	V42	V4G	V4E	White House	410	412	41G	41E
National Park Service	V50	V52	V5G	V5E	Communications Agency				
U.S. Forest Service	V60	V62	V6G	V6E	Public Health Service	420	422	42G	42E
U.S. Coast Guard	V70	V72	V7G	V7E	I.R.S.	430	432	43G	43E
Dept. of Transportation	V80	V82	V8G	V8E	National Weather Service	440	442	44G	44E
Various Power Admin's.	V90	V92	V9G	V9E	National Oceanographic & Atmospheric Administration	450	452	45G	45E
U.S. Postal Service	310	312	31G	31E	Department of Labor	460	462	46G	46E
Veterans Administration	320	322	32G	32E	Agency for International Development	470	472	47G	47E
Drug Enforcement Admin.	330	332	33G	33E	Embassies/State Department	480	482	48G	48E
F.B.I.	340	342	34G	34E	Other Non-Defense	490	492	49G	49E
U.S. Marshalls	350	352	35G	35E					
Immigration & Naturalization Service	360	362	36G	36E					

## HAZARDOUS ATMOSPHERE CATEGORIES

**Typical certification information is shown herein. See product data sheets for actual product specifications.** Selected portable radios with appropriate factory installed options are certified as Intrinsically Safe for use in Division 1 Class I, hazardous locations in the presence of Gas Groups C and D atmospheres, Class II hazardous locations in the presence of Gas Groups E, F, and G atmospheres, Class III hazardous locations, and as **Nonincendive** for use in Division 2, Class I hazardous locations in the presence of Gas Groups A, B, C, and D.

### INTRINSICALLY SAFE

Electrical equipment that is incapable of releasing sufficient electrical or thermal energy under normal or abnormal operating conditions to cause ignition of a specific hazardous mixture and air.

### NON-INCENDIVE

Electrical equipment that is incapable of releasing sufficient electrical or thermal energy under normal operating conditions only which cause ignition of a specific hazardous mixture and air.

**Class I, Division 1.** A Class I, Division 1 location is a location: (1) in which hazardous concentrations of flammable gases or vapors exist continuously, intermittently, or periodically under normal operating conditions; or (2) in which hazardous concentrations of such gases or vapors may exist frequently because of repair or maintenance operations or because of leakage; or (3) in which breakdown or faulty operation of equipment or processes that might release hazardous concentrations of flammable gases or vapors, and might also cause simultaneous failure of electric equipment.

**Class I, Division 2.** A Class I, Division 2 location is a location: (1) in which volatile flammable liquids or flammable gases are handled, processed, or used, but in which the hazardous liquids, vapors, or gases will normally be confined within closed containers or closed systems from which they can escape only in case of accidental rupture or breakdown of such containers or systems, or in case of abnormal operation of equipment; or (2) in which hazardous concentration of gases or vapors are normally prevented by positive mechanical ventilation, and which might become hazardous through failure or abnormal operation of the ventilating equipment; or (3) that is adjacent to a Class I, Division 1 location, and to which hazardous concentrations of gases or vapors might occasionally be communicated unless such communication is prevented by adequate positive-pressure ventilation from a source of clear air, and effective safeguards against ventilation failure are provided.

**Class II, Division 1.** A Class II, Division 1 location is a location: (1) in which combustible dust is or may be in suspension in the air continuously, intermittently, or periodically under normal operating conditions, in quantities sufficient to produce explosive or ignitable mixtures; or (2) where mechanical failure or abnormal operation of machinery or equipment might cause such explosive or ignitable mixtures to be produced, and might also provide a source of ignition through simultaneous failure of electric equipment, operation of protection devices or from other causes; or (3) in which combustible dusts of an electrically conductive nature may be present.

**Class II, Division 2.** A Class II, Division 2 location is a location in which combustible dust will not normally be in suspension in the air or will not be likely to be thrown into suspension by the normal operation of equipment or apparatus in quantities sufficient to produce explosive or ignitable mixtures, but: (1) where deposits or accumulations of such combustible dust may be sufficient to interfere with the safe dissipation of heat from electric equipment or apparatus; (2) where such deposits or accumulations of combustible dust on, in, or in the vicinity of electric equipment might be ignited by arcs, sparks, or burning material from such equipment.

**Class III, Divisions 1 & 2.** Class III locations are those which are hazardous because of the presence of ignitable fibers or flyings. Equipment listed for installation in Class III locations is designed to exclude the fibers and flyings from the equipment enclosure and to function without developing excessive surface temperatures.

### Group C Atmospheres Chemical

acetaldehyde	ethylenimine
allyl alcohol	ethyl mercaptan
n-butyraldehyde	ethyl sulfide
carbon monoxide	hydrogen cyanide
crotonaldehyde	hydrogen sulfide
cyclopropane	morpholine
diethyl ether	2-nitropropane
diethylamine	tetrahydrofuran
epichlorohydrin	unsymmetrical dimethyl
ethylene	(UDMH 1, 1-dimethyl hydrazine)

### Group D Atmospheres Chemical

acetic acid (glacial)	methane (natural gas)
acetone	methanol (methyl alcohol)
acrylonitrile	3-methyl-1-butanol (isoamyl alcohol)
ammonia <sup>1</sup>	methyl ethyl ketone
benzene	methyl isobutyl ketone
butane	2-methyl-1-propanol (isobutyl alcohol)
1-butanol (butyl alcohol)	2-methyl-2-propanol (tertiary butyl alcohol)
2-butanol (secondary butyl alcohol)	petroleum naphtha <sup>2</sup>
n-butyl acetate	pyridine
isobutyl acetate	octanes
di-isobutylene	pentanes
ethane	1-pentanol (amyl alcohol)
ethanol (ethyl alcohol)	propane
ethyl acetate	1-propanol (propyl alcohol)
ethyl acrylate (inhibited)	2-propanol (isopropyl alcohol)
ethylene diamine (anhydrous)	propylene
ethylene dichloride	styrene
ethylene glycol monomethyl ether	toluene
gasoline	vinyl acetate
heptanes	vinyl chloride
hexanes	xylene
isoprene	
isopropyl ether	
mesityl oxide	

<sup>1</sup> For classification of areas involving ammonia atmosphere, see Safety Code for Mechanical Refrigeration (ANSI/ASHRAE 15-1978) and Safety Requirements for the storage and handling of Anhydrous Ammonia (ANSI/CGA G2.1-1972).

<sup>2</sup> A saturated hydrocarbon mixture boiling in the range 20-135°C (68-275°F). Also known by the synonyms benzene, ligroin, petroleum ether, or naphtha.

### Group E Atmospheres

Atmospheres containing metal dust, including aluminum, magnesium, and their commercial alloys, and other metals of similarly hazardous characteristics.

### Group F Atmospheres

Atmospheres containing carbon black, charcoal or coke dusts which have more than 8 percent total volatile material (carbon black per ASTM D1620, charcoal, coal and coke dusts per ASTM D271) or atmospheres containing these dusts sensitized by other materials so that they represent an explosion hazard.

### Group G Atmospheres

Atmospheres containing flour, starch, grain, or combustible plastics or chemical dusts.

**Explanation of the classes, divisions and atmospheres above can be found in Article 500 of the National Electrical Code.**

## **CUSTOMER CONTACT INFORMATION**

### **Customer Care**

#### **UNITED STATES**

1-800-368-3277 (telephone)

1-321-409-4393 (fax)

PSPC\_CustomerFocus@Harris.com (U.S. email)

#### **FEDERAL**

1-800-368-3277 (telephone)

1-321-409-4393 (fax)

PSPC\_FedCustFocus@Harris.com (Federal email)

#### **INTERNATIONAL/CANADA**

1-434-455-6403 (telephone)

1-321-409-4394 (fax)

PSPC\_InternationalCustomerFocus@Harris.com (International email)

### **Technical Assistance Center (TAC)**

#### **UNITED STATES/CANADA**

1-800-528-7711 (telephone)

1-434-455-6712 (fax)

PSPC\_TAC@Harris.com (email)

#### **INTERNATIONAL**

1-434-385-2400 (telephone)

1-434-455-6712 (fax)

PSPC\_TAC@Harris.com (email)

### **Technical Training**

#### **UNITED STATES/CANADA**

1-434-455-9469 (telephone)

1-434-455-6788 (fax)

wanda.mcgee@harris.com (email)

#### **INTERNATIONAL**

1-434-455-9469 (telephone)

1-434-455-6788 (fax)

wanda.mcgee@harris.com (email)

### **MAILING ADDRESS:**

Harris Corporation  
Public Safety and Professional Communications  
221 Jefferson Ridge Parkway  
Lynchburg, VA 24501

### **ATTENTION:**

\_\_\_\_\_  
(Appropriate Department)

**Latest Products and Pricing on the Web**  
<https://premier.pspc.harris.com/infocenter/>



**FOR APPLICATION IN THE USA ONLY**  
**CUSTOMER FINANCIAL SERVICES**

<b>NAME</b>	<b>FUNCTION</b>	<b>TELEPHONE</b>	<b>FAX</b>	
Don Hathaway	Senior Director, Finance	434-455-9223	434-455-6772	
Mike Layman	Director, Financial Planning & Analysis	434-455-9685	434-455-6772	
Marlene Streath	Manager, Bids & Proposal Finance	434-455-9286	434-455-6772	

**MAILING ADDRESS:**

Harris Corporation  
Public Safety and Professional Communications  
221 Jefferson Ridge Parkway  
Lynchburg, VA 24501

**ATTENTION:** \_\_\_\_\_  
(Appropriate Department)

## **FOR APPLICATION IN THE USA ONLY**

### **STANDARD PAYMENT TERMS AND FINANCING PLANS**

Any deviation from “standard terms” must have prior approval by the appropriate managers (Vice President/Director) and the business segment financial manager or Business Services Financial Manager before being quoted or obtaining a signed order from the purchaser. All orders are subject to acceptance at Lynchburg, Virginia.

#### **OPEN ACCOUNT TERMS**

1. Products & Services - Net 15 and Net 30 days from invoice date.
2. Systems - Core Products:
  - A - Under \$100K      Net 30 terms
  - B - \$100K or over      90% Net 30  
   10% Acceptance
3. Trunking:
  - 20% Deposit
  - 10% Customer Design Review
  - 65% Net 30
  - 5% Acceptance

#### **LATE CHARGES**

If invoices are not paid when due, Late Charges will be assessed to the account at the legal rate allowed (usually 1.5% monthly) on the unpaid delinquent balance. Late Charges are due in full at the time of settlement.

#### **CASH ON DELIVERY (COD)**

- Order must be signed, and 10% deposit required.
- Shipment must be direct to the customer.
- Carrier will require payment in the form of CASH, CASHIERS or CERTIFIED CHECK.

#### **CASH WITH ORDER (CWO)**

- Check must be for the total order value including tax and any premium freight charges.

#### **REGULAR AND STANDBY LETTER OF CREDIT**

- Letters of Credit are a guarantee of payment on account by the issuing Bank. This is a Credit/Sales tool used to open up new or marginal accounts until a satisfactory pay record has been established.

#### **END USER FINANCING**

Tax exempt financing for qualified end users acquiring Harris equipment and services is available through PNC Equipment Finance. Sales Contact information is available on the Harris website.



**FOR APPLICATION IN THE USA ONLY**  
**ORDER ACCEPTANCE AND DOCUMENTATION**

- All orders are subject to the most current version of Harris Corporation's Standard Terms and Conditions of Sale.
  - ALL orders require Credit review and approval. Do Not release any "consignment" equipment until the order is approved.
  - When placing an order on our Equipment Order Form, the exact legal name of the business must be shown along with the title or position of the person signing. If the customer elects to use his or her company's purchase order form in lieu of signing our order forms, the purchase order must show the following:
    1. PO must be made out to "Harris."
    2. Terms of payment must be indicated.
    3. A "ship to" address must be indicated.
    4. Total amount of the order must be indicated.
    5. Contract or PO is signed by the customer and authorized Harris personnel.
    6. Contract or order represents an irrevocable notice to proceed.
    7. All required frequencies have been licensed.
    8. Description of products being sold is stated.
    9. Estimated date of delivery is defined.
- A copy of the proposal and/or bid specifications, including payment terms and conditions of sale, must accompany our Equipment Order Form on all orders resulting from Bids and Proposals.
  - All orders are subject to acceptance at Lynchburg, Virginia. In the event acceptance of a proposal by the customer would bind the company upon such acceptance by the customer, credit review and approval of the proposal must be obtained in advance.

**FOR APPLICATION OUTSIDE THE USA**

- Any order which does not comply with the international standard terms and conditions (including all orders submitted on customer purchase order forms) is subject to review and written acceptance by Harris Corporation at Lynchburg, Virginia.
- Should payment be by letter-of-credit, then it must:
  1. Be confirmed and irrevocable.
  2. Be placed on a major US bank.
  3. Have all banking charges the responsibility of the applicant.
  4. Stipulate payment on sight.
  5. Have an expiration date sufficient to allow manufacture of equipment.
  6. Be subject to acceptance at Lynchburg, Virginia.

All orders and related documents are legal agreements between the customer and Harris. Any deficiencies in these documents can seriously jeopardize our ability to enforce the contract. Any changes or alterations on the Harris order forms or the customer's purchase order must be initialed by the customer.

**SALES TO LEASING COMPANIES**

Communication equipment may be sold direct to a Leasing Company providing a financing service for an end user subject to the following:

- The order must identify the end user for warranty purposes.
  - Equipment cannot be sold to a Leasing Company owned or controlled by a Dealer.
- A 10% deposit from the Leasing Company is required with the order.
  - The order should be written on our Equipment Order Form and signed by an authorized officer. Purchase orders direct from a Leasing Company in lieu of a signed Equipment Order Form are subject to review and acceptance in regards to terms and conditions, i.e.; payment, delivery, cancellation, warranty, etc.

**CUSTOMER CREDIT APPLICATION**

Harris Corporation  
Public Safety and Professional Communications  
Attn: Customer Financial Services  
221 Jefferson Ridge Parkway  
Lynchburg, VA 24501

CUSTOMER LEGAL NAME: \_\_\_\_\_

COMPLETE STREET ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

FOR THE PURPOSE OF ESTABLISHING CREDIT, WE/I SUBMIT THE FOLLOWING DATA: \_\_\_\_\_

1. ANTICIPATED CREDIT REQUIREMENTS: \$ \_\_\_\_\_

2. BUSINESS STARTED (MO/YR): \_\_\_\_\_ TYPE BUSINESS: \_\_\_\_\_

3. BUSINESS IS A \_\_\_\_\_ CORPORATION \_\_\_\_\_ PARTNERSHIP \_\_\_\_\_ PROPRIETORSHIP \_\_\_\_\_

4. NAMES OF OFFICERS, PARTNERS OR OWNER(S):

NAME \_\_\_\_\_ TITLE \_\_\_\_\_

NAME \_\_\_\_\_ TITLE \_\_\_\_\_

NAME \_\_\_\_\_ TITLE \_\_\_\_\_

5. BANK REFERENCE:

NAME: \_\_\_\_\_ ACCT. # \_\_\_\_\_

STREET: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ CONTACT: \_\_\_\_\_

6. TRADE REFERENCES (NO CREDIT CARD):

NAME: \_\_\_\_\_ ACCT. # \_\_\_\_\_

STREET: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ CONTACT: \_\_\_\_\_

NAME: \_\_\_\_\_ ACCT. # \_\_\_\_\_

STREET: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ CONTACT: \_\_\_\_\_

NAME: \_\_\_\_\_ ACCT. # \_\_\_\_\_

STREET: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ CONTACT: \_\_\_\_\_

PLEASE ATTACH A COPY OF YOUR LATEST BALANCE SHEET AND P&L STATEMENTS WHICH WILL BE HELD IN STRICT  
CONFIDENCE AND USED ONLY FOR CREDIT PURPOSES.

SIGNATURE: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

**FOR APPLICATION IN THE USA ONLY**

**UNIFORM COMMERCIAL CODE (UCC-1)  
FINANCING STATEMENT**

**PURPOSE**

- To be filed/recorded with the Secretary of State and/or local County Clerk to perfect a security interest (lien) on the equipment being financed.

**REQUIRED FOR**

- All financing terms excluding the Equity Lease for Governmental Agencies.

**COMPLETING THE UCC-1 FORM**

- Most states require the UCC-1 form to be typed.
- Use complete legal name and address of the purchaser (same as on the contract).
- Secured Party is: Harris Corporation., Public Safety and Professional Communications, P.O. Box 2000, Lynchburg, VA 24501. (Will be signed in Lynchburg, Virginia.)

- List quantity and description of major items of equipment.
- Purchaser must sign (same as on the contract).

**WHICH FORMS TO USE AND HOW MANY**

- The next page contains a list by state showing the UCC-1 requirements. The requirements for filing are determined by each state and subject to change, therefore additional documentation could be required to perfect our security interest.

**FOR APPLICATION IN THE USA ONLY**  
**UNIFORM COMMERCIAL CODE (UCC-1)**

<b>State</b>	<b>Form Required</b>	<b>Copies Required</b>
Alabama	Standard	1
Alaska	Alaska	1
Arizona	Arizona Only	1
Arkansas	Standard	2
California	California Only	1
Colorado	Standard	1
Connecticut	Standard	1
Delaware	Standard	1
District of Columbia	Standard	1
Florida	Florida Only	1
Georgia	Standard	1
Hawaii	Hawaii Only	1
Idaho	Standard	1
Illinois	Illinois Only	1
Indiana	Standard	1
Iowa	Standard	1
Kansas	Standard	1
Kentucky	Standard	1
Louisiana	Chattel Mortgage Only	NA
Maine	Standard	1
Maryland	Maryland Only	2
Massachusetts	Standard	2
Michigan	Michigan	1
Minnesota	Minnesota Only	1
Mississippi	Mississippi	2
Missouri	Standard	2
Montana	Standard	1
Nebraska	Standard	1
Nevada	Nevada Only	2
New Hampshire	Standard	2
New Jersey	New Jersey	1
New Mexico	Standard	1
New York	New York	2
North Carolina	Standard	2
North Dakota	Standard	1
Ohio	Standard	2
Oklahoma	Standard	1
Oregon	Oregon	1
Pennsylvania	Pennsylvania Only	2
Rhode Island	Standard	1
South Carolina	Standard	1
South Dakota	Standard	1
Tennessee	Standard	1
Texas	Texas Only	1
Utah	Utah	1
Vermont	Standard	2
Virginia	Virginia Only	2
Washington	Washington Only	1
West Virginia	Standard	2
Wisconsin	Standard	1
Wyoming	Standard	1

## **BROADBAND MANAGED SERVICES**

Product Code: SB

Harris Broadband Managed Services provide users nationwide broadband access via the LTE network of a market-leading carrier with flexible prepaid data and device management for Harris LTE-ready radios. Broadband Services from Harris are designed to meet the unique needs of Public Safety and are ideal for departments with fleets of devices using broadband. For system administrators, Harris broadband services:

- Improve deployment and convenience with a single vendor for equipment and broadband support – SIM cards are already installed, eliminating the hassle of dealing with another vendor for SIM cards and separate data contracts
- Reduce costs through affordable plans and simplified fleet management via a secure, cloud-based Management Portal providing powerful policy management tools

### **Broadband Managed Services Components**

#### **Device Activation**

A Harris Customer Support Representative activates the devices on the carrier's broadband network, so there is no need for multiple vendors or phone calls to get started. XL-185Ps and XL-200Ps equipped with LTE will have the SIM cards already installed and ready for activation, eliminating the hassle of dealing with another vendor.

#### **Active Line of Service – Subscription Points**

Devices using broadband data will each require a monthly line of service Subscription Point. A Subscription Point also includes access to the Management Portal. The number of Subscription Points purchased is based on the number of active devices multiplied by the number of months for which the purchase is being made. Once purchased, Subscription Points are available until used.

#### **Prepaid Pool of Shared Data**

Data is purchased on a per Gigabyte (GB) basis, and volume of data purchased is based on anticipated needs. Once purchased, the data is available until used—there are no overage charges or underutilization and no expiration. The data is pooled across all active devices in the department or group.

#### **Management Portal**

A robust Management Portal is included with Harris Broadband Managed Services. With this intuitive cloud-based portal, the System Administrator's job of managing multiple devices becomes easier and more effective. The portal provides a host of features that improve department or agency productivity while reducing costs.

Management portal features include:

- Management of pooled data usage across multiple customer-defined hierarchical levels (reflecting, for example, different regions, agencies, departments, sub-departments, business units, etc.)
  - Pool data over the entire account or subgroups
  - View account dashboard on visited websites and used applications
  - Create individual reports on web activity
- Dynamic web filtering
  - Screen by website category and URL
  - Filter by whitelist/blacklist based on keyword
  - Block inappropriate sites
- Time-of-day policy
  - Allow or block usage during certain hours, days, or weeks
- Data usage monitoring
  - Use the account dashboard to create reports on data usage
  - Roll over unused data
  - Buy data when needed
  - No monthly plans that expire

## BROADBAND MANAGED SERVICES

Product Code: SB

### Broadband Managed Services Components (Cont'd)

#### Management Portal (Cont'd)

- Data consumption controls
  - Set daily and monthly data limits per line
  - Control video and high-data applications
  - Block high-data sites
- Excessive data usage alerts
- Reporting and analytics
  - Complete oversight of all devices
  - View reports and analytics

### Broadband Managed Services Benefits

Harris provides a single point of contact for flexible and competitive broadband services, making it easier to deploy and manage LTE-enabled XL radios.

- **Ready-to-go convenience.** By having the SIM cards pre-installed in the radios, the System Administrator's job is simplified – just a single phone call is required for activation
- **Nationwide coverage.** Harris Broadband Managed Services utilize a top carrier's reliable nationwide broadband network to provide the comprehensive coverage users expect
- **Single source for equipment and support.** Eliminate the hassle of dealing with third-parties for SIM cards, separate data contracts, and ongoing support
- **Visibility into data consumption.** The powerful Management Portal provides administrators with insightful reporting on data usage and policy management tools to improve productivity and reduce data costs

Options for Broadband Managed Services are included on the catalog pages for the XL radio family.

### Broadband Managed Services Agreement

Harris and the end customer will need to have an executed agreement in place before purchase of these services. This agreement can be found here:

<https://premier.pspc.harris.com/infocenter/broadband/Broadband%20managed%20service%20agreement%2020190204.pdf>

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

## TERMINAL MANAGED SERVICES

The body-worn and mobile radio devices used by First Responder, Utility, and Transportation personnel provide the critical communications resources that are vital in maintaining user and community safety. Organizations need to maximize the lifespan and operational efficiency of these devices through a comprehensive maintenance plan. Harris offers three service tiers for XL Portable and Mobile radios to help customers keep their complex critical communications devices operating at peak performance. Harris also creates custom plans that are tailored to meet an organization's unique requirements. Customers select the plan that works best for their organization, budget, and resource strategy.

PSPC Terminal Managed Services At-a-Glance			
	TERMINALS ASSIST	TERMINALS PARTNER	TERMINALS MANAGED
Preferred Technical Support (8x5)	✓		
Standard Repair Services	✓	✓	
Software Managed Services	✓	✓	✓
Premium Technical Support (24x7)		✓	✓
Annual Preventive Maintenance and Tune Up		✓	✓
HTU, Virtual and Classroom Training		Available Option	
Expedited Repair Services			✓
SMS Installation			✓
On Site Training			✓
Fleet Database Updates for new terminals (UAS)			✓
On-site radio programming (RPM2)			✓
On Demand Services	Available Option	Available Option	Available Option

### Terminals ASSIST

The Harris Terminals ASSIST level of support for XL radio devices provides the same features which customers receive under the radio's warranty period, ensuring that user gear operates at its peak performance level:

- Preferred Technical Support
- Standard Repair Services
- Software Managed Services (SMS)

### Preferred Technical Support

Continuous operation of a system providing critical communications leads customers to recognize the importance of having assistance of technical experts to assist with resolving device issues. When radio questions arise, the personnel responsible for maintaining communications are reassured when they have technical expertise available to assist. Preferred Technical Support provides this assurance on an 8x5 workday basis with toll-free phone access to Harris' Technical Assistance Center (TAC). Support is on a first-in, first-out basis with a commitment to contact the customers via return phone, email, or fax no later than the next business day. Preferred TAC Support is available via telephone from 8 AM to 5 PM Monday through Friday, excluding holidays. All North American time zones are covered by Preferred TAC Support. Communications received after hours will receive attention the next business day.

TAC is available to support customers with answers to technical and user support questions about operations, programming, software, maintenance, and troubleshooting issues. Users also have self-service access to the Harris Tech-Link website which offers a variety of technical information, technical bulletins, and manuals with search engine support. Calls to TAC are

## TERMINAL MANAGED SERVICES

logged and assigned a tracking number for more efficient handling of each specific situation and are added to our knowledge base to quickly resolve any future issues efficiently.

TAC services provide key benefits such as

- Toll-free telephone access to TAC for year-round support
- Technical assistance on Harris terminal equipment
- One-hour guaranteed callback window for emergency off-air calls
- All-Access subscription to the online Harris Tech-Link website, a complete library of technical resources and product information
- TAC coordination with on-site service personnel when necessary

### Standard Repair Services

Harris provides repair services for XL portable and mobile radios. Harris will perform operational checks to determine the nature of the problem and repairs required. After repairs are completed, functionality tests are run to validate the updates. This cost-effective program is tailored for the Terminals ASSIST program and returns the repaired radio within approximately ten working days from receipt at the Harris repair facility. Flat-rate repairs allow customers to budget their repair costs. Pricing applies to units that are defective through normal wear and usage.

### Factory Repair and Return Ordering Instructions

Contact Harris' Customer Care Center to request a Return Material Authorization (RMA) number for items being returned to Harris Corporation for repair:

<b>Telephone:</b>	U.S.	1-800-368-3277
	International and Canada	1-434-455-6403
<b>Fax:</b>	U.S.	1-321-409-4393
	International and Canada	1-321-409-4394
<b>Email:</b>	U.S. Customers Only	PSPC_CustomerFocus@Harris.com
	International Customers Only	PSPC_InternationalCustomerFocus@Harris.com

Domestic customers may request a repair RMA by completing the form located at the link below.

<https://www.harris.com/solution/pspc-customer-service>

**All returns must be authorized by Customer Care for issuance of a Return Material Authorization prior to sending any material for repair.**

### Software Managed Services

Software Managed Services (SMS) for terminals provides issue resolution releases for XL radios when a customer calls the Technical Assistance Center with an issue. TAC will validate the issue and if an XL radio software release is available which resolves the problem, this will be provided as part of the SMS program. These releases may also contain improvements and enhancements for current generation radio software as well as occasional new product capability and the ability to enable licensed features. Keeping terminal and system infrastructure software up to date is vital to maintaining the value of the initial purchases so future capabilities such as Mission Critical PTT (MCPTT) can be deployed to the system's users. Under Harris Service Assist SMS, customers will receive:

- Software releases for radio terminals to resolve issues
- Software release notes and features summary with each release
- Terminal configuration audit performed with initial subscription

**Latest Products and Pricing on the Web**  
<https://premier.pspc.harris.com/infocenter/>





## TERMINAL MANAGED SERVICES

- Current releases as supported by the Customer radio hardware at enrollment
- Software installation support from the PTS service
- Software replacement services if media becomes corrupt or damaged
- Enhancements for existing features may be included in the issue resolution release.
- New features built upon earlier generations of software capability to enable new licensed features may be included in the issue resolution release.

E/C	Model No.	List Price \$	Description	
<b>XL-200P Portables</b>				
N .....	XL-Y1EWP .....	100.00 .....	SERVICE ASSIST, EXT WARRANTY 1YR, XL200P	
N .....	XL-Y2EWP .....	150.00 .....	SERVICE ASSIST, EXT WARRANTY 2YR, XL200P	
N .....	XL-Y3EWP .....	200.00 .....	SERVICE ASSIST, EXT WARRANTY 3YR, XL200P	
<b>XL-185P Portables</b>				
N .....	XS-Y1EWP .....	100.00 .....	SERVICE ASSIST, EXT WARRANTY 1YR, XL185P	
N .....	XS-Y2EWP .....	150.00 .....	SERVICE ASSIST, EXT WARRANTY 2YR, XL185P	
N .....	XS-Y3EWP .....	200.00 .....	SERVICE ASSIST, EXT WARRANTY 3YR, XL185P	
<b>XL-185M Mobiles</b>				
N .....	XT-Y1EWP .....	100.00 .....	SERVICE ASSIST, EXT WARRANTY 1YR, XL185M	
N .....	XT-Y2EWP .....	150.00 .....	SERVICE ASSIST, EXT WARRANTY 2YR, XL185M	
N .....	XT-Y3EWP .....	200.00 .....	SERVICE ASSIST, EXT WARRANTY 3YR, XL185M	

### Terminal ASSIST Optional Services

The Terminal ASSIST package can also be tailored by adding the service below.

### On-Demand Services

Harris and our customers collaborate to decide the appropriate level of service for each system's specific needs. However, a situation may arise where a needed service is not part of the original scope of work. Harris' experienced personnel will quickly respond to the need and provide customers with a quote for services on a time-and-material basis.

As an example, On-Demand Services may include

- Installation or removal of mobile radio equipment after the initial installation
- Repair of radio equipment damaged by vandalism, abuse, or physical neglect
- Rapid reprogramming or deployment of additional radios due to an unplanned event such as a hurricane

## TERMINAL MANAGED SERVICES

### Terminals PARTNER

The Terminals PARTNER program includes the Standard Repair Service discussed above in the Terminals ASSIST package, as well as Annual Preventive Radio Maintenance and Tune-Up and Premium Technical Support in place of the standard level of support, and a choice of either standard open-enrollment training conducted at the Harris Technical Training Center or instructor-led Virtual Classroom training. Additionally, XL radio code updates are provided as part of the Terminal Partner program (for features which have been licensed by the customer).

#### Premium Technical Support

Premium Technical Support (PTS) provides comprehensive support 24 hours per day, 7 days per week, 365 days per year with toll-free phone access to Harris' Technical Assistance Center (TAC). PTS subscriber calls are recognized as a priority and Support Engineers endeavor to provide a response within two hours if a technician is not readily available to answer the call.

#### Annual Preventive Maintenance and Tune-Up

As an option to the Harris Terminal ASSIST program, customers may choose to have Harris technicians perform preventive maintenance on terminals on an annual basis. Preventive maintenance includes scheduled tests, inspections, and alignment on a customer's radio equipment to ensure that the terminals meet Harris specifications and are compliant with FCC regulations.

As part of this service, Harris will

- Use calibrated test equipment for a consistent baseline
- Tune and align terminals to optimize performance, including testing of the reference oscillator, transmit power and receive sensitivity, and squelch
- Inspect overall radio hardware elements such as knobs, buttons, switches, gaskets, display, and accessory connections, and draft a report on recommended replacements. If radios are under Harris warranty, covered equipment will be replaced at no charge.
- Review the work schedule with the customer in advance of the maintenance window
- Perform preventive maintenance during hours agreed upon by the customer and Harris
- Summarize completed work in a written report

#### Terminals PARTNER Optional Services

The Terminal PARTNER package can also be tailored by adding the training services below.

##### Harris Terminal Training

Training is important to maintain and enhance the knowledge and skills of personnel who have the responsibility to operate, program, and/or maintain terminal products. Harris provides technical training so that customer personnel can meet their responsibilities. As part of the Harris Terminals PARTNER program, the customer can select either standard open-enrollment training conducted at the Harris Technical Training Center or instructor-led virtual classroom training or as described below.

##### Standard Open-Enrollment Training

Harris will provide tuition for two (2) seats in standard open-enrollment training courses regularly scheduled for delivery at the Technical Training Center in Lynchburg, Virginia. The two seats can be used by the same individual or shared between two individuals for the following courses:

- RF Test & Troubleshooting
- XL-200P Radio Programming & Operation
- XL-200P Radio Maintenance
- OMAP Portable Radio Maintenance
- OMAP Mobile Radio Maintenance
- Any future developed radio maintenance course (e.g., XL-200M)

The customer is responsible for student travel and living expenses.

## **TERMINAL MANAGED SERVICES**

### **Virtual Classroom Training**

The virtual classroom environment is ideal for transferring knowledge when hands-on instruction is not required and provides a cost-effective option by eliminating travel and living expenses for the instructor or students. Features include the following:

- The instructor can share assorted media such as PowerPoint presentations and videos, as well as radio system applications such as Radio Personality Manager 2 (RPM2)
- The instructor and students interact using notes, Q&A, chat, polling, and a virtual whiteboard
- The instructor and students can share their screens
- Audio is provided through VoIP and/or telephone

Harris will conduct two (2) four-hour customized virtual classroom training sessions delivered over two (2) consecutive days. The subject matter, training dates, and times will be mutually agreed upon between the customer and the Harris Training Manager. The maximum class size is twelve (12) participants.

### **Terminals MANAGED**

The Terminals MANAGED level of support includes the standard items discussed above in the Terminals ASSIST and Terminals PARTNER packages as well as Expedited Repair Services, Software Managed Service (SMS) Installation, On-Site Training (with Traditional Classroom and Virtual Classroom training available as options for an additional fee), Fleet Database Updates for New Terminals, and On-Site Radio Programming (RPM2).

### **Expedited Repair Services**

Harris provides repair services for all Harris-branded portable and mobile radios. Harris will perform operational checks to determine the nature of the problem and repairs required. After repairs are completed, functionality tests are run to validate the updates. This cost-effective flat-rate repair program is tailored for the Terminals MANAGED program and returns the repaired radio within approximately five working days from receipt at the Harris repair facility. Flat-rate repairs allow customers to budget their repair costs. Pricing applies to units that are defective through normal wear and usage.

### **Software Managed Services (SMS) Installation**

Harris technicians will manage the installation of new terminal software provided under the Software Managed Service program. As part of this service, Harris will

- Ensure that radios continue to function at peak performance by installing the Software Managed Service updates
- Provide an installation schedule and approximate completion times
- Provide a Summary Report of actions

### **On-Site Training**

As part of the Harris Terminals MANAGED program, Harris will provide the customer with three (3) days of customized on-site training. The scope of the training will be mutually agreed upon between the customer and the Harris Training Manager and will be limited to terminal product operation, programming, and/or maintenance topics.

The training will be conducted at a facility provided by the customer, who is also responsible for providing the tools and equipment to support the hands-on portion of the training. The training will be conducted on mutually agreed upon dates and times for up to ten (10) participants.

Additional training options are available from Harris and can be added to any contract as desired for an extra cost. Training courses can be delivered in several formats:

- Virtual classroom training is ideal for transferring knowledge when hands-on instruction is not required and provides customers with a cost savings by eliminating travel and living expenses for the instructor or students
- Traditional classroom training is used to conduct system planning workshops, train on radio operation and maintenance, and perform hands-on instruction. This training occurs at the Harris Technical Training Center in Lynchburg, Virginia or on-site at a customer facility.

## TERMINAL MANAGED SERVICES

### Fleet Database Updates for New Terminals

When a new agency joins a system with a large number of radios and talkgroups, Harris engineers can assist to update the administration system to rapidly bring the users on-line. Once the customer has defined the fleet structure and Unit IDs, Harris can remotely access the Administration application to complete the addition of the records. This includes entering the customer-defined information for

- New Agencies and their policies, if applicable
- Talkgroup Profiles and Personalities
- Talkgroup Property and Priority Classes
- Coverage for both Units and Groups
- Unit and Group Records
- Entering Defined Unit Privileges

This is provided as an annual service by Harris but can be negotiated to be performed more frequently as desired by the customer.

### On-Site Radio Programming

When a new system is being deployed or a large number of additional radios must be programmed for use on an existing system, Harris technicians will travel to the customer's location to program the radios and rapidly bring the users on-line. If there are situations where a small number of radios must be programmed, Harris will work with each customer to define a process for Harris to provide this service. This may include the customer bringing the radios to an agreed upon service location for programming or shipping the radios to a Harris facility to complete the process. Harris will provide a business-hours schedule for the programming service and a summary report when the process has been completed.

## NON-XL RADIO SERVICES

For non-XL terminals, Harris offers software updates for issue resolutions through the Priority Tech-Link service. Priority Tech-Link provides access to Harris technical manuals and purchasing a subscription will give a customer access to non-XL terminal software updates once the customer contacts TAC with a validated issue.

E/C	Model No.	List Price \$	Description
N .....	MAYR-NGE2A .....	3,000.00 .....	SERVICE, PRIORITY TECH-LINK

### Terminals Services Ordering Information

Call the Harris Technical Assistance Center to begin the quoting process for one of the Terminal Managed Service tiers for XL terminals or to order Priority Tech-Link for non-XL terminals.

1-800-528-7711 in the U.S. and Canada  
 1-434-385-2400 Worldwide.

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

## INFRASTRUCTURE MANAGED SERVICES

Harris offers tiered Infrastructure Managed Services to help customers keep their complex critical communications systems operating at peak performance. With three levels of assistance and multiple high-value offerings, Harris makes it easier for users to focus on other tasks while leaving system planning and maintenance to Harris. Harris also creates custom plans that are tailored to meet an organization's unique requirements. Customers select the tier that works best for their organization, budget, and resource strategy.

Managed Services At-a-Glance	SERVICE ASSIST	SERVICE PARTNER	SERVICE MANAGED
Premium Technical Support (PTS)	✓	✓	✓
Security Update Management Services (SUMS+)	✓	✓	✓
Software Managed Services (SMS)		✓	✓
SMS Installation		✓	✓
Standard Repair Services	Available Option	Available Option	✓
Annual Preventive Maintenance		Available Option	✓
SUMS+ Installation		Available Option	✓
Planned Network Upgrades		Available Option	✓
On-Site Corrective Maintenance		Available Option	✓
Obsolescence Protection			✓
Rapid Response SLA			✓
Network Operations Center (NOC) Monitoring*			✓
Enhanced Annual Preventative Maintenance			✓
Cybersecurity Assessments			✓
System Administration			✓
VIDA® Secure Sentry		Available Option	✓
VIDA Secure Sentry Installation		Available Option	✓
On Demand Services	Available Option	Available Option	Available Option

\*Enhanced and custom services available

## Service ASSIST

For organizations staffed to manage and maintain their own equipment, ASSIST provides two key services plus available options to reduce the burden to try to “do it all” as well as boost confidence in the condition of the equipment. Service ASSIST provides the following services:

- Premium Technical Support (PTS)
- Security Update Management Services (SUMS+)

### Premium Technical Support

Continuous operation of a system providing critical communications leads customers to recognize the importance of having 24-hour-a-day, seven-day-per-week assistance. When the system malfunctions at 2 a.m., the personnel responsible for restoring operation are reassured when they have technical expertise available to assist. Premium Technical Support (PTS) provides this assurance. PTS services from Harris offer comprehensive support 24 hours per day, 7 days per week, 365 days per year with toll-free phone access to Harris’ Technical Assistance Center (TAC). PTS subscriber calls are recognized as a priority and Support Engineers endeavor to provide a response within two hours if a technician is not readily available to answer the call. For emergency system off-air calls, a one-hour response time is guaranteed.

PTS is always available to assist customers with answers to technical and user support questions about operations, programming, software, maintenance, and troubleshooting issues. Users also have self-service access to the Harris Tech-Link website which offers a variety of technical information, technical bulletins, and manuals with search engine support. Calls to TAC are logged and assigned a tracking number for more efficient handling of each specific situation and are added to our knowledge base to quickly resolve any future issues efficiently.

PTS services provides key benefits such as

- Toll-free telephone access to TAC for year-round support
- Level 1 and Level 2 Helpdesk support 24 hours per day, 7 days per week, 365 days per year
- Level 3 and Level 4 technical support on Harris products 24 hours per day, 7 days per week, 365 days per year
- Harris management of third-party Level 4 technical support and account maintenance
- Priority technical assistance on systems *and* radio equipment
- One-hour guaranteed callback window for emergency off-air calls
- All-Access subscription to the online Harris Tech-Link website, a complete library of technical resources and product information
- TAC coordination with on-site service personnel when necessary

### Security Update Management Service+ (SUMS+)

With software and the threats against that software constantly evolving, organizations need an effective way to assess, deploy, and manage a constant flow of patches for the operating systems used in the Harris system. The Harris Security Update Management Services+ (SUMS+) offering addresses this need. SUMS+ provides periodic security updates to participating customers plus a dedicated delivery server platform that includes

- Automatic management of patches for multiple operating systems across thousands of endpoints on the system network
- Reduction of security and compliance risks by slashing installation times from weeks to days or hours
- Greater visibility into patch compliance with flexible, real-time status monitoring, and reporting
- Up-to-date visibility and control from a single management console

Each security update delivery includes Software Release Notes. These technical documents detail

- Installation instructions
- Software and hardware compatibility information, where applicable
- Product Vulnerability Alert (PVA) resolution or mitigation information

SUMS+ releases are thoroughly tested with Harris System Releases to ensure that third-party software patches are compatible with Core applications.

## INFRASTRUCTURE MANAGED SERVICES

### Service ASSIST Optional Services

The Service ASSIST package can also be tailored by adding the optional service below.

### Standard Repair Services

Harris provides repair services for Harris-branded system components such as infrastructure, dispatch, and site equipment. This cost-effective repair program is standard in the Service ASSIST program, allowing customers to budget their repair costs. Pricing applies to equipment that is defective through normal wear and usage. After the warranty expires, if covered Harris equipment fails through normal usage and wear, this service will repair the equipment at no additional cost. Labor to remove the defective equipment from the system, replace it with a spare, or re-install it after the equipment is returned from Harris is excluded.

### Factory Repair and Return Ordering Instructions

Contact Harris' Customer Care Center to request a Return Material Authorization (RMA) number for items being returned to Harris Corporation for repair:

<b>Telephone:</b>	U.S.	1-800-368-3277
	International and Canada	1-434-455-6403
<b>Fax:</b>	U.S.	1-321-409-4393
	International and Canada	1-321-409-4394
<b>Email:</b>	U.S. Customers Only	PSPC_CustomerFocus@Harris.com
	International Customers Only	PSPC_InternationalCustomerFocus@Harris.com

Domestic customers may request a repair RMA by completing the form located at the link below.

<https://www.harris.com/solution/pspc-customer-service>

**All returns must be authorized by Customer Care for issuance of a Return Material Authorization prior to sending any material for repair.**

### On-Demand Services

Harris and our customers collaborate to decide the appropriate level of service for each system's specific needs. However, a situation may arise where a needed service is not part of the original scope of work. Harris' experienced personnel will quickly assess the need and provide customers with a quote for services.

## INFRASTRUCTURE MANAGED SERVICES

### Service PARTNER

Much more than emergency assistance, the Service PARTNER level of support means Harris works side-by-side with customers to ensure that their communications equipment is kept current and ready to perform. The PARTNER tier includes the standard items discussed above for Service ASSIST, as well as the Software Managed Services (SMS) and SMS Installation features.

### Software Managed Services

Software Managed Services (SMS) provides new releases of system software tailored to each customer's system. These releases contain improvements and enhancements for current generation system software as well as occasional new product capability and the ability to enable licensed features. Keeping the infrastructure software up to date is vital to maintaining the value of the initial purchases so future capabilities such as Mission Critical PTT (MCPTT) can be deployed to the system's users. Under SMS, customers will receive

- Periodic software releases for system and programming software components
- Software release notes and features summary with each release
- System configuration audit with the initial subscription
- Current release as supported by the customer hardware at enrollment
- Software installation support from the PTS service
- Software replacement services if media become corrupt or damaged
- Enhancements for existing features
- New features built upon earlier generations of software capability to enable new licensed features

### Software Managed Services (SMS) Installation

Harris technicians will manage the installation of SMS updates for improved performance on a bi-annual basis. As part of this service, Harris will

- Ensure that equipment continues to function at peak performance by installing the Software Managed Services updates
- Provide an installation schedule and approximate equipment outage times (if any)
- Provide a Summary Report of actions



## INFRASTRUCTURE MANAGED SERVICES

### Service PARTNER Optional Services

The Service PARTNER package can be tailored by adding the optional services below.

#### Standard Repair Services

This optional service is described under the Service ASSIST section above.

#### Annual Preventive System Maintenance

Preventive maintenance includes scheduled tests, checks, and alignment of the customer's equipment to ensure that the equipment meets specifications.

As part of this service, Harris will

- Use calibrated test equipment for a consistent baseline
- Tune and align System RF base stations to optimize performance
- Verify that System Core software revision levels are installed and operating properly
- Verify that System anti-virus software is installed and operating properly
- Share the Preventive Work Hours Schedule in advance of the maintenance window and indicate the approximate outage times (if applicable)
- Summarize completed work in a written report

#### SUMS+ Installation

As an option, Service PARTNER can provide trained Harris personnel to be brought on-site to expertly install and validate the proper completion of third-party software patches. As part of this service, Harris will

- Ensure that customer equipment continues to function at peak performance by installing the SUMS+ updates
- Provide an installation schedule and approximate equipment outage times (if any)
- Provide a Summary Report of actions upon request

#### Planned Network Upgrades

Planned Network Upgrades provide new system hardware to maintain compatibility with Harris System Release software under the Software Managed Services (SMS) program. Planned Network Upgrades include Core servers as well as the routers, switches, and IT components at both the Core and RF sites.

The Harris Planned Network Upgrade program provides a service that extends the useful life of the customer's communications infrastructure to maximize the value of that investment. The program is tailored to their system and to the exact network hardware they started their program with to create an economical way to move forward. The program creates an update strategy for key infrastructure platforms and manages the operational lifecycle of the system components to ensure that the system is operating on current network hardware and software. This program will refresh network hardware that coincides with the service life of the platforms in the customer's system and supported by the current System Release. This approach maximizes support levels going forward and minimizes the number of network hardware updates during the system lifecycle. Planned Network Upgrades allow customers to add applications such as Location Services, Incident Command Services, and converged LMR/LTE communications.

#### On-Site Corrective Maintenance

On-Site Corrective Maintenance provides labor to troubleshoot, repair and if necessary, remove and replace defective infrastructure equipment as agreed upon between the customer and Harris. Harris personnel will remotely troubleshoot the reported issue and dispatch a technician to the customer's location to perform the corrective maintenance. If required, the technician will replace the defective equipment using spares purchased separately by the customer, and arrange for the original item to be sent to a certified Harris repair facility. The corrective maintenance will be documented in a report and the customer will be informed of the status of all repairs in progress. On-Site Corrective Maintenance is performed 8 hours per day, 5 days per week Monday through Friday, but can be extended to 24 hours per day, 7 days per week, 365 days per year if a Rapid Response Service Level Agreement is purchased. On-Site Corrective Maintenance is a standard service in the Managed Tier of the Harris Infrastructure Managed Services plans.

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## INFRASTRUCTURE MANAGED SERVICES

### VIDA Secure Sentry

As an option to the Service MANAGED tier, VIDA Secure Sentry provides policy and third-party vendor-supplied security patches to further enhance the security of the VIDA system. As cybersecurity attacks such as viruses, malware, ransomware and denial of service increase annually and impact all levels of government and businesses, maintaining the customer's VIDA System's security posture is essential to the availability of the critical communications system.

VIDA Secure Sentry releases occur quarterly and are based on the applicable, publicly available U.S. Government's National Institute of Standards and Technology's (NIST) guidelines for Assessments, Framework, Controls, Policy, and Procedures. STIGs are a collection of recommended settings and controls. Harris applies the STIG guidance and tests updates on the VIDA system to ensure compatibility with its applications prior to making the VIDA Secure Sentry release. Governing bodies for Public Safety, Utilities, and the Federal Government have all adopted the NIST framework to maintain a high level of security for their communication systems.

VIDA Secure Sentry installation by Harris security technicians is also optionally available in the Service PARTNER tier and is standard in the Service MANAGED tier.

## INFRASTRUCTURE MANAGED SERVICES

### Service MANAGED

The complexity of critical communications systems continues to increase beyond providing voice and data capabilities. The need for continuous system monitoring to defend against cybersecurity threats, configuring interoperability with neighboring agencies, and the integration with LTE technologies require expert skills to maintain the system's optimal performance. The Service MANAGED tier is for organizations that want to transfer the day-to-day operations and maintenance of their communications technology to our experienced team to ensure peak performance. The MANAGED level of support includes all the services discussed above as well as the offerings below.

#### Obsolescence Protection

In addition to the Core hardware covered by the Planned Network Upgrades option, the Harris Service MANAGED program provides additional system hardware to keep customers' system on the latest third-party technology available from commercial-off-the-shelf providers and Harris. Additional hardware covered by the Obsolescence Protection package includes Symphony™ and third-party console computers, Interoperability Gateway devices, EDACS® Migration Gateway server, and Harris-supplied Storage Array Networks.

#### Rapid Response Service Level Agreement (SLA)

Harris will provide enhanced on-site response 24 hours per day, 7 days per week, 365 days per year when system issues are detected. Specific terms can be customized to fit user requirements. This can include 30-minute problem action initiation (phone or remote) based on the SLA agreement. This level of rapid response will maximize the system's availability and maintain the level of communications that users demand.

This continuous service covers the cost to have local technicians available to respond to Level 1 and Level 2 issues within 30 minutes.

This service includes

- Notification that a problem resolution action has been initiated (telephone or remote diagnostics) within 30 minutes
- A call number available 24 hours per day, 7 days per week, 365 days per year and a timed escalation plan
- Coordination and dispatch of on-site technicians, if necessary
- Equipping local technicians with all-weather vehicles, storm gear, storm training, and calibrated test equipment
- Tracking every incident and updating the customer of actions needed
- Technician coverage 365 days per year, arranging for additional coverage by local technicians when the primary technician is unavailable

#### Network Operations Center (NOC) Monitoring

NOC Monitoring is real-time, 24 hours per day, 7 days per week, 365 days per year, careful observation of the radio system by experienced Harris personnel. The NOC ensures quick identification of existing or potential network issues and action to correct the matter, resulting in reduced system downtime and minimal impact to system users. As part of this service, Harris will

- Monitor the system at all times using secure connections into the network
- Provide immediate recognition of noteworthy events
- Initiate a service ticket upon detection of a system alarm condition
- Notify the appropriate personnel
- Support Harris engineering staff, Harris field technicians, vendors, and authorized customer representatives
- Escalate circumstances to Harris management when required
- Document alarm activity, date and time of alarm, actions taken, and results of those actions using Advanced Management Maintenance System incident logging which provides
  - Accurately documented data pertaining to the current issue
  - Comparison of current incident against past occurrences to assist with troubleshooting
  - Real-time email notifications to appropriate personnel customized to specific equipment
  - Real-time web access to view work order status
- Provide a monthly summary via email documenting response activity

## INFRASTRUCTURE MANAGED SERVICES

### Enhanced NOC Services

Harris will partner with each customer to determine additional NOC Services desired to maintain system security and integrity. Examples of enhanced NOC services available from Harris are as follows:

- Report facility and environmental alarms via Network Sentry and RNM
- Monitor transport backbone alarms integrated in RNM
- Monitor backhaul: Microwave/Fiber/MPLS Routers
- Verify security clearances
- Maintain listing of cleared vendor personnel
- Ensure that personnel without proper clearances are not allowed on site without an escort
- Document site access
- Monitor shelter security alarm
- Check door and gate alarms
- Monitor motion detectors
- Check video cameras and card key access

### Enhanced Annual Preventive System Maintenance

In addition to the Annual Preventive Maintenance described in the Service ASSIST section, the Harris Service MANAGED program provides for additional maintenance tasks to ensure that the system operates to meet the customer's critical communications requirements.

Harris partners with each customer to tailor the maintenance tasks best suited for their system. Examples of the services which can be provided are below.

- Validate System Redundancy by switching cores while in operation
- Perform Simulcast Distributed Control Point failover testing
- Tune and align analog and paging system base stations
- Archive Activity Warehouse data to customer-provided off-line storage
- Archive Logging Recorder call records to customer-provided off-line storage
- Perform Symphony Console hardware inspection and disk clean-up

### Cybersecurity Assessments

As part of the Service MANAGED program, Harris cybersecurity engineers will perform an annual evaluation of the customer's system to minimize risk and help maintain the integrity, confidentiality and availability of the network. The evaluation includes an assessment of system vulnerabilities, compliance with the latest industry security best-practices, and an analysis of system logs and alerts. A comprehensive evaluation report that can be used to guide system security enhancements will be delivered, providing customers peace of mind regarding the system's cybersecurity posture.

### System Administration

Harris will configure the VIDA System database for RF Sites, Consoles, and Gateways as well as administer the Talkgroup and Unit IDs at the time of initial system deployment. We will modify database entries at the customer's direction as well as add Units or other resources as the system expands. L3 Harris will also perform statewide ID coordination with other P25 communications systems that have interoperability with the customer's system and manage any required documentation of the ID plan.

### Infrastructure Managed Services Ordering Information

Call the Harris Technical Assistance Center to begin the quoting process for one of the Infrastructure Managed Service level plans.

1-800-528-7711 in the U.S. and Canada  
1-434-385-2400 Worldwide.

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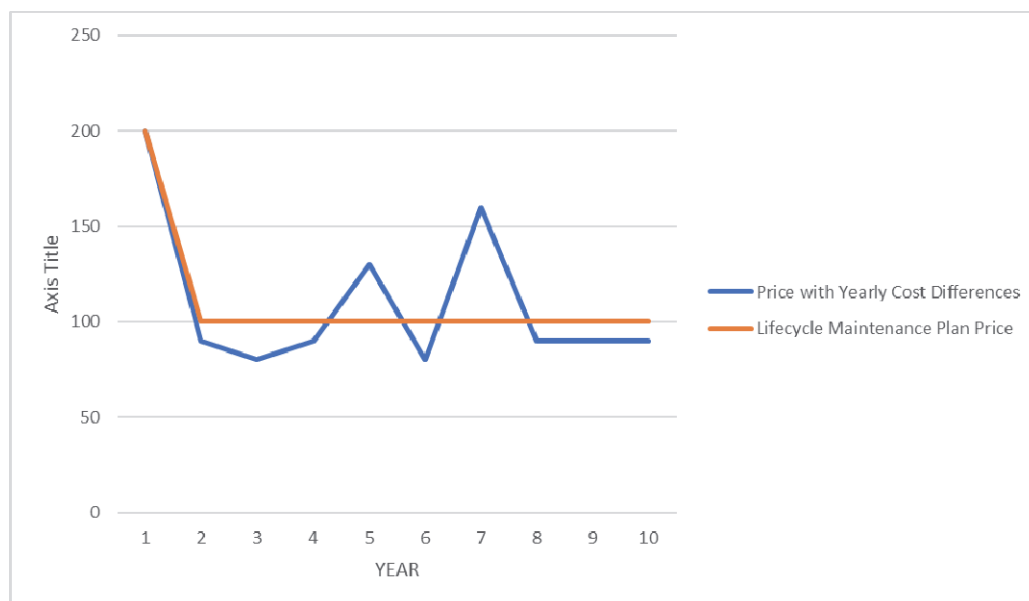


## INFRASTRUCTURE LIFECYCLE MAINTENANCE PLAN

Harris offers a 10-year comprehensive, long-term infrastructure lifecycle maintenance and upgrade plan to keep critical communications systems free from security threats and operating at peak efficiency. Experienced service professionals monitor, test, troubleshoot, repair, and maintain equipment to maximize the performance and reliability of the system. Software updates, security patches, and planned network upgrades protect against obsolescence by extending the useful life of the communications infrastructure and maximizing the value of the customer's investment.

### Simplified Planning for Funding System Maintenance

With the 10-year Infrastructure Lifecycle Maintenance Plan, the annual cost of the plan remains constant after the initial investment, making budgeting easier by eliminating annual increases and decreases in funding. For example, instead of having to budget more in years when hardware upgrades occur, the proposed price simply remains the same. This plan simplifies the long-term budgeting process while keeping the Harris system current and ready for future applications.



The service plan provides the assistance below over the life of the contract.

- Premium Technical Support (PTS)
- Standard Repair Services
- Annual Preventive Maintenance
- On-Demand Services
- Security Update Management Services (SUMS+)
- Software Managed Services (SMS)
- Network Operations Center (NOC) Monitoring Services
- Rapid Response Service Level Agreement (SLA)
- Obsolescence Protection and Planned Network Upgrades
- Cybersecurity Assessments
- Annual ISE Health Check and Report
- Customer Training

## INFRASTRUCTURE LIFECYCLE MAINTENANCE PLAN

### Premium Technical Support

- Priority access to Level 3 and 4 technical support teams for maintenance and service restoration 24 hours per day, 7 days per week, 365 days per year.
- Up-to-date third-party hardware maintenance and software license agreements for compatibility with Harris System Release software.

### Standard Repair Services

- Factory Repair and Return Depot services provide repairs for all Harris-branded system components such as infrastructure, dispatch, and site equipment.

### Annual Preventive System Maintenance

- Preventive maintenance includes scheduled tests, checks, and alignment of the customer's equipment to ensure that the equipment meets specifications. Calibrated test equipment is used for a consistent baseline for tasks such as tuning and aligning System RF base stations to optimize performance and meet FCC requirements.
- Technicians also perform system failover testing, archiving of critical activity and voice call data, and ensure server resources are operating free of errors.

### On-Demand Services

- Harris and our customers collaborate to determine the appropriate level of service for each system's specific requirements. However, a situation may arise where a needed service is not part of the original scope of work. Harris' experienced personnel will quickly assess the need and provide customers with a quote for services.

### Security Update Management Service+ (SUMS+) Program

- SUMS+ provides periodic delivery of patches for multiple operating systems and other third-party applications used in the Harris network to keep each system secure from cybersecurity threats.
- SUMS+ releases are fully tested with Harris applications for compatibility.
- Trained personnel provide on-site installation of the SUMS+ updates.

### Software Managed Services (SMS)

- The SMS program provides new releases of Harris system software tailored to each customer's system.
- These releases contain improvements and enhancements for current generation system software as well as occasional new product capability and the ability to enable licensed features.
- Trained personnel provide on-site installation of the SMS updates.

### Network Operations Center (NOC) Monitoring Services

- Harris provides NOC monitoring for the radio system in real-time, 24 hours per day, 7 days per week, 365 days per year by experienced Harris personnel. The NOC ensures quick identification of network issues and action to correct the matter, resulting in reduced system downtime and minimal impact to system users.
- NOC personnel initiate a service ticket upon detection of a system alarm condition and notify the appropriate personnel, including Harris field technicians, subcontractors, and authorized customer representatives.
- Customized monitoring can include items such as facility and environmental alarms, transport backbone alarms, security clearance verification, motion detectors and shelter security alarms.

## INFRASTRUCTURE LIFECYCLE MAINTENANCE PLAN

### Rapid Response Service Level Agreement (SLA)

- Harris provides response 24 hours per day, 7 days per week, 365 days per year when system issues are detected. Specific terms can be customized to fit user requirements.
- This can include 30-minute problem action initiation (phone or remote) based on the SLA agreement. This level of rapid response will maximize the system's availability and maintain the level of communications that users demand.

### Obsolescence Protection and Planned Network Upgrades

- Obsolescence protection provides new system hardware to maintain compatibility with Harris System Release software under the Software Managed Services program. The program includes Core and RF sites as well as console and gateway hardware as applicable.
- The program provides a service that extends the useful life of the customer's communications infrastructure to maximize the value of that investment. The package is tailored to their system to create an economical way to refresh the hardware to stay current with each System Release.
- This approach maximizes support levels going forward and minimizes the number of network hardware updates during the system lifecycle. Obsolescence Protection allows customers to stay current and be compatible with additional applications such as Location Services, Incident Command Services, and converged LMR/LTE communications.

### Cybersecurity Assessments

- Harris cybersecurity engineers perform an annual on-site evaluation of the customer's system to minimize risk and help maintain the integrity, confidentiality, and availability of the network.
- A comprehensive evaluation report that can be used to guide system security enhancements will be delivered, providing customers peace of mind regarding the system's cybersecurity posture.

### Annual ISE Health Check and Report

- Harris works with the customer to schedule an annual system health check performed by a skilled Implementation System Engineer (ISE) who will evaluate the system and provide a customized System Health Check Report.
- The ISE will make use of the NOC, Cybersecurity Scan, and Annual Preventive Maintenance information and run additional system tests to provide the report with detailed recommendations for changes, improvements, or upgrades to be considered.

### Customer Training

- New System Release software, applications, and features are regularly available on Harris systems. Training helps customers stay abreast of how these enhancements can be used to improve their communications system.
- As part of the long-term system maintenance plan, Harris will schedule regular training sessions to cover important new topics as well as train new customer personnel. This training is a combination of self-guided on-line training, virtual classroom training, and optional on-site training.

### Infrastructure Lifecycle Maintenance Plan Ordering Information

Call the Harris Technical Assistance Center to begin the quoting process for a customized Infrastructure Lifecycle Maintenance Plan.

1-800-528-7711 in the U.S. and Canada  
1-434-385-2400 Worldwide.

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## ADDITIONAL SERVICES

### On-Demand Services for Failure Restoration

Harris and our customers collaborate to determine the appropriate level of service for each system's specific requirements. However, a situation may arise where a needed service is not part of the original scope of work. Known as On-Demand Services, Harris' experienced personnel will quickly assess the need and provide customers with a quote for additional services.

Several examples of On-Demand Services are below.

- Installation or removal of mobile radio equipment after the initial installation
- Repair of equipment damaged by vandalism
- Repair of equipment damaged through abuse or physical neglect
- Replacement or repair of equipment damaged due to extreme conditions or events outside of Harris' reasonable control
- On-site efforts outside the scope of services purchased

### Field Feature Encryption Upgrade Service

Feature encryption allows a radio user to selectively upgrade radios or build in Harris value-added features in the field. As the customer's requirements grow, the radio's features can be expanded. Feature encryption is an outstanding tool to custom-fit a radio to the operational and budgetary requirements. This is possible because it provides a means of easy field upgrades that allow the radios to keep pace with the user's growing requirements.

Feature encryption is available for most current and legacy terminal products.

For a listing of current options and pricing, please log in to <https://premier.pspc.harris.com/infocenter/> and select the "Feature Encryption" link from the top right side of the screen to view the Harris Feature Encryption Price List web page or call:

1-800-528-7711 in the U.S. and Canada  
1-434-385-2400 Worldwide  
Fax: 1-434-455-6690

The feature encryption process is as follows:

1. Call the Technical Assistance Center at 1-800-528-7711 (U.S. and Canada), 1-434-385-2400 Worldwide, or fax a request to 1-434-455-6690.
2. Provide the Customer Service Representative with the following information:
  - Model Number or Package Combination Number
  - Physical Serial Number of the radio
  - Electronic Serial Number of the radio
  - Any Existing Feature Encryption as it may apply
  - Purchase Order or credit card number for Feature Encryption upgrade
3. Customer Service Representative provides new feature encryption data for field upgrade.
4. Customer loads code into radio and programs new radio personality.
5. Customer is billed for the options purchased.

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## TECHNICAL TRAINING

Technical training courses are conducted regularly at the Technical Training Center in Lynchburg, Virginia. To register for courses conducted at the Technical Training Center, contact the Training Registrar at 1-434-455-9469 or register online at our website at <http://pspc.harris.com/Service/TechnicalTraining.asp>. Training courses can also be conducted at a customer's location. Contact the Training Manager at 1-434-455-9454 for on-site training prices and availability. Typically, two-to-three months' lead time is required to schedule on-site training.

The List Prices provided are the tuition per student for regularly scheduled training at the Technical Training Centers.

Technical Training focuses on three job categories: administration, maintenance, and operation.

- Administrative training provides management personnel with the knowledge and skills to plan and manage the radio system.
- Maintenance training prepares a technician to perform preventive and corrective maintenance on radio system equipment.
- Operational training is designed for field equipment users and dispatchers to facilitate the transition to a radio system.

## OPERATIONAL TRAINING

Operational training provides dispatch personnel and field equipment users with the knowledge and skills to operate their dispatch consoles and radios, respectively. It also includes a course on radio programming.

Dispatch personnel are at the core of effective and efficient implementation of the radio system. While the time required for training is minimal, the payback is immense. A solid understanding of both console and system operation is required to effectively train dispatch personnel on the operation of a dispatch console. Therefore, our instructor conducts dispatch console operational training directly for dispatchers and their supervisors. A train-the-trainer format is not recommended.

The importance of field equipment users understanding basic system operation and the operation of their portable and/or mobile radios must not be underestimated. We offer two (2) options for providing user equipment operator training: train-the-user and train-the-trainer.

Creating a radio personality through programming and configuring a radio that meets operational requirements and is user friendly helps ensure effective communications.

The following table provides a list of standard training courses. The table includes the course number and the location where the training can be conducted as indicated by the course length.

	Course No.	Harris Facility	On-Site
<b>Operational Training</b>			
Console Equipment Operator Training	YTSP5P	-	4 hours
User Equipment Operator Training	YTSP7R	-	2-8 hours
XL-200P Radio Programming & Operation	YTSN6X	2 days	2 days

E/C	Model No.	List Price \$	Description
BC.....	YTSP5P .....	CALL .....	CONSOLE EQUIPMENT OPERATOR TRAINING This course provides dispatchers and supervisors with the knowledge and skills to operate the Symphony™ Dispatch Console. The customer's operational consoles are utilized during this training. The training includes a discussion on the differences between conventional and trunked radio systems, if applicable, an overview of the customer's system, and basic system operation. The training is held in small groups with no more than two people on an operating console. This maximizes the effectiveness of the hands-on portion of the training. Each training session is four hours in length.

**TECHNICAL TRAINING****OPERATIONAL TRAINING (Cont'd)**

E/C	Model No.	List Price \$	Description
BC .....	YTSP7R.....	CALL.....	<p>USER EQUIPMENT OPERATOR TRAINING This course is typically conducted in a train-the-trainer format. Customer instructors learn how to operate the mobile and portable radio equipment and how to train other personnel. The training includes an introduction to trunked systems, a discussion of the differences between conventional and trunked radio systems, and an overview of the customer's system. Support materials are provided for the instructors to assist in the user training. Training varies in length depending on the complexity of the customer's radio system. Operator training can also be provided for <u>all</u> customer personnel by a Harris instructor if desired.</p>
N .....	YTSN6X .....	920.00 .....	<p>XL-200P RADIO PROGRAMMING &amp; OPERATION This course provides in-depth instruction on programming and operating the XL-200P portable radio for system administrators, technicians, and anyone else who needs the knowledge and skills to create a radio personality to meet operational needs. Although the course focuses on the XL-200P radio when attended at the Harris Technical Training Center, it is beneficial to anyone who needs to learn radio programming using the Radio Personality Manager 2 (RPM2) application.</p> <p>In this course, participants learn the process of creating a master radio personality using RPM2. This includes creating frequency and group sets to build "systems/zones," and selecting radio options (i.e., power-up options, display settings, alert tones, timer settings, emergency features, supervisory features, etc.). The operational impact of selecting different options is explored and the modification of existing radio personalities is also addressed. The training also includes manually generating and loading encryption keys using the Key Manager application.</p>

## TECHNICAL TRAINING

### P25 SYSTEM ADMINISTRATIVE TRAINING

P25 system administrators and managers have the overall responsibility for defining and maintaining the radio system's configurable parameters. This role has emerged as radio systems have become larger and more complex. The responsibilities include the following:

- defining the fleet map
- maintaining unit and group databases
- defining wide-area roaming capabilities
- planning radio feature usage and personalities
- configuring dispatch consoles
- enabling and disabling subscriber units
- generating reports
- monitoring system performance

The following table provides a list of standard training courses. The table includes the course number and the location where the training can be conducted as indicated by the course length.

	Course No.	Virtual Classroom	Harris Facility	On-Site
<b>P25 System Administrative Training</b>				
P25 System Overview	YTSN4F	5 four-hour sessions	-	-
P25 Fleet Mapping Workshop	YTSN6A		-	4 days
Console Configuration	YTSN3H		-	2 days
Unified Administration System	YTSN4G	3 four-hour sessions		
Unified Administration System	YTSN6B		-	2 days
Regional Network Manager	YTSN4H	2 four-hour sessions		
Regional Network Manager	YTSN3V		-	2 days
P25 System Workshop	YTSN9N		5 days	-
Over-the-Air Rekeying (OTAR)	YTSN6C		-	1 day
ISSI Configuration & Administration	YTSN9L		-	1 day

E/C	Model No.	List Price \$	Description
N .....	YTSN4F .....	1,500.00 .....	<b>P25 SYSTEM OVERVIEW</b> This virtual classroom course is for individuals responsible for system implementation and management, and consists of five (5) four-hour sessions. It provides an understanding of terminology, equipment, components, and operational processes associated with the P25 system. Topics include RF communication basics, VIDA network and site equipment, call processing, wide-area coverage solutions, interoperability, and much more. This course is a prerequisite for the <i>Unified Administration System</i> (YTSN4G) and <i>Regional Network Manager</i> (YTSN4H) virtual classroom courses, and is the first training activity that should be completed by a P25 system administrator or manager.
BC .....	YTSN6A .....	CALL .....	<b>P25 FLEET MAPPING WORKSHOP</b> This on-site workshop assists new customers in defining the system's fleet map and planning radio personalities. The advantages of different group structures and associated property, priority and coverage options are explored, and fleet mapping experience gained from other customers is shared. System configuration, interoperability scenarios, and radio programming options (i.e., wide-area roaming, scanning, and emergency calls) are also examined. The <i>P25 System Overview</i> (YTSN4F) virtual classroom course is a recommended prerequisite.

**TECHNICAL TRAINING****P25 SYSTEM ADMINISTRATIVE TRAINING (Cont'd)**

<b>E/C</b>	<b>Model No.</b>	<b>List Price \$</b>	<b>Description</b>
BC .....	YTSN3H .....	CALL .....	CONSOLE CONFIGURATION This on-site course provides system administrators and managers and dispatch supervisors with the knowledge and skills to configure the Symphony Dispatch Console to meet operational needs. The training includes a detailed operational overview that introduces participants to the various features and capabilities of the console. Participants will work within the Configuration Utility to explore the various settings and how these settings impact the operation of the console. With an understanding of the Configuration Utility settings, participants will have the requisite knowledge to define the parameters that best suit their operational needs.
N .....	YTSN4G .....	900.00 .....	UNIFIED ADMINISTRATION SYSTEM This virtual classroom course provides system administrators and managers with the knowledge to create and maintain system databases using the Unified Administration System (UAS). The course consists of three (3) four-hour sessions. Course topics include logging into the UAS, establishing user accounts, navigating through the user interface, creating and changing parameter values, and adding/deleting radio users and talk groups. The <i>P25 System Overview</i> (YTSN4F) virtual classroom course is a required prerequisite. Prior completion of the following asynchronous training courses is highly recommended: <i>P25 Fleet Mapping Overview</i> , <i>Unified Administration System (UAS) Overview</i> , and <i>Active Directory</i> .
BC .....	YTSN6B .....	CALL .....	UNIFIED ADMINISTRATION SYSTEM The purpose of this on-site course is to provide system administrators and managers with the capability to create and maintain system databases using the Unified Administration System (UAS). This hands-on course requires an in-depth understanding of the job functions within the customer's organization as well as an operational understanding of the radio system. Course topics include logging into the UAS, establishing user accounts, navigating through the user interface, creating and changing parameter values, and adding/deleting radio users and talkgroups.
N .....	YTSN4H .....	600.00 .....	REGIONAL NETWORK MANAGER This virtual classroom course provides system administrators and managers with the knowledge to monitor and manage the P25 system using the Regional Network Manager (RNM). The course consists of two (2) four-hour sessions. Course topics include system access, monitoring the status of system equipment, identification and acknowledgement of system faults, historical views of system performance, and exploring real-time viewers. The <i>P25 System Overview</i> (YTSN4F) virtual classroom course is a required prerequisite. Prior completion of the following asynchronous training courses is highly recommended: <i>Regional Network Manager (RNM) Overview</i> and <i>Active Directory</i> .
BC .....	YTSN3V .....	CALL .....	REGIONAL NETWORK MANAGER This on-site course provides system administrators and managers with the ability to monitor and manage the system using the Regional Network Manager (RNM). Course topics include system access, monitoring the status of system equipment, identification and acknowledgement of system faults, historical views of system performance, exploring real-time viewers, and running activity and status reports on system performance.

## TECHNICAL TRAINING

### P25 SYSTEM ADMINISTRATIVE TRAINING (Cont'd)

E/C	Model No.	List Price \$	Description
N .....	YTSN9N .....	3,500.00 .....	<p><b>P25 SYSTEM WORKSHOP</b> This hands-on workshop allows participants to implement the knowledge acquired during prerequisite virtual classroom and asynchronous training. The workshop begins with students completing structured hands-on exercises on the Unified Administration System (UAS), Regional Network Manager (RNM), and radio programming. Participants are then divided into teams to plan, implement, and operate the Training Center's P25 radio system based on the communication requirements of an imaginary town. Activities include defining a fleet map, planning radio personalities, establishing UAS databases, configuring dispatch consoles, programming radios, and operating the system. Since this workshop is primarily hands-on and builds upon previously acquired knowledge, it is important for students to meet the prerequisites for optimal learning and to gain the most benefit from this course. The <i>P25 System Overview</i> (YTSN4F), <i>Unified Administration System</i> (YTSN4G) and <i>Regional Network Manager</i> (YTSN4H) virtual classroom courses are required prerequisites. Additionally, prior completion of the Radio Programming Overview, Radio Personality Manager 2 (RPM 2), Advanced Access Control (AAC), Symphony Dispatch Console Operation, and XL-200P Radio Operation asynchronous training courses is highly recommended.</p>
BC .....	YTSN6C .....	CALL .....	<p><b>OVER-THE-AIR REKEYING</b> This on-site course provides system administrators and managers with the knowledge and skills to manage encryption keys using the Network Key Management Facility (KMF) product in a P25 network. This includes defining Crypto Officer Administration classes and user privileges; managing Crypto Officer user accounts; configuring crypto nets; and rekeying talkgroups, users and system keys using the Unified Administration System (UAS). The <i>P25 System Overview</i> (YTSN4F) and <i>Unified Administration System</i> (YTSN4G) virtual classroom courses are recommended prerequisites.</p>
BC .....	YTSN9L .....	CALL .....	<p><b>ISSI CONFIGURATION &amp; ADMINISTRATION</b> This on-site course provides system administrators and managers with the knowledge and skills to configure and implement the Inter-RF SubSystem Interface (ISSI) using the Unified Administration System (UAS). Course topics include configuring the UAS for local and foreign ISSI gateways, creating an ISSI Region, establishing System Assigned ID (SAID) ranges for foreign talkgroups and users, determining shared users and talkgroups available to foreign systems, and creating foreign user permission templates. The <i>P25 System Overview</i> (YTSN4F) and <i>Unified Administration System</i> (YTSN4G) virtual classroom courses are recommended prerequisites.</p>

## TECHNICAL TRAINING

### P25 SYSTEM MAINTENANCE TRAINING

A P25 system maintenance technician must be familiar with all aspects of system operation and maintenance. System maintenance training provides technicians with the knowledge and skills needed to conduct preventive maintenance, troubleshoot problems, and take corrective action.

The following table provides a list of standard training courses. The table includes the course number, and the location where the training can be conducted as indicated by the course length.

	Course No.	Harris Facility	On-Site
<b>P25 System Maintenance Training</b>			
<i>System Training</i>			
P25 System Maintenance	YTSN6D	7 days	7 days
Regional Network Manager	YTSN3V	2 days	2 days
Network Operation & Maintenance	YTSN3W	4 days	4 days
MASTR® V Station Maintenance	YTSN8G	1½ days	1½ days
MASTR® III Station Maintenance	YTSP3T	4½ days	3 days
P25 Simulcast System Maintenance	YTSN8H	3 days	3 days
P25 Master Technician	YTSN9T	4½ days	-

E/C	Model No.	List Price \$	Description
N.....	YTSN6D.....	3,220.00.....	<b>P25 SYSTEM MAINTENANCE</b> This course provides technicians with the basic knowledge and skills to operate and maintain a conventional or trunked P25 system. Course topics include an overview of P25 system operation, features, capabilities, and configurations as well as the basic radio programming of Harris radios. In addition, the function, configuration, and troubleshooting of system components (e.g., SitePro Controllers, SiteLink, Network Sentry, Regional Site Manager, and Symphony Dispatch Consoles) are included.
N.....	YTSN3V.....	920.00.....	<b>REGIONAL NETWORK MANAGER</b> This course provides system administrators and managers with the ability to monitor and manage the system using the Regional Network Manager (RNM). Course topics include system access, monitoring the status of system equipment, identification and acknowledgement of system faults, historical views of system performance, exploring real-time viewers, and running activity and status reports on system performance.
N.....	YTSN3W.....	1,840.00.....	<b>NETWORK OPERATION &amp; MAINTENANCE</b> This course introduces technicians to basic networking concepts and provides them with the ability to maintain the IP network and Network Switching Center. Topics covered include IP addressing and basic routing, database backup and storage, router and switch configuration management, high-availability Network Switching Server configuration and failover operation, and disaster recovery of network components. Completion of the <i>Regional Network Manager</i> (YTSN3V) course is a prerequisite.
N.....	YTSN8G.....	920.00.....	<b>MASTR® V STATION MAINTENANCE</b> This course covers the theory of operation and maintenance procedures for the MASTR V Station used in the P25 <sup>IP</sup> radio system. Topics covered include station architecture, module overview, software overview, network configuration, station configuration, troubleshooting and testing. Completion of the <i>P25 System Maintenance</i> (YTSN6D) <u>and</u> <i>Network Operation &amp; Maintenance</i> (YTSN3W) courses are a prerequisite.
N.....	YTSP3T.....	2,300.00.....	<b>MASTR® III STATION MAINTENANCE</b> This course covers the theory of operation and maintenance procedures for the MASTR III Station, including the P25 digital base station that is used in either a conventional or trunked configuration. Frequency bands covered include low band, VHF-HI, UHF, and 800 MHz. Hands-on laboratory exercises on testing and aligning RF modules, and setting station levels allow for optimal learning. Prior completion of <i>RF Test &amp; Troubleshooting</i> (YTSP5U) and <i>Advanced RF Fundamentals</i> (YTSN3E) are highly recommended.



## TECHNICAL TRAINING

### P25 SYSTEM MAINTENANCE TRAINING (Cont'd)

E/C	Model No.	List Price \$	Description
N .....	YTSN8H .....	1,380.00 .....	P25 SIMULCAST SYSTEM MAINTENANCE This course provides technicians with the knowledge and skills to operate, maintain, and troubleshoot a P25 simulcast system. Topics include simulcast system operation and concepts, such as capture and non-capture zones and delay spread, signal flow, GPS timing synchronization and alignment, bypass operation, and system troubleshooting and replacement of failed components. Completion of the <i>P25 System Maintenance</i> (YTSN6D) <u>and</u> <i>MASTR V Station Maintenance</i> (YTSN8G) courses are a prerequisite.
N .....	YTSN9T .....	3,150.00 .....	P25 MASTER TECHNICIAN This hands-on course focuses on system troubleshooting techniques for experienced P25 system technicians. Procedures to monitor, analyze, and isolate problems are discussed and practiced using the Training Center's radio system. Actual faults are installed in the system to simulate typical on-the-job scenarios. At least six months of hands-on experience maintaining a P25 system, and completion of <i>P25 System Maintenance</i> (YTSN6D), <i>Regional Network Manager</i> (YTSN3V), <i>Network Operation &amp; Maintenance</i> (YTSN3W), and either <i>MASTR III Station Maintenance</i> (YTSP3T) <u>or</u> <i>MASTR V Station Maintenance</i> (YTSN8G) are mandatory prerequisites for this course.

## TECHNICAL TRAINING

### OPENSKY® SYSTEM ADMINISTRATION TRAINING

OpenSky system administrators and managers have the overall responsibility for defining and maintaining the system's configurable parameters. This role has evolved as radio systems have become larger and more complex. The responsibilities include the following:

- defining the fleet map
- maintaining unit and group databases
- defining wide-area roaming capabilities
- planning radio feature usage and profiles/personalities
- configuring dispatch consoles
- enabling and disabling subscriber units
- generating reports
- monitoring system performance

The following table provides a list of standard training courses. The table includes the course number, and the location where the training can be conducted as indicated by the course length.

	Course No.	Harris Facility	On-Site
<b>OpenSky® System Administrative Training</b>			
OpenSky System Administration	YTSN6E	-	3½ days
Unified Administration System	YTSN6B	-	2 days
Console Configuration	YTSN3H	-	2 days
Regional Network Manager	YTSN3V	-	2 days

E/C	Model No.	List Price \$	Description
BC .....	YTSN6E .....	CALL .....	OPENSKY SYSTEM ADMINISTRATION This course is strongly recommended for individuals responsible for system implementation and management. It provides an understanding of terminology, equipment, components, and operational processes associated with OpenSky. The topics covered include radio personalities, system database configuration options, fleet mapping, and implementation processes.
BC .....	YTSN6B .....	CALL .....	UNIFIED ADMINISTRATION SYSTEM The purpose of this course is to provide system administrators and managers with the ability to create and maintain system databases using the Unified Administration System (UAS). This hands-on course requires an in-depth understanding of the job functions within the customer's organization as well as an operational understanding of the radio system. Course topics include logging into the UAS, establishing user accounts, navigating through the user interface, creating and changing parameter values, and adding/deleting radio users and talkgroups. Completion of the <i>OpenSky System Administration</i> (YTSN6E) course is a prerequisite.
BC .....	YTSN3H .....	CALL .....	CONSOLE CONFIGURATION This course provides dispatch supervisors and system administrators and managers with the knowledge and skills to configure the Symphony Dispatch Console including operational functions and screen layout. Participants learn how to set up the operation and layout of the console using the User-Definable Screen (UDS) configuration program.
BC .....	YTSN3V .....	CALL .....	REGIONAL NETWORK MANAGER This course provides system administrators and managers with the ability to monitor and manage the system using the Regional Network Manager (RNM). Course topics include system access, monitoring the status of system equipment, identification and acknowledgement of system faults, historical views of system performance, exploring real-time viewers, and running activity and status reports on system performance.

## TECHNICAL TRAINING

### OPENSky® SYSTEM MAINTENANCE TRAINING

An OpenSky system maintenance technician must be familiar with all aspects of system operation and maintenance. System maintenance training provides technicians with the knowledge and skills needed to conduct preventive maintenance, troubleshoot problems, and take corrective action.

The following table provides a list of standard training courses. The table includes the course number, and the location where the training can be conducted as indicated by the course length.

	Course No.	Harris Facility	On-Site
<b>OpenSky System Maintenance Training</b>			
<i>System Training</i>			
OpenSky Site Equipment Maintenance	YTSN5C	-	4 days
Regional Network Manager	YTSN3V	-	2 days
Network Operation & Maintenance	YTSN3W	-	4 days

E/C	Model No.	List Price \$	Description
BC.....	YTSN5C .....	CALL .....	<b>OPENSky SITE EQUIPMENT MAINTENANCE</b> The purpose of this course is to provide technicians with the ability to troubleshoot and perform field-replaceable unit level maintenance on OpenSky high-profile and pole-mount site equipment. The equipment includes the Base Station Transceiver (BSX), Base Station Controller (BSC), High Power Amplifier (HPA) with duplexer or preselector/low noise amplifier, modem and associated base site backhaul and access routers. The course reviews system architecture, configuration and features and field maintenance and repair procedures.
BC.....	YTSN3V .....	CALL .....	<b>REGIONAL NETWORK MANAGER</b> This course provides system administrators and managers with the ability to monitor and manage the system using the Regional Network Manager (RNM). Course topics include system access, monitoring the status of system equipment, identification and acknowledgement of system faults, historical views of system performance, exploring real-time viewers, and running activity and status reports on system performance.
BC.....	YTSN3W .....	CALL .....	<b>NETWORK OPERATION &amp; MAINTENANCE</b> This course introduces technicians to basic networking concepts and provides them with the ability to maintain the IP network and Network Switching Center. Topics covered include IP addressing and basic routing, database backup and storage, router and switch configuration management, high-availability Network Switching Server configuration and failover operation, and disaster recovery of network components. Completion of the <i>Regional Network Manager</i> (YTSN3V) course is a prerequisite.

## TECHNICAL TRAINING

### EDACS® SYSTEM ADMINISTRATIVE TRAINING

EDACS system administrators and managers have the overall responsibility for defining and maintaining the system's configurable parameters. This role has evolved as radio systems have become larger and more complex. The responsibilities include the following:

- defining the talkgroup structure
- maintaining unit and group databases
- defining wide-area roaming capabilities
- planning radio feature usage and personalities
- configuring dispatch consoles
- enabling and disabling subscriber units
- generating reports
- monitoring system performance

The following table provides a list of standard training courses. The table includes the course number, and the location where the training can be conducted as indicated by the course length.

	Course No.	Harris Facility	On-Site
<b>EDACS System Administrative Training</b>			
EDACS System Administration	YTSP3N	-	4½ days
Console Configuration	YTSN3H	-	2 days

E/C	Model No.	List Price \$	Description
BC .....	YTSP3N.....	CALL.....	EDACS SYSTEM ADMINISTRATION This course is strongly recommended for individuals responsible for system implementation and management. It provides an understanding of terminology, equipment, components, and operational processes associated with EDACS and ProVoice. The topics covered include group structuring, radio programming, system database requirements, console configuration using the CEC/IMC Manager, and implementation processes.
BC .....	YTSN3H.....	CALL.....	CONSOLE CONFIGURATION This course provides dispatch supervisors and system administrators and managers with the knowledge and skills to configure the C3 Maestro Dispatch Console including operational functions and screen layout. Participants learn how to set up the operation and layout of the console using the CEC/IMC Manager and the User-Definable Screen (UDS) configuration program.

## TECHNICAL TRAINING

### EDACS® SYSTEM MAINTENANCE TRAINING

An EDACS system maintenance technician must be familiar with all aspects of system operation and maintenance. System maintenance training provides technicians with the knowledge and skills needed to conduct preventive maintenance, troubleshoot problems, and take corrective action.

The following table provides a list of standard training courses. The table includes the course number, and the location where the training can be conducted as indicated by the course length.

	Course No.	Harris Facility	On-Site
<b>EDACS System Maintenance Training</b>			
<i>System Training</i>			
Introduction to EDACS System Maintenance	YTSP3U	-	9½ days
MASTR® III Station Maintenance	YTSP3T	4½ days	3 days
<i>Advanced System Training</i>			
EDACS Simulcast System Maintenance	YTSP3W	-	4½ days

E/C	Model No.	List Price \$	Description
BC.....	YTSP3U.....	CALL.....	INTRODUCTION TO EDACS SYSTEM MAINTENANCE This course provides technicians with the basic knowledge and skills to operate and maintain an EDACS or ProVoice system. It is a prerequisite for all other system maintenance courses. System operation and configuration as well as radio programming are reviewed. System components covered include SitePro Controller, Site Interface Module, SureCall, Site Sentry, Hotline telephone interconnect, Console Electronic Controller (CEC), Integrated Multisite & Console Controller (IMC), CEC/IMC Manager, and the C3 Maestro Dispatch Console.
N.....	YTSP3T.....	2,300.00.....	MASTR® III STATION MAINTENANCE This course covers the theory of operation and maintenance procedures for the MASTR III Station that is used in either a conventional or trunked configuration. Frequency bands covered include low band, VHF-HI, UHF, and 800 MHz. Hands-on laboratory exercises on testing and aligning RF modules, and setting station levels allow for optimal learning.
BC.....	YTSP3W.....	CALL.....	EDACS SIMULCAST SYSTEM MAINTENANCE This course provides technicians with the knowledge and skills to operate and maintain a GPS simulcast system. Topics covered include components, signal flow paths, alignment procedures, preventive and corrective maintenance, the IEA system, and observation of a live system, including component identification. The regularly scheduled course at the Training Center focuses on the GPS simulcast system only. Completion of <i>Introduction to EDACS System Maintenance</i> (YTSP3U) <u>and</u> <i>MASTR III Station Maintenance</i> (YTSP3T) are prerequisites.

## TECHNICAL TRAINING

### NETWORKFIRST® SYSTEM ADMINISTRATIVE TRAINING

The following table provides a list of standard training courses. The table includes the course number, and the location where the training can be conducted as indicated by the course length.

	Course No.	Harris Facility	On-Site
<b>NetworkFirst Administrative Training</b>			
NetworkFirst Operation & Administration	YTSN5A	-	2½ days

E/C	Model No.	List Price \$	Description
BC .....	YTSN5A .....	CALL .....	<p><b>NETWORKFIRST OPERATION &amp; ADMINISTRATION</b> This course provides system administrators and managers with the knowledge and skills to configure and use the Unified Administration System (UAS) to manage talkgroups for both planned and unplanned interoperability events. The training includes an overview of the features and capabilities of NetworkFirst and an introduction to NetworkFirst equipment, components, and operational processes such as how to re-program an Interoperability Gateway. Participants are also introduced to the Regional Network Manager (RNM), which is used to view network talkgroup activity, monitor Interoperability Gateway status, and generate performance summary reports.</p>

## TECHNICAL TRAINING

### NETWORKFIRST® SYSTEM MAINTENANCE TRAINING

The following table provides a list of standard training courses. The table includes the course number, and the location where the training can be conducted as indicated by the course length.

	Course No.	Harris Facility	On-Site
<b>NetworkFirst System Maintenance Training</b>			
<i>System Training</i>			
Regional Network Manager	YTSN3V	2 days	2 days
Network Operation & Maintenance	YTSN3W	4 days	4 days

E/C	Model No.	List Price \$	Description
N .....	YTSN3V .....	920.00 .....	REGIONAL NETWORK MANAGER This course provides system administrators and managers with the ability to monitor and manage the system using the Regional Network Manager (RNM). Course topics include system access, monitoring the status of system equipment, identification and acknowledgement of system faults, historical views of system performance, exploring real-time viewers, and running activity and status reports on system performance.
N .....	YTSN3W .....	1,840.00 .....	NETWORK OPERATION & MAINTENANCE This course introduces technicians to basic networking concepts and provides them with the ability to maintain the IP network and Network Switching Center. Topics covered include IP addressing and basic routing, database backup and storage, router and switch configuration management, high-availability Network Switching Server configuration and failover operation, and disaster recovery of network components. Completion of the <i>Regional Network Manager</i> (YTSN3V) course is a prerequisite.

## TECHNICAL TRAINING

### BeOn® SYSTEM ADMINISTRATIVE TRAINING

The following table provides a list of standard training courses. The table includes the course number, and the location where the training can be conducted as indicated by the course length.

	Course No.	Harris Facility	On-Site
<b>BeOn System Administrative Training</b>			
BeOn System Administration	YTSN2D	-	2½ days

E/C	Model No.	List Price \$	Description
BC .....	YTSN2D .....	CALL .....	BeOn SYSTEM ADMINISTRATION This course is designed for personnel who manage and administer the BeOn system using the Unified Administration System (UAS) and Regional Network Manager (RNM) applications, and is applicable to implementing the BeOn system as a standalone solution or integrating BeOn with a Land Mobile Radio (LMR) solution such as P25 or OpenSky®. Course topics include configuring the UAS for BeOn operation; assigning user accounts, permissions, and device/user parameters in the UAS to allow BeOn integration and operations; configuring encryption and provisioning BeOn devices with voice encryption keys; utilizing the BeOn Listing Utility to manage licenses; configuring the RNM to monitor BeOn services; accessing, navigating, and monitoring BeOn application services using the RNM; and operating BeOn subscriber devices.



## TECHNICAL TRAINING

### NETWORK & RF CORE TRAINING

Harris's VIDA network architecture requires radio system technicians and administrators to have a solid understanding of IP networks. The *Introduction to Networking* (YTSN2X) course provides participants with fundamental knowledge of networks.

Radio maintenance core training provides a technician with a solid RF foundation that system and terminal product maintenance training courses will build upon. This training is applicable to any trunked or conventional system configuration and consists of three courses.

The following table provides a list of standard training courses. The table includes the course number, and the location where the training can be conducted as indicated by the course length.

	Course No.	Harris Facility	On-Site
<b>Network Core Training</b>			
Introduction to Networking	YTSN2X	5 days	5 days
<b>Radio Maintenance Core Training</b>			
RF Test & Troubleshooting	YTSP5U	4½ days	4½ days
Advanced RF Fundamentals	YTSN3E	4½ days	4½ days

E/C	Model No.	List Price \$	Description
N .....	YTSN2X .....	2,300.00 .....	INTRODUCTION TO NETWORKING This course is designed for system technicians and administrators, and anyone else who requires a solid understanding of the fundamental principles of installing and supporting networks. This course is based upon the CompTIA Network+ certification learning objectives. Topics include network media and devices; addressing and routing; network applications; network security; and network management, monitoring, and troubleshooting. In addition to building a solid knowledge foundation of networking principles, this course will help prepare an individual to achieve CompTIA Network+ certification. This certification ensures that the successful candidate has the important knowledge and skills necessary to manage, maintain, troubleshoot, install, operate and configure basic network infrastructure. This course is a highly recommended prerequisite for individuals who have never had any formal network training and want to attend the <i>Network Operation &amp; Maintenance</i> (YTSN3W) course.
N .....	YTSP5U .....	2,300.00 .....	RF TEST & TROUBLESHOOTING This course is highly recommended for technicians who have never had formal training on standard tests for two-way radios. Participants learn how to conduct and interpret the results of both standard transmitter and receiver tests in accordance with the standards published by the Electronic Industries Association (EIA). Technicians will gain knowledge and experience in operating test equipment and following procedures to test two-way radios using a systematic approach to troubleshooting. Prerequisite knowledge of basic electronics, major two-way FM radio components, and common test equipment are highly recommended.
N .....	YTSN3E .....	2,300.00 .....	ADVANCED RF FUNDAMENTALS This course provides technicians with the fundamental knowledge and skills needed to maintain a two-way radio system by exploring the radio's environment. This includes the radio frequency, lightning, grounding, telephone lines, and station control. The performance of the RF carrier for different frequency bands through cables, antennae, and the airway is evaluated. Technicians will learn about RF propagation and system coverage expectations, as well as problems (i.e., intermodulation, frequency congestion and desensitization) and solutions in the RF environment. Hands-on exercises include tuning cavities, combiners, and duplexers. The course also includes a discussion and hands-on exercises on telephone line characteristics and requirements with emphasis on E&M, tone, and DC station control. Prior completion of the <i>RF Test &amp; Troubleshooting</i> (YTSP5U) course is highly recommended.

## TECHNICAL TRAINING

### PORTABLE AND MOBILE RADIO MAINTENANCE TRAINING

Bench technicians responsible for maintaining conventional and/or trunked portable and mobile radios should first complete the RF Test & Troubleshooting (YTSP5U) course, which is part of the Radio Maintenance Core Training program, and then attend applicable radio maintenance courses.

Radio maintenance courses are available on portable and mobile radios that utilize Open Multimedia Application Platform (OMAP) microprocessors. Radios that use OMAP microprocessors have common software and similar maintenance procedures, which allows us to deliver training on portable families of radios in one course and mobile families of radios in a second course, regardless of the operating mode (e.g., P25<sup>IP</sup>, OpenSky<sup>®</sup>, EDACS<sup>®</sup>, or Conventional).

The following table provides a list of standard training courses. The table includes the course number, and the location where the training can be conducted as indicated by the course length.

	Course No.	Harris Facility	On-Site
<b>Portable &amp; Mobile Radio Maintenance Training</b>			
OMAP Portable Radio Maintenance	YTSN8J	4½ days	4½ days
OMAP Mobile Radio Maintenance	YTSN8K	4½ days	4½ days
XL-200P Radio Maintenance	YTSN4A	2 days	2 days
XL-200M Radio Maintenance	YTSN4V	2 days	2 days
Mobile Radio Installation	YTSN7U	-	2 days

E/C	Model No.	List Price \$	Description
N.....	YTSN8J .....	2,300.00 .....	OMAP PORTABLE RADIO MAINTENANCE This course provides in-depth discussion and hands-on exercises to maintain the P5200, P5300, P5400, P7200, and P7300 portable radios, which utilize Open Multimedia Application Platform (OMAP) microprocessors. Students will participate in classroom presentations and discussions on radio programming for testing as well as radio personality modification to meet specific needs. Radio disassembly will be demonstrated and discussed, and replaceable parts and service tools will be identified. Hands-on exercises include radio programming, testing, and software maintenance.
N.....	YTSN8K .....	2,300.00 .....	OMAP MOBILE RADIO MAINTENANCE This course provides in-depth discussion and hands-on exercises to maintain the M5300, M7200, M7200 V-TAC, and M7300 mobile radios, which utilize Open Multimedia Application Platform (OMAP) microprocessors. Installation of the mobile radios, including the CH-721 control unit, will be discussed. Students will participate in classroom presentations and discussions on radio programming for testing as well as radio personality modification to meet specific needs. Disassembly of the radios and the CH-721 control unit will be demonstrated and discussed, and replaceable parts and service tools will be identified. Hands-on exercises include radio wiring, testing, and software maintenance.
N.....	YTSN4A .....	920.00 .....	XL-200P RADIO MAINTENANCE This course provides technicians with the knowledge and skills to program, test, and maintain the XL-200P portable radio in accordance with the maintenance manual. Upon completion of the training, technicians will be able to install a maintenance personality into the radio for use during standardized testing; setup and perform standard transmitter and receiver tests on the radio using a P25 capable service monitor; disassemble and reassemble the radio; install the LTE module into the radio; perform automatic test and alignment on the radio using the Aeroflex <sup>™</sup> 3920B service monitor and Auto Test software; perform select alignments independent of the AutoTest software; and upgrade the software in the radio.

**TECHNICAL TRAINING****PORTABLE AND MOBILE RADIO MAINTENANCE TRAINING (Cont'd)**

<b>E/C</b>	<b>Model No.</b>	<b>List Price \$</b>	<b>Description</b>
N .....	YTSN4V .....	920.00 .....	XL-200M RADIO MAINTENANCE This course will provide technicians with the knowledge and skills to maintain the XL family of mobile radios to include the XL-200M and the XL-185M. During this course, technicians will learn how to program, operate, and maintain the XL mobile radio. Hands-on exercises include programming the radio for manual testing, and conducting standard transmitter and receiver performance tests using a P25-capable test set. Radio alignment will be reviewed and conducted per the field serviceability plan of the radio using communication test equipment that supports L3Harris automatic testing and tuning. Technicians will also learn how to perform software maintenance and will be fully prepared to conduct any field maintenance on an XL mobile radio.
BC .....	YTSN7U .....	CALL .....	MOBILE RADIO INSTALLATION This course is designed for personnel tasked with the installation of mobile radios in a typical land vehicle, which excludes trains, buses, fuel or munitions vehicles. Course topics include installation planning and preparation; safety considerations; pre-installation tasks; installation of the antenna, cables, radio, and control head; and post-installation inspection, testing, and troubleshooting. Additionally, installers will learn about basic radio operation, and programming software applications and personalities. This course can be customized for a specific mobile radio (e.g., M7100, M7200) operating in a specific system configuration (i.e., EDACS, P25, OpenSky, or Conventional).

## TECHNICAL TRAINING

### WEB-BASED TRAINING

The importance of properly trained end users cannot be understated. Therefore, we have developed a web-based training solution for our customers that provides operational training to radio users and dispatch personnel. Web-based training can build the end users' confidence by improving their knowledge of system operation and skills to operate their equipment, which will enhance performance and help reduce the number of trouble reports.

Often, radio users and dispatchers only receive training on their radios and dispatch consoles during initial implementation of a radio system. How much of this training is absorbed and retained? How many operational features are not being utilized correctly, if at all? Web-based training provides a mechanism to effectively deliver refresher training for radio users, dispatchers, supervisors, and system administrators on the operation of radio and dispatch console equipment used in the system. Additionally, it can be used to augment training for new personnel due to turnover and facilitate the transition to new radios due to rebanding.

E/C	Model No.	List Price \$	Description
BC .....	YTSN6G .....	CALL.....	WEB-BASED TRAINING Our web-based training program consists of system overview and operational training on dispatch consoles and radios that provide initial and refresher training for dispatchers, supervisors, administrators, and radio users. Web-based training is self-paced and interactive, which increases retention rates, and training is cost-effective, especially when student or instructor travel and living expenses are considered when attending standard classroom instruction. Contact the Training Manager at 1-434-455-9454 for more information.

**ENGINEERING SERVICES**

<b>E/C</b>	<b>Model No.</b>	<b>List Price \$</b>	<b>Description</b>
V .....	YVSN1S .....	1,210.00 .....	SERVICE, RF INTEGRITY Daily rate for Engineering services to predict RF coverage from designated transmission site.
V .....	YVSN3C .....	605.00 .....	SERVICE, COVERAGE MAP
V .....	YASP1C .....	1,590.00 .....	SERVICE, HARRIS SYSTEM ENGINEERING Daily rate for System Engineering Services.
V .....	MAYA-NSN6L .....	2,400.00 .....	SERVICE, HARRIS SENIOR SYSTEM ENGINEERING Daily rate for Senior System Engineering Services.
V .....	YBSP1M .....	1,590.00 .....	SERVICE, HARRIS PROJECT MANAGEMENT Daily rate for Project Management to assist implementing customer projects.
V .....	MAYB-NSN6M .....	2,400.00 .....	SERVICE, HARRIS SENIOR PROJECT MANAGEMENT Daily rate for Senior Project Management to assist implementing customer projects.
V .....	YVSN3A .....	1,500.00 .....	SERVICE, DATA SYSTEM ENGINEER Daily rate for Data System Engineer.
V .....	YVSN1X .....	7,850.00 .....	SERVICE, DATA LAB VERIFICATION, 1 WEEK Weekly rate for access and support to verify applications on Harris' Radio systems.
V .....	YVSN1Y .....	605.00 .....	SERVICE, DATA LAB SETUP Mandatory fee to prepare the Data Lab for verification testing.
V .....	YVSN1Z .....	1,200.00 .....	SERVICE, DATA LAB RETURN VISIT, PER DAY Daily fee for return visits to Data Lab when additional verification testing is required.
V .....	YVSN3B .....	1,000.00 .....	SERVICE, DATA SYSTEM ENGINEER T & L Necessary System Engineering travel and living expense to support site visits.
V .....	YSSN1T .....	1,440.00 .....	SERVICE, SENIOR SYSTEM TECHNICIAN, DAILY RATE Daily rate for Senior Technicians to perform installation, testing, system alignment or evaluate special applications. Travel and living will be billed in addition to this fee.
V .....	YSSN1U .....	1,200.00 .....	SERVICE, SYSTEM TECHNICIAN, DAILY RATE Daily rate for Technicians to perform installation, testing, system alignment or evaluate special applications. Travel and living will be billed in addition to this daily rate.

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**TECHNICAL MANUALS**

E/C	Model No.	List Price \$	Description
<b>PORTABLES</b>			
V	MM200XL	65.00	MANUAL, MAINT, XL SERIES
V	MM100XP	65.00	MANUAL, MAINT, UNITY XG-100P
V	MM110-XG75	65.00	MANUAL, MAINT, XG-75, VHF
V	MM210-XG75	65.00	MANUAL, MAINT, XG-75, UHF
V	MM780-XG75	65.00	MANUAL, MAINT, XG-75, 700/800 MHZ
V	MM450-XG75	65.00	MANUAL, MAINT, XG-75PE, UHF-H
V	MM785-XG75	65.00	MANUAL, MAINT, XG-75PE, 700/800 MHZ
V	MAMM-780EV	65.00	MANUAL, MAINT, P7300, (700/800 MHZ)
V	MAMM-450EV	65.00	MANUAL, MAINT, P7300, UHF-H (450-512 MHZ) ECP
V	MM110EX	65.00	MANUAL, MAINT, P5500, VHF
V	MM210EX	65.00	MANUAL, MAINT, P5500, UHF
V	MM810EX	65.00	MANUAL, MAINT, P5500, 800 MHZ
V	MAMM-100EX	65.00	MANUAL, MAINT, P5400 SERIES, VHF
V	MAMM-400EX	65.00	MANUAL, MAINT, P5400 SERIES, UHF
V	MAMM-840EX	65.00	MANUAL, MAINT, P5400 SERIES, 800 MHZ
V	MM800EX-2	65.00	MANUAL, MAINT, P5300 SERIES, 800 MHZ For RU-123550-007 (EX53-PB8DB, EX53-PB8EB, and EX53-PB8TB) and RU-123550-008 (EX53-PF8DB, EX53-PF8EB, and EX53-PF8TB)
V	MAMM-900EX	65.00	MANUAL, MAINT, P5300 SERIES, 900 MHZ
V	MM100DP	65.00	MANUAL, MAINT, XG-25P, VHF
V	MM400DP	65.00	MANUAL, MAINT, XG-25P, UHF-L
V	MM780DP	65.00	MANUAL, MAINT, XG-25P, 700/800 MHZ
V	MM100XR	65.00	MANUAL, MAINT, XG-15P, VHF
V	MM450XR	65.00	MANUAL, MAINT, XG-15P, UHF-H
V	MM780XR	65.00	MANUAL, MAINT, XG-15P, 700/800 MHZ
<b>MOBILES</b>			
V	MM185XT	65.00	MANUAL, MAINT, XL MOBILE For XL-185M and XL-200M
V	MM100XM	65.00	MANUAL, MAINT, UNITY XG-100M
V	MM400XM	25.00	MANUAL, INSTALL, UNITY XG-100M MOBILE
V	MAMM-780MW	65.00	MANUAL, MAINT, XG-75M/M7300, M5300 (700/800)
V	MM450MW	65.00	MANUAL, MAINT, XG-75M/M7300, UHF
V	MM150MW	65.00	MANUAL, MAINT, XG-75M/M7300, 136-174 MHZ, 110W
V	MAMM-100MW	65.00	MANUAL, MAINT, XG-75M/M7300 136-174 MHZ, 50W
V	MM400MW	25.00	MANUAL, INSTALL, XG-75M/M7300
V	MAMM-785MW	65.00	MANUAL, MAINT, VRS7010 P25 VEHICULAR REPEATER
V	MAMM-780MV	65.00	MANUAL, MAINT, M7200 MOBILE, 700/800 MHZ
V	MAMM-785MV	65.00	MANUAL, MAINT, M7200 V-TAC, 700/800 MHZ
V	MM400MV	25.00	MANUAL, INSTALL, M7200 V-TAC MOBILE
V	MAMM-900HK	65.00	MANUAL, MAINT, M5300, 900 MHZ
V	MM400HK	25.00	MANUAL, INSTALL, M5300
V	MM100DM	65.00	MANUAL, MAINT, XG-25M, VHF
V	MM450DM	65.00	MANUAL, MAINT, XG-25M, UHF
V	MM780DM	65.00	MANUAL, MAINT, XG-25M, 700/800 MHZ
V	MM400DM	25.00	MANUAL, INSTALL, XG-25M

**TECHNICAL MANUALS**

E/C	Model No.	List Price \$	Description
<b>DESKTOP/CONTROL STATIONS</b>			
V	MAMM-100MV	35.00	MANUAL, MAINT, OPERATOR/INSTALLATION, CS-7200, 700/800 MHz
V	MAMM-200MV	65.00	MANUAL, MAINT, CS-7200, 700/800 MHz
V	MAMM-07KCS	35.00	MANUAL, MAINT, OPERATOR/INSTALLATION, CS7000
V	MAMM-100DS	35.00	MANUAL, OPER/INSTAL, M7100 <sup>IP</sup> DESKTOP AND WALL MOUNT STATION
V	MAMM-200DS	65.00	MANUAL, MAINT, M7100 <sup>IP</sup> WALL MOUNT STATION
V	MAMM-300DS	65.00	MANUAL, MAINT, M7100 <sup>IP</sup> DESKTOP STATION
<b>STATION AND SITE EQUIPMENT</b>			
V	MAMM-100SK	35.00	MANUAL, INST, SKYMASTR BASE STATION
V	MAMM-700SK	65.00	MANUAL, MAINT, SKYMASTR BASE STATION, 700 MHZ
V	MAMM-800SK	65.00	MANUAL, MAINT, SKYMASTR BASE STATION, 800 MHZ
V	MAMM-900SK	65.00	MANUAL, MAINT, SKYMASTR BASE STATION, 900 MHZ
V	MAMM-200CS	35.00	MANUAL, MAINT, CELL SITE, 700, 800, 900 MHZ
V	MAMM-800CS	65.00	MANUAL, MAINT, OPENSKY CELL SITE
V	MAMM-764CS	65.00	MANUAL, MAINT, OPENSKY CELL SITE, 700 MHZ
V	MAMM-851CS	65.00	MANUAL, MAINT, OPENSKY CELL SITE, 800 MHZ
V	MAMM-935CS	65.00	MANUAL, MAINT, OPENSKY CELL SITE, 900 MHZ
V	MAMM-900SX	65.00	MANUAL, EDACS <sup>IP</sup> INTERFACE EQUIPMENT
V	MAMM-980SX	65.00	MANUAL, EDACS <sup>IP</sup> RF EQUIPMENT
V	MAMM-170SX	65.00	MANUAL, INSTALL, EDACS <sup>IP</sup> SITE
V	MAMM-160SX	35.00	MANUAL, INST, EDACS IP, TRANSMIT SITE
V	MAMM-400SA	65.00	MANUAL, MAINT, EDACS IP, SITE INTERFACE CABINET
V	MAMM-810SX	65.00	MANUAL, MAINT, EDACS IP, MASTR III CABINET, VHF
V	MAMM-840SX	65.00	MANUAL, MAINT, EDACS IP, MASTR III CABINET, UHF
V	MAMM-880SX	65.00	MANUAL, MAINT, EDACS IP, MASTR III CABINET, 800 MHZ
V	MAMM-010SR	35.00	MANUAL, INST, AUXILIARY RECEIVER, EDACS IP
V	MAMM-100SR	65.00	MANUAL, MAINT, AUXILIARY RECEIVER, EDACS IP, VHF
V	MAMM-400SR	65.00	MANUAL, MAINT, AUXILIARY RECEIVER, EDACS IP, UHF
V	MAMM-800SR	65.00	MANUAL, MAINT, AUXILIARY RECEIVER, EDACS IP, 800 MHZ



**TECHNICAL MANUALS**

E/C	Model No.	List Price \$	Description
<b>STATION AND SITE EQUIPMENT (CONT'D)</b>			
V .....	MM120SX .....	35.00 .....	MANUAL, INSTL, MASTR III ADC EDACS STATION
V .....	MM410SX .....	65.00 .....	MANUAL, MAINT, MASTR III ADC EDACS STATION, VHF
V .....	MM440SX .....	65.00 .....	MANUAL, MAINT, MASTR III ADC EDACS STATION, UHF
V .....	MM480SX .....	65.00 .....	MANUAL, MAINT, MASTR III ADC EDACS STATION, 800 MHZ
V .....	MM110SX .....	35.00 .....	MANUAL, INSTL, MASTR III ADC P25 CONVENTIONAL STATION
V .....	MM310SX .....	65.00 .....	MANUAL, MAINT, MASTR III ADC P25 CONVENTIONAL STATION, VHF
V .....	MM340SX .....	65.00 .....	MANUAL, MAINT, MASTR III ADC P25 CONVENTIONAL STATION, UHF
V .....	MM380SX .....	65.00 .....	MANUAL, MAINT, MASTR III ADC P25 CONVENTIONAL STATION, 800 MHZ
V .....	MM100SX .....	35.00 .....	MANUAL, INSTL, MASTR III ADC CONVENTIONAL STATION
V .....	MM210SX .....	65.00 .....	MANUAL, MAINT, MASTR III ADC CONVENTIONAL STATION, VHF
V .....	MM240SX .....	65.00 .....	MANUAL, MAINT, MASTR III ADC CONVENTIONAL STATION, UHF
V .....	MM280SX .....	65.00 .....	MANUAL, MAINT, MASTR III ADC CONVENTIONAL STATION, 800 MHZ
V .....	MM150SR .....	35.00 .....	MANUAL, INSTALL, MASTR III P25 AUXILIARY RECEIVER
V .....	MM710SR .....	65.00 .....	MANUAL, MAINT, MASTR III P25 AUXILIARY RECEIVER, VHF
V .....	MM740SR .....	65.00 .....	MANUAL, MAINT, MASTR III P25 AUXILIARY RECEIVER, UHF
V .....	MM780SR .....	65.00 .....	MANUAL, MAINT, MASTR III P25 AUXILIARY RECEIVER, 800 MHZ
V .....	MM130SX .....	35.00 .....	MANUAL, INSTL, EDACS MASTR E-NET ADC
V .....	MM510SX .....	65.00 .....	MANUAL, MAINT, MASTR E-NET ADC EDACS, VHF
V .....	MM540SX .....	65.00 .....	MANUAL, MAINT, MASTR E-NET ADC EDACS, UHF
V .....	MM580SX .....	65.00 .....	MANUAL, MAINT, MASTR E-NET ADC EDACS, 800 MHZ
V .....	MM001SR .....	35.00 .....	MANUAL, INSTL, MASTR III AUXILIARY RECEIVER
V .....	MM002SR .....	65.00 .....	MANUAL, MAINT, MASTR III AUXILIARY RECEIVER, VHF
V .....	MM003SR .....	65.00 .....	MANUAL, MAINT, MASTR III AUXILIARY RECEIVER, UHF
V .....	MM004SR .....	65.00 .....	MANUAL, MAINT, MASTR III AUXILIARY RECEIVER, 800 MHZ

**TECHNICAL MANUALS**

E/C	Model No.	List Price \$	Description
<b>STATION AND SITE EQUIPMENT (CONT'D)</b>			
V .....	MM001SA .....	65.00 .....	MANUAL, INSTL/MAINT, SITE INTERFACE MODULE (SIM)
V .....	MM001SC .....	210.00 .....	MANUAL, MAINT, EDACS GPS SIMULCAST
V .....	MAMM-002VP .....	65.00 .....	MANUAL, MAINT, EDACS COMPACT VERTICAL VOTER, SITEPRO
V .....	MM001VP .....	65.00 .....	MANUAL, MAINT, EDACS COMPACT VERTICAL VOTER
V .....	MM001VR .....	65.00 .....	MANUAL, MAINT, ANALOG VOTER
V .....	MAMM-100SV .....	35.00 .....	MANUAL, INSTALL MASTR V P25 TRUNKING BASE STATION
V .....	MAMM-110SV .....	65.00 .....	MANUAL, MAINT, MASTR V P25 TRUNKING SITE
V .....	MAMM-120SV .....	210.00 .....	MANUAL, MAINT, MASTR V P25 TRUNKED SIMULCAST
V .....	MM120SV-IP .....	210.00 .....	MANUAL, INSTAL, MASTR V IP SIMULCAST
V .....	MM130SV-IP .....	35.00 .....	MANUAL, INSTAL, MASTR V IP SMLCST, DCP
V .....	MM250SR-IP .....	35.00 .....	MANUAL, INSTAL, MASTR V IP AUX RX
V .....	MM250SR .....	35.00 .....	MANUAL, INSTAL, MASTR V AUX RX
V .....	MAMM-150SX .....	35.00 .....	MANUAL, INST, P25 TRUNKING, TRANSMIT SITE
V .....	MAMM-300SA .....	65.00 .....	MANUAL, MAINT, P25 TRUNKING, SITE INTERFACE CABINET
V .....	MAMM-710SX .....	65.00 .....	MANUAL, MAINT, P25 TRUNKING, MASTR III CABINET, VHF
V .....	MAMM-740SX .....	65.00 .....	MANUAL, MAINT, P25 TRUNKING, MASTR III CABINET, UHF
V .....	MAMM-780SX .....	65.00 .....	MANUAL, MAINT, P25 TRUNKING, MASTR III CABINET, 800 MHZ
V .....	MAMM-100SC .....	210.00 .....	MANUAL, MAINT, P25 SIMULCAST SYSTEM BINDERS, VHF
V .....	MAMM-400SC .....	210.00 .....	MANUAL, MAINT, P25 SIMULCAST SYSTEM BINDERS, UHF
V .....	MAMM-800SC .....	210.00 .....	MANUAL, MAINT, P25 SIMULCAST SYSTEM BINDERS, 800 MHZ
V .....	MM100SV-CV .....	35.00 .....	MANUAL, INSTAL, MASTR V P25C IP REPEATER
V .....	MM120SV-CV .....	210.00 .....	MANUAL, INSTAL, MASTR V P25C IP SIMULCAST
V .....	MM250SR-CV .....	35.00 .....	MANUAL, INSTAL, MASTR V P25C IP AUX RX
V .....	MAMM-1CDXX .....	25.00 .....	MANUAL, SITE GROUNDING LIGHTNING PROTECTION, CD
V .....	MAMM-100XX .....	65.00 .....	MANUAL, SITE GROUNDING PROTECTION, BLACK & WHITE
V .....	MAMM-110XX .....	85.00 .....	MANUAL, SITE GROUNDING PROTECTION, COLOR
V .....	MAMM-100SG .....	35.00 .....	MANUAL, INSTALL, SITE PREP GUIDELINES

**TECHNICAL MANUALS**

<b>E/C</b>	<b>Model No.</b>	<b>List Price \$</b>	<b>Description</b>
<b>NETWORK SWITCHING AND MANAGEMENT</b>			
V .....	MM100NS .....	25.00 .....	MANUAL, PRODUCT, VIDA PREMIER SYS ON DVD
V .....	MM200NS .....	25.00 .....	MANUAL, PRODUCT, VIDA SYSTEM ON CD
V .....	MM300NS .....	25.00 .....	MANUAL, PRODUCT, VIDA SYS 10A.1 ON CD
V .....	MM400NS .....	25.00 .....	MANUAL, PRODUCT, VIDA SYS 10A.2 ON CD
V .....	MM500NS .....	25.00 .....	MANUAL, PRODUCT, VIDA SYS 10A.3 ON CD
V .....	MM600NS .....	25.00 .....	MANUAL, PRODUCT, VIDA SYS 10A.4 ON CD
V .....	MM100NG .....	25.00 .....	MANUAL, PROD, VIDA FOUNDATION SYS ON DVD
V .....	MM200NG .....	25.00 .....	MANUAL, PROD, VIDA FOUNDATION W/NF ON DVD
V .....	MAMM-400VM .....	65.00 .....	MANUAL, PRODUCT, VIDA CONSOLE EXCHANGE
V .....	MM100VS .....	35.00 .....	MANUAL, INSTAL/CONFIG, VIDA SECURITY
V .....	MAMM-610NA .....	160.00 .....	MANUAL, OPER/INST P25 TRUNKING SYSTEM/NETWORK BUNDLE
V .....	MAMM-200NM .....	35.00 .....	MANUAL, INST/CONFIG, REGIONAL SITE MANAGER (RSM)
V .....	MAMM-100NM .....	35.00 .....	MANUAL, OPER/INST, CENTRALIZED NETWORK MANAGER AND REGIONAL NETWORK MANAGER
V .....	MAMM-300NM .....	35.00 .....	MANUAL, INST/CONF, OVER-THE-AIR REKEYING (OTAR)
V .....	MAMM-200NA .....	35.00 .....	MANUAL, OPER/INST, UNIFIED ADMINISTRATION SYSTEM (UAS)
V .....	MAMM-100NS .....	35.00 .....	MANUAL, INST/CONF, NETWORK SWITCHING SERVER (NSS)
V .....	MAMM-100NG .....	35.00 .....	MANUAL, INST, OPENSky INTEROPERABILITY
V .....	MAMM-300NG .....	65.00 .....	MANUAL, MAINT, 4-SLOT, INTEROPERABILITY GATEWAY
V .....	MM100MS .....	35.00 .....	MANUAL, PRODUCT, EDACS MIGRATION GATEWAY
V .....	MAMM-400NM .....	35.00 .....	MANUAL, INST/CONFIG, REGIONAL VIDA MANAGER
V .....	MAMM-100ME .....	35.00 .....	MANUAL, INSTL, IpMC
V .....	MAMM-200ME .....	65.00 .....	MANUAL, MAINT, IpMC
V .....	MAMM-005NW .....	35.00 .....	MANUAL, OPER/INSTL, CENTRALIZED TELEPHONE INTERCONNECT (CTI)

**TECHNICAL MANUALS**

E/C	Model No.	List Price \$	Description
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**DISPATCH SYSTEMS/CONSOLES**

V .....	MM100UD .....	25.00 .....	MANUAL, OP/INSTA/CONFIG, SYMPHONY, CD
V .....	MM200UD .....	25.00 .....	MANUAL, OP/INSTA/CONFIG, MIP, W/SYMPHONY, CD
V .....	MAMM-200UC .....	65.00 .....	MANUAL, MAINT, C3 MAESTRO <sup>IP</sup>
V .....	MM200UC-CD .....	25.00 .....	MANUAL, OPER/INSTA, C3 MAESTRO <sup>IP</sup> , CD
V .....	MAMM-100UC .....	65.00 .....	MANUAL, OPER/INSTALL, V <sup>IP</sup> CONSOLE
V .....	MM100UC-CD .....	25.00 .....	MANUAL, PRODUCT, V <sup>IP</sup> DISPATCH, CD
V .....	MM003CR .....	35.00 .....	MANUAL, TECHNICAL REFERENCE, CADLINK II

**APPLICATIONS**

V .....	MM100BN .....	35.00 .....	MANUAL, USER, BEON CLIENT
V .....	MM200BN .....	25.00 .....	MANUAL, PRODUCT, BEON UNITE ON CD
V .....	MM300BN .....	35.00 .....	MANUAL, PRODUCT, BEON SERVERS

**XL-200P PORTABLES**

Band: VHF, UHF, 700/800

Product Code: XL



**Midnight Black  
Full Keypad**

**Black-Yellow  
Full Keypad**

**Green  
Full Keypad**

The XL-200P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Analog Conventional systems.

**All XL-200P orders must be placed through the Product Configurator. The following is for information only.**

**Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.**

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type and Frequency Range) (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>Full Keypad</b>			
C .....	XL-PFM1M-NA .....	4,030.00 .....	PORTABLE, XL-200P, FKP, BLK, US, NA
C .....	XL-PFM2M-NA .....	4,030.00 .....	PORTABLE, XL-200P, FKP, BLK, NRB, NA
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XL-PFM2M-INTL .....	4,030.00 .....	PORTABLE, XL-200P, FKP, BLK, NRB, INTL
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XL-PFM1Y-NA .....	4,030.00 .....	PORTABLE, XL-200P, FKP, YEL, US, NA
C .....	XL-PFM2Y-NA .....	4,030.00 .....	PORTABLE, XL-200P, FKP, YEL, NRB, NA
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XL-PFM2Y-INTL .....	4,030.00 .....	PORTABLE, XL-200P, FKP, YEL, NRB, INTL
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XL-PFM1P-NA .....	4,030.00 .....	PORTABLE, XL-200P, FKP, PGRN, US, NA
C .....	XL-PFM2P-NA .....	4,030.00 .....	PORTABLE, XL-200P, FKP, PGRN, NRB, NA
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XL-PFM2P-INTL .....	4,030.00 .....	PORTABLE, XL-200P, FKP, PGRN, NRB, INTL
			Non-rebanded radios support frequencies up to 870 MHz
<b>Frequency Range</b>			
NB .....	XL-PKGF1 .....	1,500.00 .....	FEATURE PACKAGE, ALL BANDS, V+U+7/800
NB .....	XL-PKGF2 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, VHF+UHF
NB .....	XL-PKGF3 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, VHF+7/800
NB .....	XL-PKGF4 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, UHF+7/800
N .....	XL-PL4L .....	0.01 .....	FEATURE, SINGLE BAND, 7/800
N .....	XL-PL4K .....	0.01 .....	FEATURE, SINGLE BAND, UHF
N .....	XL-PL4J .....	0.01 .....	FEATURE, SINGLE BAND, VHF

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**Latest Products and Pricing on the Web**  
<https://premier.pspc.harris.com/infocenter/>



## XL-200P PORTABLES

Band: VHF, UHF, 700/800/900

Product Code: XL



**Midnight Black  
Partial Keypad**

**Black-Yellow  
Partial Keypad**

**Green  
Partial Keypad**

The XL-200P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-200P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type and Frequency Range) (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>Partial Keypad</b>			
C.....	XL-PPM1M-NA .....	3,830.00 .....	PORTABLE, XL-200P, PKP, BLK, US, NA
C.....	XL-PPM2M-NA .....	3,830.00 .....	PORTABLE, XL-200P, PKP, BLK, NRB, NA
			Non-rebanded radios support frequencies up to 870 MHz
C.....	XL-PPM2M-INTL.....	3,830.00 .....	PORTABLE, XL-200P, PKP, BLK, NRB, INTL
			Non-rebanded radios support frequencies up to 870 MHz
C.....	XL-PPM1Y-NA .....	3,830.00 .....	PORTABLE, XL-200P, PKP, YEL, US, NA
C.....	XL-PPM2Y-NA .....	3,830.00 .....	PORTABLE, XL-200P, PKP, YEL, NRB, NA
			Non-rebanded radios support frequencies up to 870 MHz
C.....	XL-PPM2Y-INTL .....	3,830.00 .....	PORTABLE, XL-200P, PKP, YEL, NRB, INTL
			Non-rebanded radios support frequencies up to 870 MHz
C.....	XL-PPM1P-NA .....	3,830.00 .....	PORTABLE, XL-200P, PKP, PGRN, US, NA
C.....	XL-PPM2P-NA .....	3,830.00 .....	PORTABLE, XL-200P, PKP, PGRN, NRB, NA
			Non-rebanded radios support frequencies up to 870 MHz
C.....	XL-PPM2P-INTL .....	3,830.00 .....	PORTABLE, XL-200P, PKP, PGRN, NRB, INTL
			Non-rebanded radios support frequencies up to 870 MHz
<b>Frequency Range</b>			
NB.....	XL-PKGF1 .....	1,500.00 .....	FEATURE PACKAGE, ALL BANDS, V+U+7/800
NB.....	XL-PKGF2 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, VHF+UHF
NB.....	XL-PKGF3 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, VHF+7/800
NB.....	XL-PKGF4 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, UHF+7/800
N .....	XL-PL4L .....	0.01 .....	FEATURE, SINGLE BAND, 7/800
N .....	XL-PL4K .....	0.01 .....	FEATURE, SINGLE BAND, UHF
N .....	XL-PL4J .....	0.01 .....	FEATURE, SINGLE BAND, VHF

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**Latest Products and Pricing on the Web**  
<https://premier.pspc.harris.com/infocenter/>



## XL-200P PORTABLES

Band: VHF, UHF, 700/800/900

Product Code: XL



**Midnight Black**  
**Full Keypad**

**Black-Yellow**  
**Full Keypad**

**Green**  
**Full Keypad**

The XL-200P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-200P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type and Frequency Range) (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>Full Keypad</b>			
C .....	XL-PFM1M-LTE .....	3,885.00 .....	PORTABLE, XL-200P, FULL, MIDNT BLK, US, LTE
C .....	XL-PFM1Y-LTE .....	3,885.00 .....	PORTABLE, XL-200P, FULL, BLK-YEL, US, LTE
C .....	XL-PFM2M-LTE .....	3,885.00 .....	PORTABLE, XL-200P, FULL, MIDNT BLK, NRB, LTE
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XL-PFM2Y-LTE .....	3,885.00 .....	PORTABLE, XL-200P, FULL, BLK-YEL, NRB, LTE
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XL-PFM2P-LTE .....	3,885.00 .....	PORTABLE, XL-200P, FULL, PGRN, NRB, LTE
			Non-rebanded radios support frequencies up to 870 MHz
<b>Frequency Range</b>			
NB .....	XL-PKGF1 .....	1,500.00 .....	FEATURE PACKAGE, ALL BANDS, V+U+7/800
NB .....	XL-PKGF2 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, VHF+UHF
NB .....	XL-PKGF3 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, VHF+7/800
NB .....	XL-PKGF4 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, UHF+7/800
N .....	XL-PL4L .....	0.01 .....	FEATURE, SINGLE BAND, 7/800
N .....	XL-PL4K .....	0.01 .....	FEATURE, SINGLE BAND, UHF
N .....	XL-PL4J .....	0.01 .....	FEATURE, SINGLE BAND, VHF

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## XL-200P PORTABLES

Band: VHF, UHF, 700/800/900

Product Code: XL



**Midnight Black  
Partial Keypad**

**Black-Yellow  
Partial Keypad**

**Green  
Partial Keypad**

The XL-200P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-200P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type and Frequency Range) (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>Partial Keypad</b>			
C.....	XL-PPM1M-LTE.....	3,685.00	PORTABLE, XL-200P, PART, MIDNT BLK, US, LTE
C.....	XL-PPM1Y-LTE .....	3,685.00	PORTABLE, XL-200P, PART, BLK-YEL, US, LTE
C.....	XL-PPM2M-LTE.....	3,685.00	PORTABLE, XL-200P, PART, MIDNT BLK, NRB, LTE
			Non-rebanded radios support frequencies up to 870 MHz
C.....	XL-PPM2Y-LTE .....	3,685.00	PORTABLE, XL-200P, PART, BLK-YEL, NRB, LTE
			Non-rebanded radios support frequencies up to 870 MHz
C.....	XL-PPM2P-LTE.....	3,685.00	PORTABLE, XL-200P, PART, PGRN, NRB, LTE
			Non-rebanded radios support frequencies up to 870 MHz
<b>Frequency Range</b>			
NB.....	XL-PKGF1 .....	1,500.00	FEATURE PACKAGE, ALL BANDS, V+U+7/800
NB.....	XL-PKGF2 .....	1,000.00	FEATURE PACKAGE, DUAL BAND, VHF+UHF
NB.....	XL-PKGF3 .....	1,000.00	FEATURE PACKAGE, DUAL BAND, VHF+7/800
NB.....	XL-PKGF4 .....	1,000.00	FEATURE PACKAGE, DUAL BAND, UHF+7/800
N .....	XL-PL4L.....	0.01	FEATURE, SINGLE BAND, 7/800
N .....	XL-PL4K .....	0.01	FEATURE, SINGLE BAND, UHF
N .....	XL-PL4J .....	0.01	FEATURE, SINGLE BAND, VHF

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**XL-200P PORTABLES**

Band: VHF, UHF, 700/800/900

Product Code: XL



**Midnight Black**  
**Full Keypad**

**Black-Yellow**  
**Full Keypad**

**Green**  
**Full Keypad**

The XL-200P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-200P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type and Frequency Range) (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>Full Keypad</b>			
C .....	XL-PFM1M-C1D1 .....	3,250.00 .....	PORTABLE, XL-200P, FULL, MID BLK, US, C1D1
C .....	XL-PFM1Y-C1D1 .....	3,250.00 .....	PORTABLE, XL-200P, FULL, BLK-YEL, US, C1D1
C .....	XL-PFM1P-C1D1 .....	3,250.00 .....	PORTABLE, XL-200P, FULL, PGRN, US, C1D1
C .....	XL-PFM2M-C1D1 .....	3,250.00 .....	PORTABLE, XL-200P, FULL, MIDNT BLK, NRB, C1D1 Non-rebanded radios support frequencies up to 870 MHz
C .....	XL-PFM2Y-C1D1 .....	3,250.00 .....	PORTABLE, XL-200P, FULL, BLK-YEL, NRB, C1D1 Non-rebanded radios support frequencies up to 870 MHz
C .....	XL-PFM2P-C1D1 .....	3,250.00 .....	PORTABLE, XL-200P, FULL, PGRN, NRB, C1D1 Non-rebanded radios support frequencies up to 870 MHz
<b>Frequency Range</b>			
NB .....	XL-PKGF1 .....	1,500.00 .....	FEATURE PACKAGE, ALL BANDS, V+U+7/800
NB .....	XL-PKGF2 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, VHF+UHF
NB .....	XL-PKGF3 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, VHF+7/800
NB .....	XL-PKGF4 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, UHF+7/800
N .....	XL-PL4L .....	0.01 .....	FEATURE, SINGLE BAND, 7/800
N .....	XL-PL4K .....	0.01 .....	FEATURE, SINGLE BAND, UHF
N .....	XL-PL4J .....	0.01 .....	FEATURE, SINGLE BAND, VHF

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## XL-200P PORTABLES

Band: VHF, UHF, 700/800/900

Product Code: XL



**Midnight Black  
Partial Keypad**

**Black-Yellow  
Partial Keypad**

**Green  
Partial Keypad**

The XL-200P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-200P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type and Frequency Range) (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>Partial Keypad</b>			
C.....	XL-PPM1M-C1D1 .....	3,050.00 .....	PORTABLE, XL-200P, PARTIAL, MID BLK, US, C1D1
C.....	XL-PPM1Y-C1D1 .....	3,050.00 .....	PORTABLE, XL-200P, PARTIAL, BLK-YEL, US, C1D1
C.....	XL-PPM1P-C1D1 .....	3,050.00 .....	PORTABLE, XL-200P, PART, PGRN, US, C1D1
C.....	XL-PPM2M-C1D1 .....	3,050.00 .....	PORTABLE, XL-200P, PART, MIDNT BLK, NRB, C1D1
			Non-rebanded radios support frequencies up to 870 MHz
C.....	XL-PPM2Y-C1D1 .....	3,050.00 .....	PORTABLE, XL-200P, PART, BLK-YEL, NRB, C1D1
			Non-rebanded radios support frequencies up to 870 MHz
C.....	XL-PPM2P-C1D1 .....	3,050.00 .....	PORTABLE, XL-200P, PART, PGRN, NRB, C1D1
			Non-rebanded radios support frequencies up to 870 MHz

### Frequency Range

NB.....	XL-PKGF1 .....	1,500.00 .....	FEATURE PACKAGE, ALL BANDS, V+U+7/800
NB.....	XL-PKGF2 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, VHF+UHF
NB.....	XL-PKGF3 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, VHF+7/800
NB.....	XL-PKGF4 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, UHF+7/800
N .....	XL-PL4L .....	0.01 .....	FEATURE, SINGLE BAND, 7/800
N .....	XL-PL4K .....	0.01 .....	FEATURE, SINGLE BAND, UHF
N .....	XL-PL4J .....	0.01 .....	FEATURE, SINGLE BAND, VHF

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**XL-200P PORTABLES**

Band: VHF, UHF, 700/800/900

Product Code: XL



**Midnight Black**  
**Full Keypad**

**Black-Yellow**  
**Full Keypad**

**Green**  
**Full Keypad**

The XL-200P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-200P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type and Frequency Range) (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>Full Keypad</b>			
C .....	XL-PFM1M .....	2,900.00 .....	PORTABLE, XL-200P, FULL, MIDNT BLK, US
C .....	XL-PFM1Y .....	2,900.00 .....	PORTABLE, XL-200P, FULL, BLK-YEL, US
C .....	XL-PFM1P .....	2,900.00 .....	PORTABLE, XL-200P, FULL, PGRN, US
C .....	XL-PFM2M .....	2,900.00 .....	PORTABLE, XL-200P, FULL, MIDNT BLK, NRB Non-rebanded radios support frequencies up to 870 MHz
C .....	XL-PFM2Y .....	2,900.00 .....	PORTABLE, XL-200P, FULL, BLK-YEL, NRB Non-rebanded radios support frequencies up to 870 MHz
C .....	XL-PFM2P .....	2,900.00 .....	PORTABLE, XL-200P, FULL, PGRN, NRB Non-rebanded radios support frequencies up to 870 MHz
<b>Frequency Range</b>			
NB .....	XL-PKGF1 .....	1,500.00 .....	FEATURE PACKAGE, ALL BANDS, V+U+7/800
NB .....	XL-PKGF2 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, VHF+UHF
NB .....	XL-PKGF3 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, VHF+7/800
NB .....	XL-PKGF4 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, UHF+7/800
N .....	XL-PL4L .....	0.01 .....	FEATURE, SINGLE BAND, 7/800
N .....	XL-PL4K .....	0.01 .....	FEATURE, SINGLE BAND, UHF
N .....	XL-PL4J .....	0.01 .....	FEATURE, SINGLE BAND, VHF

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## XL-200P PORTABLES

Band: VHF, UHF, 700/800/900

Product Code: XL



**Midnight Black  
Partial Keypad**

**Black-Yellow  
Partial Keypad**

**Green  
Partial Keypad**

The XL-200P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-200P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type and Frequency Range) (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>Partial Keypad</b>			
C.....	XL-PPM1M .....	2,700.00 .....	PORTABLE, XL-200P, PARTIAL, MIDNT BLK, US
C.....	XL-PPM1Y .....	2,700.00 .....	PORTABLE, XL-200P, PARTIAL, BLK-YEL, US
C.....	XL-PPM1P .....	2,700.00 .....	PORTABLE, XL-200P, PART, PGRN, US
C.....	XL-PPM2M .....	2,700.00 .....	PORTABLE, XL-200P, PART, MIDNT BLK, NRB Non-rebanded radios support frequencies up to 870 MHz
C.....	XL-PPM2Y .....	2,700.00 .....	PORTABLE, XL-200P, PART, BLK-YEL, NRB Non-rebanded radios support frequencies up to 870 MHz
C.....	XL-PPM2P .....	2,700.00 .....	PORTABLE, XL-200P, PART, PGRN, NRB Non-rebanded radios support frequencies up to 870 MHz
<b>Frequency Range</b>			
NB.....	XL-PKGF1 .....	1,500.00 .....	FEATURE PACKAGE, ALL BANDS, V+U+7/800
NB.....	XL-PKGF2 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, VHF+UHF
NB.....	XL-PKGF3 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, VHF+7/800
NB.....	XL-PKGF4 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, UHF+7/800
N .....	XL-PL4L.....	0.01 .....	FEATURE, SINGLE BAND, 7/800
N .....	XL-PL4K .....	0.01 .....	FEATURE, SINGLE BAND, UHF
N .....	XL-PL4J .....	0.01 .....	FEATURE, SINGLE BAND, VHF

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**XL-200P PORTABLES**

Band: VHF, UHF, 700/800/900  
 Product Code: XL

**Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.**

E/C	Model No.	List Price \$	Description
<b>2. Antenna (Select one)</b>			
N .....	XL-NC5Z .....	110.00 .....	ANTENNA, FLEX, HELICAL, 136-870 MHZ
N .....	XL-NC8E .....	60.00 .....	ANTENNA, WHIP, DUAL-BAND, UHF/700/800 MHZ
N .....	XL-NC8D .....	45.00 .....	ANTENNA, WHIP, 1/2 WAVE 762-870 MHZ
N .....	XL-NC8F .....	40.00 .....	ANTENNA, WHIP, 1/4 WAVE, 762-870 MHZ
<b>3. Immersible Mode (This feature upgrades the radio to Immersible operation)</b>			
N .....	XL-PKGMR .....	240.00 .....	OPTION, IMMERSIBLE RADIO OPERATION (applies to any Operational Mode Feature Package)
<b>4. Operational Mode Packages*</b>			
NB .....	XL-P25ED .....	2,000.00 .....	FEATURE PACKAGE, P25 AND EDACS TRUNKING EDACS includes analog trunking, ProVoice™ digital trunking, Status Message, and Extended Addressing (EA). Supports 800 MHz 9600 Wideband for EDACS only. Does not support any form of EDACS on VHF/UHF
NB .....	XL-PKGPT .....	1,500.00 .....	FEATURE PACKAGE, P25 TRUNKING Includes Phase 1 Trunking and Status Message
NB .....	XL-PKGED .....	1,500.00 .....	FEATURE PACKAGE, EDACS TRUNKING Includes analog trunking, ProVoice™ digital trunking, and Extended Addressing (EA). Supports 800 MHz 9600 Wideband for EDACS only. Does not support any form of EDACS on VHF/UHF
N .....	XL-LTE-NA-UG .....	1,445.00 .....	UPGRDE KIT, XL-200P, LTE, NA MODEM Provides a kitted module for fielded radios manufactured after 2/2020. If installation at a Harris facility is desired, must include Harris labor for upgrade.
N .....	XL-LTE-INTL-UG .....	1,445.00 .....	UPGRDE KIT, XL-200P, LTE, INTL MODEM Provides a kitted module for fielded radios manufactured after 2/2020. If installation at a Harris facility is desired, must include Harris labor for upgrade.
N .....	XL-LTE-FACUG .....	1,790.00 .....	FACTORY UPGRDE, LTE NA MODEM Provides an LTE module installed in the replacement radio for the customer's returned radio manufactured between 9/2015 and 2/2017.

**\*All Trunking Operational Mode Packages include Emergency, Dynamic Regroup, ProScan™, Priority System Scan, and 1024 systems/groups.**

**XL-200P PORTABLES**

Band: VHF, UHF, 700/800/900  
 Product Code: XL

E/C	Model No.	List Price \$	Description
<b>4. Operational Mode Packages* (Cont'd)</b>			
N	.....XL-LTE-NA-LUG.....	1,645.00	.....LEGACY UPGRDE KIT, XL-200P, LTE, NA MODEM Provides a kitted module for fielded radios manufactured between 2/2017 and 2/2020. If installation at a Harris facility is desired, must include Harris labor for upgrade.
N	.....XL-LTE-INTL-LUG.....	1,645.00	.....LEGACY UPGRDE KIT, XL-200P, LTE, INTL MODEM Provides a kitted module for fielded radios manufactured between 2/2017 and 2/2020. If installation at a Harris facility is desired, must include Harris labor for upgrade.
N	.....BM-PKGCL-XL	335.00	.....APP, BEON XL RADIO FAMILY BeOn Client License enabling the LTE radio to provide PTT over LTE or WiFi networks. A BeOn Server is required to enable this option.
*All Trunking Operational Mode Packages include Emergency, Dynamic Regroup, ProScan™, Priority System Scan, and 1024 systems/groups.			
<b>5. SIM Cards</b>			
N	.....XL-SV1V	10.00	.....BROADBAND, SIM CARD, VERIZON Removable Nano SIM that can be purchased separately and added to LTE-capable devices. A non-removable embedded SIM is included and added to LTE-capable radios manufactured after October 25, 2019
N	.....XL-SV1T	10.00	.....BROADBAND, SIM CARD, AT&T Removable Nano SIM that can be added through the product configurator
N	.....XL-SV1F	10.00	.....BROADBAND, SIM CARD, FIRSTNET Removable Nano SIM that can be added through the product configurator. Broadband Managed Services is not an option for FirstNet services. Please contact your cognizant AT&T consultant to activate devices on FirstNet.
<b>6. Broadband Managed Services Options**</b>			
N	.....SB-SV1D	10.00	.....BROADBAND, LINE OF SERVICE, 1 MONTH
N	.....SB-SV1G	13.00	.....BROADBAND, 1GB DATA
**An agreement will need to be executed between Harris and the end user before purchasing. The agreement can be found here:			
<a href="https://premier.pspc.harris.com/infocenter/broadband/Broadband%20managed%20service%20agreement%2020190204.pdf">https://premier.pspc.harris.com/infocenter/broadband/Broadband%20managed%20service%20agreement%2020190204.pdf</a>			
<b>7. HazLoc Options</b>			
N	.....XL-PA2A	225.00	.....BATTERY, LION, 3100, HAZLOC RADIO C1D2, UL This option upgrades the radio to UL Class 1 Division 2 hazardous locations. It equips the radio with the necessary markings and a UL battery. This battery is certified for use with LTE-enabled XL radios on the Verizon LTE network.
N	.....XL-PA4L	260.00	.....BATT, LION, 4800, HI-CAP, HAZLOC RADIO C1D2 This option upgrades the radio to UL Class 1 Division 2 hazardous locations. It equips the radio with the necessary markings and a UL high capacity battery.



## XL-200P PORTABLES

Band: VHF, UHF, 700/800/900  
 Product Code: XL

E/C	Model No.	List Price \$	Description
<b>8. Encryption Options*</b>			
N .....	XL-PL4U .....	0.01 .....	FEATURE, SINGLE-KEY DES ENCRYPTION**
N .....	XL-PL9E .....	0.01 .....	FEATURE, SINGLE-KEY AES ENCRYPTION**
N .....	XL-PL8Y .....	0.01 .....	FEATURE, ENCRYPTION LITE***
N .....	XL-PL4D .....	240.00 .....	FEATURE, DES-CFB
N .....	XL-PKG8F .....	695.00 .....	FEATURE, 256-AES, 64-DES ENCRYPTION
*Ordering multi-key AES provides full P25 CAP compliance.			
**Single-Key DES and Single-Key AES are available for P25 Conventional and P25 Trunked operation. Neither is available for EDACS operation.			
***Encryption Lite is standard on digital operational modes and is not available on EDACS. Encryption Lite must be selected in the Product Configurator.			
<b>Option for AES Encrypted Radios</b>			
N .....	XL-PL7J .....	1.00 .....	FEATURE, FIPS 140-2 OPERATION LEVEL 1
<b>9. Software Features</b>			
<b>Software Options</b>			
N .....	XL-PL4E .....	240.00 .....	FEATURE, CONVENTIONAL VOTE SCAN
N .....	XL-PL8R .....	100.00 .....	FEATURE, RF SAFE When option is enabled, the radio is always in RF Safe mode (0.1W) and is locked at 0.1W power
N .....	XL-FW2X .....	0.01 .....	OPERATION, LOAD NIFOG PERSONALITY
<b>P25 Software Options</b>			
N .....	XL-PL5L .....	595.00 .....	FEATURE, P25 OTAR (OVER-THE-AIR-REKEYING)
N .....	XL-PL9L .....	595.00 .....	FEATURE, HIGH VELOCITY DATA TDMA
NB .....	XL-PKGPDP .....	330.00 .....	FEATURE PACKAGE, P25 DATA Includes MDT and Radio TextLink
N .....	XL-PL9N .....	285.00 .....	FEATURE, TDMA CC
N .....	XL-PL5K .....	265.00 .....	FEATURE, ProFile™ OTAP OVER-THE-AIR PRGM
N .....	XL-PL9K .....	250.00 .....	FEATURE, VIDA ID
N .....	XL-PL4F .....	250.00 .....	FEATURE, P25 PHASE 2, TDMA
N .....	XL-PL8N .....	250.00 .....	FEATURE, IN-BAND GPS
N .....	XL-PL9F .....	250.00 .....	FEATURE, P25C FALLBACK/MS FAILSOFT Required for Motorola customers using P25C Failsoft on a Motorola System. This feature is not needed for Harris-only systems
N .....	XL-PL9G .....	250.00 .....	FEATURE, 3000 ALIASES When feature is enabled, users can write all 3000 configured aliases to the radio without incident. When feature is not enabled, users will only be able to use the I-Call list of 255 entries maximum
N .....	XL-PL9H .....	175.00 .....	FEATURE, 250 ZONES Enable this feature if planning to configure radio with more than 50 zones. RPM2 can configure up to 250 zones; however, radio will only store the first 50 if this feature is not enabled.
N .....	XL-PL8M .....	150.00 .....	FEATURE, EDATA
N .....	XL-LLA .....	100.00 .....	FEATURE, LINK LAYER AUTHENTICATION
N .....	XL-SP2V .....	0.01 .....	FEATURE, FEDERAL/INTERNATIONAL STANDARD This feature can only be configured for customers that are NOT FCC regulated such as Federal (NTIA) and International customers

**XL-200P PORTABLES**

Band: VHF, UHF, 700/800/900  
 Product Code: XL

E/C	Model No.	List Price \$	Description
<b>10. Battery (Select one)</b>			
For best battery lifecycle quality, shipment of batteries near deployment is advised. For deployment schedules greater than 9 months, shipping batteries separately, at a later date, is recommended. Storing battery packs is not recommended because the chemicals in the battery degrade over time and this affects the functionality of the battery. Batteries that have been stored for longer than their warranty period (12 months) may become non-functional and will not be covered under the L3Harris battery warranty.			
N	XL-PA4K	175.00	BATTERY, LI-ION, HI-CAPACITY, 4800 MAH
N	XL-PA4M	205.00	BATTERY, LI-ION, HI-CAPACITY, 4800 MAH, C1D2 For use as a spare UL C1D2 high-capacity battery with XL-PA4L. Ordering this UL battery for use with a non-HazLoc radio does not produce a HazLoc radio
N	XL-PA3V	150.00	BATTERY, LI-ION, 3100 MAH
N	XL-PA4J	200.00	BATTERY, LI-ION, 3100 MAH, UL, C1D1
N	XL-PA3X	175.00	BATTERY, LI-ION, 3100 MAH, UL For use as a spare battery with UL C1D2 radio option XL-PA2A. Ordering this UL battery for use with a non-HazLoc radio does not produce a HazLoc radio. This battery is certified for use with LTE-enabled XL radios on the Verizon LTE network.

**11. Chargers****Rapid Chargers**

N	XL-CH5L	245.00	CHARGER, DESKTOP, 2-BAY, XL-200P
N	XL-CH4X	170.00	CHARGER, 1-BAY
N	XL-CH4Z	15.00	KIT, RSM HANGER, 1-BAY DESK CHARGER
N	XL-CH4Y	10.00	KIT, GANG PLATE, 1-BAY DESK CHARGER
N	XL-CH5A	895.00	CHARGER, 6-BAY
N	XL-CH5B	215.00	WALL MOUNT KIT, CHARGER, 6-BAY, XL-200P
S	AT6085A	895.00	CHARGER, 12 BAY, LITHIUM, XL Charges batteries only. Does not charge radios with batteries attached

**Vehicular Chargers**

N	XL-CH4W	200.00	CHARGER, VC4000
N	XL-PS9X	35.00	POWER ADAPTER KIT, VC4000 CHARGER
N	XL-CH5M	1,499.00	ENH VEH CHGR, XL, STANDARD* For use with standard or Verizon LTE-equipped XL portables using standard capacity (3100 mAh) batteries.
N	XL-CH5N	1,499.00	ENH VEH CHGR, XL, HIGH CAPACITY* For use with standard or Verizon LTE-equipped XL portables using high capacity (4800 mAh) batteries.
N	XL-CH5R	1,499.00	ENH VEH CHGR, XL, HAZLOC* For use with UL C1D1 rated XL portables using the L3Harris UL C1D1 rated HazLoc battery.

\*The Enhanced Vehicular Charger currently supports Standard (not LTE equipped), C1D1, and Verizon LTE XL portable models used on 700, 800, or 900 MHz systems; support for VHF/UHF bands and Global LTE models is coming soon.



**XL-200P PORTABLES**

Band: VHF, UHF, 700/800/900  
 Product Code: XL

E/C	Model No.	List Price \$	Description
<b>12. Audio Accessories</b>			
N .....	XL-CJ4B.....	225.00 .....	ADAPTER, 6-PIN HIROSE, EXT CABLE
N .....	XL-AE1S.....	179.00 .....	BLUETOOTH, COVERT, EARPIECE/MIC/PTT
<b>Speaker Microphones</b>			
N .....	XL-AE1T.....	630.00 .....	SPKR MIC, PREMIUM, FIRE, NC
N .....	XL-AE1X.....	630.00 .....	SPKR MIC, PREM, FIRE, NC, HI-VIS-YELLOW
N .....	XL-AE2W .....	399.00 .....	SPEAKER MIC, 500F, XL-200P For use with all XL-200P portables, including UL C1D2 and UL C1D1 Hazardous Location rated
N .....	XL-AE2K .....	300.00 .....	MICROPHONE, ANTENNA SPEAKER, EMRG, 18 IN
N .....	XL-AE2J.....	300.00 .....	MICROPHONE, ANTENNA SPEAKER, EMRG, 25.6 IN
N .....	XL-AE2L.....	300.00 .....	MICROPHONE, ANTENNA SPEAKER, EMRG, 30 IN
N .....	XL-AE1V .....	299.00 .....	SPEAKER MIC, WIRELESS, BLUETOOTH, ADVANCED
N .....	XL-AE2T.....	299.00 .....	SPEAKER MIC, WIRELESS, BLUETOOTH, ADV, ANZ For use in Australia and New Zealand
N .....	XL-AE4B .....	225.00 .....	SPEAKER MICROPHONE, EMERG BUTTON
N .....	XL-AE9N .....	195.00 .....	SPEAKER MICROPHONE
N .....	XL-AE2V .....	190.00 .....	SPEAKER MIC, REVO NC2, C1D2 Features passive noise cancellation, IP-68 immersion, 360-degree clothing clip, 2.5mm earphone jack, PTT/emergency buttons, and Hi/Lo volume slider switch. UL C1D2 HazLoc rating for use with UL C1D2 rated XL portables
N .....	XL-AE1K .....	65.00 .....	EARPHONE, SPEAKER MIC, RIGHT ANGLE, 2.5MM Includes the Cable with 2.5 mm Plug, Transducer, Acoustic Tube, and Earpiece
N .....	XL-AE3Z.....	65.00 .....	EARPHONE, LAPEL MICROPHONE For use with Speaker Mics that have an earphone jack
<b>Surveillance Accessories</b>			
N .....	XL-AE1L.....	825.00 .....	SKULL MIC, W/BODY PTT & EARCUP
N .....	XL-AE1M.....	650.00 .....	THROAT MIC, W/ACOUSTIC TUBE, BODY & RING PTT
N .....	XL-AE1N .....	600.00 .....	THROAT MIC, W/ACOUSTIC TUBE & BODY PTT
<b>Subminiature Remote Control Options</b>			
The following subminiature options are not approved for use in hazardous atmospheres.			
N .....	XL-AE6H .....	215.00 .....	MICROPHONE, MINI-LAPEL, 3-WIRE, BLACK
N .....	XL-AE6G .....	215.00 .....	MICROPHONE, PALM, 2-WIRE, BLACK
N .....	XL-AE6M.....	215.00 .....	MICROPHONE, PALM, 2-WIRE, BEIGE
<b>Headsets</b>			
N .....	XL-AE2A .....	650.00 .....	HEADSET, IN-EAR, BOOM MIC, IN-LINE PTT
N .....	XL-AE2B .....	650.00 .....	HEADSET, LTWT, OTH, SINGLE EAR, IN-LINE PTT
N .....	XL-AE2C .....	650.00 .....	HEADSET, LTWT, BTH, DUAL EAR, IN-LINE PTT
N .....	XL-AE2D .....	650.00 .....	HEADSET, LTWT, BTH, DUAL EAR, PIGTAIL PTT
N .....	XL-AE2E.....	650.00 .....	HEADSET, LTWT, BTH, DUAL IN-EAR, IN-LINE PTT
N .....	XL-AE2F.....	650.00 .....	HEADSET, LTWT, BTH, DUAL IN-EAR, PIGTAIL PTT
N .....	XL-AE2G .....	650.00 .....	HEADSET, BTH, BOOM MIC, EARPIECE, W/PTT
N .....	XL-AE1H .....	650.00 .....	HEADSET, TACTICAL, BOOM MIC, EARPIECE, W/PTT
N .....	XL-AE1P .....	600.00 .....	HEADSET, HEAVY DUTY, BTH, W/PTT
N .....	XL-AE1R .....	600.00 .....	HEADSET, HEAVY DUTY, OTH, W/PTT

**XL-200P PORTABLES**

Band: VHF, UHF, 700/800/900

Product Code: XL

E/C	Model No.	List Price \$	Description
<b>13. Carrying Accessories</b>			
N	XL-HC4A	60.00	BELT LOOP, LEATHER, PREMIUM
N	XL-HC3J	55.00	STRAP, LEATHER
N	XL-HC3L	30.00	BELT CLIP, METAL
N	XL-HC3K	20.00	STRAP, NYLON
<b>Standard Cases</b>			
N	XL-HC4Y	120.00	CASE, LEATHER, BLK HDW, BELT LOOP, D-SWIVEL Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery. Case contains no reflective surfaces
N	XL-HC4W	120.00	CASE, LEATHER, BELT LOOP, D-SWIVEL Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery
N	XL-HC4V	100.00	CASE, LEATHER, W/ BELT LOOP, BLK HDW Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery. Case contains no reflective surfaces
N	XL-HC6Y	65.00	CASE, LEATHER, 2.5 IN BELT LOOP, DSWIVEL, HCB For use with any XL portable radio when paired with its corresponding high capacity battery (4800 mAh)
N	XL-HC6Z	55.00	CASE, LEATHER, 3 IN BELT LOOP, HCB For use with any XL portable radio when paired with its corresponding high capacity battery (4800 mAh)
N	XL-HC4Z	60.00	CASE, LEATHER, 2.5" BELT LOOP, D-SWIVEL For use with any XL portable radio when paired with its corresponding standard capacity battery (3100 mAh)
N	XL-HC6A	50.00	CASE, LEATHER, 3" BELT LOOP For use with any XL portable radio when paired with its corresponding standard capacity battery (3100 mAh)
N	XL-HC4X	80.00	CASE, NYLON, BLK HDW, BELT LOOP, D-SWIVEL Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery. Case contains no reflective surfaces
N	XL-HC4U	80.00	CASE, NYLON, BLACK, BELT LOOP, D-SWIVEL Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery
N	XL-HC4T	75.00	CASE, NYLON, BLACK, MOLLE STRAP Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery. Case contains no reflective surfaces

**XL-200P PORTABLES**

Band: VHF, UHF, 700/800/900  
 Product Code: XL

E/C	Model No.	List Price \$	Description
<b>13. Carrying Accessories (Cont'd)</b>			
<b>Premium Cases</b>			
N .....	XL-HC4R .....	200.00 .....	CASE, LEATHER, PREMIUM, SHOULDER STRAP, LTE Only for use with XL portables that <u>have</u> the LTE option installed and using standard or UL CID2 batteries (XL-PA3V and XL-PA3X)
N .....	XL-HC4P .....	175.00 .....	CASE, LEATHER, PREM, BELT LOOP, D-SWIVEL, LTE Only for use with XL portables that <u>have</u> the LTE option installed and using standard or UL CID2 batteries (XL-PA3V and XL-PA3X)
N .....	XL-HC4L .....	170.00 .....	CASE, LEATHER, PREMIUM, SHOULDER STRAP Only for use with XL portables that <u>do not have</u> the LTE option installed and using standard or UL CID2 batteries (XL-PA3V and XL-PA3X)
N .....	XL-HC4K .....	145.00 .....	CASE, LEATHER, PREMIUM, BELT LOOP, D-SWIVEL Only for use with XL portables that <u>do not have</u> the LTE option installed and using standard or UL CID2 batteries (XL-PA3V and XL-PA3X)
<b>14. Miscellaneous</b>			
<b>Knob Kit</b>			
S .....	14035-1948-30 .....	25.00 .....	KIT, GLOVE FRIENDLY KNOB COVER – VOL&CHAN
<b>Connectors</b>			
N .....	XL-ZN7V .....	10.00 .....	COVER, SIDE CONNECTOR, XL-200P
<b>Cables</b>			
N .....	XL-CJ4A .....	230.00 .....	CABLE, DATA INTERFACE
N .....	XL-CJ3A .....	170.00 .....	CABLE, USB, PROGRAMMING
N .....	XL-CJ3B .....	170.00 .....	CABLE, KVL, KEY LOADING
<b>Warranty</b>			
N .....	XL-Y1EWP .....	100.00 .....	SERVICE ASSIST, EXT WARRANTY 1YR, XL200P
N .....	XL-Y2EWP .....	150.00 .....	SERVICE ASSIST, EXT WARRANTY 2YR, XL200P
N .....	XL-Y3EWP .....	200.00 .....	SERVICE ASSIST, EXT WARRANTY 3YR, XL200P
<b>Australian C-Tick Certification</b>			
N .....	XL-CERT1 .....	0.01 .....	OPTION, C-TICK CERTIFICATION
<b>Manuals</b>			
V .....	MM200XL .....	65.00 .....	MANUAL, MAINT, XL SERIES
V .....	MM100BN .....	35.00 .....	MANUAL, USER, BEON CLIENT

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**XL-185P PORTABLES**

Band: VHF, UHF, 700/800/900

Product Code: XS



**Black  
Full Keypad**



**Yellow  
Full Keypad**

The XL-185P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Analog Conventional systems.

**All XL-185P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type) (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>Full Keypad Multi-Band</b>			
C .....	XS-PFM9M-NA .....	3,380.00 .....	PORTABLE, XL-185P, 7/8/9, FKP, BLK, US, NA
C .....	XS-PFS1M-NA .....	3,380.00 .....	PORTABLE, XL-185P, 7/8, FKP, BLK, US, NA
C .....	XS-PFSVM-NA .....	3,380.00 .....	PORTABLE, XL-185P, VHF, FKP, BLK, NA
C .....	XS-PFSUM-NA .....	3,380.00 .....	PORTABLE, XL-185P, UHF, FKP, BLK, NA
C .....	XS-PFS2M-NA .....	3,380.00 .....	PORTABLE, XL-185P, 7/8, FKP, BLK, NRB, NA
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XS-PFS2M-INTL .....	3,380.00 .....	PORTABLE, XL-185P, 7/8, FKP, BLK, NRB, INTL
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XS-PFM9Y-NA .....	3,380.00 .....	PORTABLE, XL-185P, 7/8/9, FKP, YEL, US, NA
C .....	XS-PFS1Y-NA .....	3,380.00 .....	PORTABLE, XL-185P, 7/8, FKP, YEL, US, NA
C .....	XS-PFSVY-NA .....	3,380.00 .....	PORTABLE, XL-185P, VHF, FKP, YEL, NA
C .....	XS-PFSUY-NA .....	3,380.00 .....	PORTABLE, XL-185P, UHF, FKP, YEL, NA
C .....	XS-PFS2Y-NA .....	3,380.00 .....	PORTABLE, XL-185P, 7/8, FKP, YEL, NRB, NA
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XS-PFS2Y-INTL .....	3,380.00 .....	PORTABLE, XL-185P, 7/8, FKP, YEL, NRB, INTL
			Non-rebanded radios support frequencies up to 870 MHz
<b>Frequency Band Options for Multi-Band Radios</b>			
N .....	XS-PL4J .....	0.01 .....	FEATURE, SINGLE BAND VHF
N .....	XS-PL4K .....	0.01 .....	FEATURE, SINGLE BAND UHF
N .....	XS-PL4L .....	0.01 .....	FEATURE, SINGLE BAND, 7/800
N .....	XS-PL9D .....	0.01 .....	FEATURE, SINGLE BAND, 900
NB .....	XS-PKGF5 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, 7/800 + 900

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

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**XL-185P PORTABLES**

Band: VHF, UHF, 700/800/900  
 Product Code: XS



**Green**  
**Full Keypad**

The XL-185P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Analog Conventional systems.

**All XL-185P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type) (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>Full Keypad Multi-Band</b>			
C.....	XS-PFM9P-NA.....	3,380.00	PORTABLE, XL-185P, 7/8/9, FKP, PGRN, US, NA
C.....	XS-PFS1P-NA.....	3,380.00	PORTABLE, XL-185P, 7/8, FKP, PGRN, US, NA
C.....	XS-PFSVP-NA.....	3,380.00	PORTABLE, XL-185P, VHF, FKP, PGRN, NA
C.....	XS-PFSUP-NA.....	3,380.00	PORTABLE, XL-185P, UHF, FKP, PGRN, NA
C.....	XS-PFS2P-NA.....	3,380.00	PORTABLE, XL-185P, 7/8, FKP, PGRN, NRB, NA
			Non-rebanded radios support frequencies up to 870 MHz
C.....	XS-PFS2P-INTL.....	3,380.00	PORTABLE, XL-185P, 7/8, FKP, PGRN, NRB, INTL
			Non-rebanded radios support frequencies up to 870 MHz

**Frequency Band Options for Multi-Band Radios**

N .....	XS-PL4J.....	0.01	FEATURE, SINGLE BAND VHF
N .....	XS-PL4K .....	0.01	FEATURE, SINGLE BAND UHF
N .....	XS-PL4L .....	0.01	FEATURE, SINGLE BAND, 7/800
N .....	XS-PL9D .....	0.01	FEATURE, SINGLE BAND, 900
NB.....	XS-PKGF5.....	1,000.00	FEATURE PACKAGE, DUAL BAND, 7/800 + 900

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**XL-185P PORTABLES**

Band: VHF, UHF, 700/800/900

Product Code: XS



**Black**  
**Partial Keypad**

**Yellow**  
**Partial Keypad**

The XL-185P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-185P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type) (All models below include the P25 Conventional Operational Mode Package) Partial Keypad Multi-Band</b>			
C .....	XS-PPM9M-NA .....	3,180.00 .....	PORTABLE, XL-185P, 7/8/9, PKP, BLK, US, NA
C .....	XS-PPS1M-NA .....	3,180.00 .....	PORTABLE, XL-185P, 7/8, PKP, BLK, US, NA
C .....	XS-PPSVM-NA .....	3,180.00 .....	PORTABLE, XL-185P, VHF, PKP, BLK, NA
C .....	XS-PPSUM-NA .....	3,180.00 .....	PORTABLE, XL-185P, UHF, PKP, BLK, NA
C .....	XS-PPS2M-NA .....	3,180.00 .....	PORTABLE, XL-185P, 7/8, PKP, BLK, NRB, NA
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XS-PPS2M-INTL .....	3,180.00 .....	PORTABLE, XL-185P, 7/8, PKP, BLK, NRB, INTL
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XS-PPM9Y-NA .....	3,180.00 .....	PORTABLE, XL-185P, 7/8/9, PKP, YEL, US, NA
C .....	XS-PPS1Y-NA .....	3,180.00 .....	PORTABLE, XL-185P, 7/8, PKP, YEL, US, NA
C .....	XS-PPSVY-NA .....	3,180.00 .....	PORTABLE, XL-185P, VHF, PKP, YEL, NA
C .....	XS-PPSUY-NA .....	3,180.00 .....	PORTABLE, XL-185P, UHF, PKP, YEL, NA
C .....	XS-PPS2Y-NA .....	3,180.00 .....	PORTABLE, XL-185P, 7/8, PKP, YEL, NRB, NA
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XS-PPS2Y-INTL .....	3,180.00 .....	PORTABLE, XL-185P, 7/8, PKP, YEL, NRB, INTL
			Non-rebanded radios support frequencies up to 870 MHz
<b>Frequency Band Options for Multi-Band Radios</b>			
N .....	XS-PL4J .....	0.01 .....	FEATURE, SINGLE BAND VHF
N .....	XS-PL4K .....	0.01 .....	FEATURE, SINGLE BAND UHF
N .....	XS-PL4L .....	0.01 .....	FEATURE, SINGLE BAND, 7/800
N .....	XS-PL9D .....	0.01 .....	FEATURE, SINGLE BAND, 900
NB .....	XS-PKGF5 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, 7/800 + 900

**For keypad, see section 9.**

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**XL-185P PORTABLES**

Band: VHF, UHF, 700/800/900

Product Code: XS



**Green**  
**Partial Keypad**

The XL-185P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-185P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type) (All models below include the P25 Conventional Operational Mode Package) Partial Keypad Multi-Band</b>			
C.....	XS-PPM9P-NA.....	3,180.00	PORTABLE, XL-185P, 7/8/9, PKP, PGRN, US, NA
C.....	XS-PPS1P-NA.....	3,180.00	PORTABLE, XL-185P, 7/8, PKP, PGRN, US, NA
C.....	XS-PPSVP-NA.....	3,180.00	PORTABLE, XL-185P, VHF, PKP, PGRN NA
C.....	XS-PPSUP-NA.....	3,180.00	PORTABLE, XL-185P, UHF, PKP, PGRN, NA
C.....	XS-PPS2P-NA.....	3,180.00	PORTABLE, XL-185P, 7/8, PKP, PGRN, NRB, NA
			Non-rebanded radios support frequencies up to 870 MHz
C.....	XS-PPS2P-INTL.....	3,180.00	PORTABLE, XL-185P, 7/8, PKP, PGRN, NRB, INTL
			Non-rebanded radios support frequencies up to 870 MHz

**Frequency Band Options for Multi-Band Radios**

N .....	XS-PL4J.....	0.01	FEATURE, SINGLE BAND VHF
N .....	XS-PL4K .....	0.01	FEATURE, SINGLE BAND UHF
N .....	XS-PL4L .....	0.01	FEATURE, SINGLE BAND, 7/800
N .....	XS-PL9D .....	0.01	FEATURE, SINGLE BAND, 900
NB.....	XS-PKGF5.....	1,000.00	FEATURE PACKAGE, DUAL BAND, 7/800 + 900

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.



## XL-185P PORTABLES

Band: VHF, UHF, 700/800/900

Product Code: XS



**Black                      Yellow                      Green**  
**Full Keypad      Full Keypad      Full Keypad**

The XL-185P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-185P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type) (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>Full Keypad Single Band</b>			
C .....	XS-PFS1M-C1D1 .....	2,600.00 .....	PORTABLE, XL-185P, 7/800, FKP, BLK, US, C1D1
C .....	XS-PFS1Y-C1D1 .....	2,600.00 .....	PORTABLE, XL-185P, 7/800, FKP, YEL, US, C1D1
C .....	XS-PFS1P-C1D1 .....	2,600.00 .....	PORTABLE, XL-185P, 7/800, FKP, PGRN, US, C1D1
C .....	XS-PFS2M-C1D1 .....	2,600.00 .....	PORTABLE, XL-185P, 7/800, FKP, BLK NRB, C1D1
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XS-PFS2Y-C1D1 .....	2,600.00 .....	PORTABLE, XL-185P, 7/800, FKP, YEL, NRB, C1D1
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XS-PFS2P-C1D1 .....	2,600.00 .....	PORTABLE, XL-185P, 7/800, FKP, PGRN, NRB, C1D1
			Non-rebanded radios support frequencies up to 870 MHz
C .....	XS-PFSVM-C1D1 .....	2,600.00 .....	PORTABLE, XL-185P, VHF, FKP, BLK, C1D1
C .....	XS-PFSVY-C1D1 .....	2,600.00 .....	PORTABLE, XL-185P, VHF, FKP, YEL, C1D1
C .....	XS-PFSVP-C1D1 .....	2,600.00 .....	PORTABLE, XL-185P, VHF, FKP, PGRN, C1D1
C .....	XS-PFSUM-C1D1 .....	2,600.00 .....	PORTABLE, XL-185P, UHF, FKP, BLK, C1D1
C .....	XS-PFSUY-C1D1 .....	2,600.00 .....	PORTABLE, XL-185P, UHF, FKP, YEL, C1D1
C .....	XS-PFSUP-C1D1 .....	2,600.00 .....	PORTABLE, XL-185P, UHF, FKP, PGRN, C1D1

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**XL-185P PORTABLES**  
Band: VHF, UHF, 700/800/900  
Product Code: XS



The XL-185P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-185P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type) (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>Full Keypad Multi-Band</b>			
C.....	XS-PFM9M .....	2,250.00 .....	PORTABLE, XL-185P, 7/8/900, FKP, BLK, US
C.....	XS-PFM9Y .....	2,250.00 .....	PORTABLE, XL-185P, 7/8/900, FKP, YEL, US
C.....	XS-PFM9P .....	2,250.00 .....	PORTABLE, XL-185P, 7/8/900, FKP, PGRN, US
<b>Frequency Band Options for Multi-Band Radios</b>			
N .....	XS-PL4J .....	0.01 .....	FEATURE, SINGLE BAND VHF
N .....	XS-PL4K .....	0.01 .....	FEATURE, SINGLE BAND UHF
N .....	XS-PL4L .....	0.01 .....	FEATURE, SINGLE BAND, 7/800
N .....	XS-PL9D .....	0.01 .....	FEATURE, SINGLE BAND, 900
NB.....	XS-PKGF5 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, 7/800 + 900

For keyloader, see section 9.

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

## XL-185P PORTABLES

Band: VHF, UHF, 700/800/900  
 Product Code: XS



**Black                      Yellow                      Green**  
**Partial Keypad    Partial Keypad    Partial Keypad**

The XL-185P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-185P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type) (All models below include the P25 Conventional Operational Mode Package) Partial Keypad Multi-Band</b>			
C .....	XS-PPM9M .....	2,050.00 .....	PORTABLE, XL-185P, 7/8/900, PKP, BLK, US
C .....	XS-PPM9Y .....	2,050.00 .....	PORTABLE, XL-185P, 7/8/900, PKP, YEL, US
C .....	XS-PPM9P .....	2,050.00 .....	PORTABLE, XL-185P, 7/8/900, PKP, PGRN, US
<b>Frequency Band Options for Multi-Band Radios</b>			
N .....	XS-PL4J .....	0.01 .....	FEATURE, SINGLE BAND VHF
N .....	XS-PL4K .....	0.01 .....	FEATURE, SINGLE BAND UHF
N .....	XS-PL4L .....	0.01 .....	FEATURE, SINGLE BAND, 7/800
N .....	XS-PL9D .....	0.01 .....	FEATURE, SINGLE BAND, 900
NB .....	XS-PKGF5 .....	1,000.00 .....	FEATURE PACKAGE, DUAL BAND, 7/800 + 900

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

## XL-185P PORTABLES

Band: VHF, UHF, 700/800/900

Product Code: XS



**Black                      Yellow                      Green**  
**Full Keypad          Full Keypad          Full Keypad**

The XL-185P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-185P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type) (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>Full Keypad Single Band</b>			
C.....	XS-PFS1M.....	2,250.00	PORTABLE, XL-185P, 7/800 MHZ, FKP, BLK, US
C.....	XS-PFS1Y .....	2,250.00	PORTABLE, XL-185P, 7/800 MHZ, FKP, YEL, US
C.....	XS-PFS1P.....	2,250.00	PORTABLE, XL-185P, 7/800, FKP, PGRN, US
C.....	XS-PFS2M.....	2,250.00	PORTABLE, XL-185P, 7/800 MHZ, FKP, BLK, NRB Non-rebanded radios support frequencies up to 870 MHz
C.....	XS-PFS2Y .....	2,250.00	PORTABLE, XL-185P, 7/800 MHZ, FKP, YEL, NRB Non-rebanded radios support frequencies up to 870 MHz
C.....	XS-PFS2P.....	2,250.00	PORTABLE, XL-185P, 7/800, FKP, PGRN, NRB Non-rebanded radios support frequencies up to 870 MHz
C.....	XS-PFSVM.....	2,250.00	PORTABLE, XL-185P, VHF, FKP, BLK
C.....	XS-PFSVY .....	2,250.00	PORTABLE, XL-185P, VHF, FKP, YEL
C.....	XS-PFSVP .....	2,250.00	PORTABLE, XL-185P, VHF, FKP, PGRN
C.....	XS-PFSUM.....	2,250.00	PORTABLE, XL-185P, UHF, FKP, BLK
C.....	XS-PFSUY .....	2,250.00	PORTABLE, XL-185P, UHF, FKP, YEL
C.....	XS-PFSUP .....	2,250.00	PORTABLE, XL-185P, UHF, FKP, PGRN

**For keyloader, see section 9.**

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**XL-185P PORTABLES**

Band: VHF, UHF, 700/800/900

Product Code: XS



**Black                      Yellow                      Green**  
**Partial Keypad    Partial Keypad    Partial Keypad**

The XL-185P portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-185P orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select Keypad Type) (All models below include the P25 Conventional Operational Mode Package) Partial Keypad Single Band</b>			
C .....	XS-PPS1M .....	2,050.00 .....	PORTABLE, XL-185P, 7/800 MHZ, PKP, BLK, US
C .....	XS-PPS1Y .....	2,050.00 .....	PORTABLE, XL-185P, 7/800 MHZ, PKP, YEL, US
C .....	XS-PPS1P .....	2,050.00 .....	PORTABLE, XL-185P, 7/800, PKP, PGRN, US
C .....	XS-PPS2M .....	2,050.00 .....	PORTABLE, XL-185P, 7/800 MHZ, PKP, BLK, NRB Non-rebanded radios support frequencies up to 870 MHz
C .....	XS-PPS2Y .....	2,050.00 .....	PORTABLE, XL-185P, 7/800 MHZ, PKP, YEL, NRB Non-rebanded radios support frequencies up to 870 MHz
C .....	XS-PPS2P .....	2,050.00 .....	PORTABLE, XL-185P, 7/800, PKP, PGRN, NRB Non-rebanded radios support frequencies up to 870 MHz
C .....	XS-PPSVM .....	2,050.00 .....	PORTABLE, XL-185P, VHF, PKP, BLK
C .....	XS-PPSVY .....	2,050.00 .....	PORTABLE, XL-185P, VHF, PKP, YEL
C .....	XS-PPSVP .....	2,050.00 .....	PORTABLE, XL-185P, VHF, PKP, PGRN
C .....	XS-PPSUM .....	2,050.00 .....	PORTABLE, XL-185P, UHF, PKP, BLK
C .....	XS-PPSUY .....	2,050.00 .....	PORTABLE, XL-185P, UHF, PKP, YEL
C .....	XS-PPSUP .....	2,050.00 .....	PORTABLE, XL-185P, UHF, PKP, PGRN

**For keyloader, see section 9.**

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**XL-185P PORTABLES**

Band: VHF, UHF, 700/800/900  
 Product Code: XS

**Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.**

E/C	Model No.	List Price \$	Description
<b>2. Antenna (Select one)</b>			
N .....	XS-NC5Z .....	110.00 .....	ANTENNA, FLEX, HELICAL, 136-870 MHZ
N .....	XS-NC8E .....	60.00 .....	ANTENNA, WHIP, DUAL-BAND, UHF/700/800 MHZ
N .....	XS-NC8F .....	40.00 .....	ANTENNA, WHIP, 1/4 WAVE, 762-870 MHZ
N .....	XS-NC8D .....	45.00 .....	ANTENNA, WHIP, 1/2 WAVE, 762-870 MHZ
N .....	XS-NC8L .....	50.00 .....	ANTENNA, WHIP, 1/4 WAVE 762-944 MHZ For use with 700/800/900 MHz radios only
N .....	XS-NC8K .....	50.00 .....	ANTENNA, WHIP, 1/2 WAVE 762-944 MHZ For use with 700/800/900 MHz radios only
<b>3. Immersible Mode (This feature upgrades the radio to Immersible operation)</b>			
N .....	XS-PKGMR .....	240.00 .....	OPTION, IMMERSIBLE RADIO OPERATION (applies to any Operational Mode Feature Package)
<b>4. Operational Mode Packages*</b>			
NB .....	XS-P25ED .....	2,000.00 .....	FEATURE PACKAGE, P25 AND EDACS TRUNKING EDACS includes analog trunking, ProVoice™ digital trunking, Status Message, and Extended Addressing (EA). Supports 800 MHz 9600 Wideband and 900 MHz 9600 Narrowband for EDACS only. Does not support EDACS VHF/UHF
NB .....	XS-PKGPT .....	1,500.00 .....	FEATURE PACKAGE, P25 TRUNKING Includes Phase 1 Trunking and Status Message
NB .....	XS-PKGED .....	1,500.00 .....	FEATURE PACKAGE, EDACS TRUNKING Includes analog trunking, ProVoice™ digital trunking, and Extended Addressing (EA). Supports 800 MHz 9600 Wideband and 900 MHz 9600 Narrowband for EDACS only. Does not support EDACS VHF/UHF
N .....	XS-LTE-NA-UG .....	1,445.00 .....	UPGRADE KIT, XL-185P, LTE, NA MODEM Provides a kitted module for fielded radios manufactured after 2/2020. If installation at a Harris facility is desired, must include Harris labor for upgrade.
N .....	XS-LTE-INTL-UG .....	1,445.00 .....	UPGRADE KIT, XL-185P, LTE, INTL MODEM Provides a kitted module for fielded radios manufactured after 2/2020. If installation at a Harris facility is desired, must include Harris labor for upgrade.

**\*All Trunking Operational Mode Packages include Emergency, Dynamic Regroup, ProScan™, Priority System Scan, and 1024 systems/groups.**

**XL-185P PORTABLES**

Band: VHF, UHF, 700/800/900  
 Product Code: XS

E/C	Model No.	List Price \$	Description
<b>4. Operational Mode Packages* (Cont'd)</b>			
N .....	XS-LTE-NA-LUG .....	1,645.00 .....	LEGACY UPGRDE KIT, XL-185P, LTE, NA MODEM Provides a kitted module for fielded radios manufactured between 2/2017 and 2/2020. If installation at a Harris facility is desired, must include Harris labor for upgrade.
N .....	XS-LTE-INTL-LUG .....	1,645.00 .....	LEGACY UPGRDE KIT, XL-185P, LTE, INTL MODEM Provides a kitted module for fielded radios manufactured between 2/2017 and 2/2020. If installation at a Harris facility is desired, must include Harris labor for upgrade.
N .....	BM-PKGCL-XL .....	335.00 .....	APP, BEON XL RADIO FAMILY BeOn Client License enabling the LTE radio to provide PTT over LTE or WiFi networks. A BeOn Server is required to enable this option.
<b>*All Trunking Operational Mode Packages include Emergency, Dynamic Regroup, ProScan™, Priority System Scan, and 1024 systems/groups.</b>			
<b>5. SIM Cards</b>			
N .....	XS-SV1V .....	10.00 .....	BROADBAND, SIM CARD, VERIZON Removable Nano SIM that can be purchased separately and added to LTE-capable devices. A non-removable embedded SIM is included and added to LTE-capable radios manufactured after October 25, 2019
N .....	XS-SV1T .....	10.00 .....	BROADCAST SIM CARD, AT&T Removable Nano SIM that can be added through the product configurator
N .....	XS-SV1F .....	10.00 .....	BROADBAND, SIM CARD, FIRSTNET Removable Nano SIM that can be added through the product configurator. Broadband Managed Services is not an option for FirstNet services. Please contact your cognizant AT&T consultant to activate devices on FirstNet.
<b>6. Broadband Managed Services Options**</b>			
N .....	SB-SV1D .....	10.00 .....	BROADBAND, LINE OF SERVICE, 1 MONTH
N .....	SB-SV1G .....	13.00 .....	BROADBAND, 1GB DATA

**\*\*An agreement will need to be executed between Harris and the end user before purchasing. The agreement can be found here:**

<https://premier.pspc.harris.com/infocenter/broadband/Broadband%20managed%20service%20agreement%2020190204.pdf>



**XL-185P PORTABLES**

Band: VHF, UHF, 700/800/900

Product Code: XS

E/C	Model No.	List Price \$	Description
<b>7. HazLoc Options</b>			
N	XS-PA2A	225.00	BATT, LION, 3100, HAZLOC RADIO ULC1D2, LTE This option upgrades the radio to UL Class 1 Division 2 hazardous locations. It equips the radio with the necessary markings and a UL battery. This battery is certified for use with LTE-enabled XL-185P radios on the Verizon LTE network.
N	XS-PA4L	260.00	BATT, LION, 4800, HI-CAP, HAZLOC RADIO C1D2 This option upgrades the radio to UL Class 1 Division 2 hazardous locations. It equips the radio with the necessary markings and a UL high capacity battery.
<b>8. Encryption Options*</b>			
N	XS-PL4U	0.01	FEATURE, SINGLE-KEY DES ENCRYPTION**
N	XS-PL9E	0.01	FEATURE, SINGLE-KEY AES ENCRYPTION**
N	XS-PL8Y	0.01	FEATURE, ENCRYPTION LITE***
N	XS-PL4D	240.00	FEATURE, DES-CFB
N	XS-PKG8F	695.00	FEATURE, 256-AES, 64-DES ENCRYPTION
*Ordering multi-key AES provides full P25 CAP compliance.			
**Single-Key DES and Single-Key AES are available for P25 Conventional and P25 Trunked operation. Neither is available for EDACS operation.			
***Encryption Lite is standard on digital operational modes and is not available on EDACS. Encryption Lite must be selected in the Product Configurator.			
<b>Option for AES Encrypted Radios</b>			
N	XS-PL7J	1.00	FEATURE, FIPS 140-2 OPERATION LEVEL 1
<b>9. Software Features</b>			
<b>Software Options</b>			
N	XS-PL4E	240.00	FEATURE, CONVENTIONAL VOTE SCAN
N	XS-PL8R	100.00	FEATURE, RF SAFE When option is enabled, the radio is always in RF Safe mode (0.1W) and is locked at 0.1W power
N	XS-FW2X	0.01	OPERATION, LOAD NIFOG PERSONALITY



**XL-185P PORTABLES**

Band: VHF, UHF, 700/800/900

Product Code: XS

E/C	Model No.	List Price \$	Description
<b>9. Software Features (Cont'd)</b>			
<b>P25 Software Options</b>			
N .....	XS-PL5L .....	595.00 .....	FEATURE, P25 OTAR (OVER-THE-AIR-REKEYING)
N .....	XS-PL9L .....	595.00 .....	FEATURE, HIGH VELOCITY DATA TDMA
NB .....	XS-PKGP .....	330.00 .....	FEATURE PACKAGE, P25 DATA Includes Radio TextLink
N .....	XS-PL9N .....	285.00 .....	FEATURE, TDMA CC
N .....	XS-PL5K .....	265.00 .....	FEATURE, ProFile™ OTAP OVER-THE-AIR PRGM
N .....	XS-PL9K .....	250.00 .....	FEATURE, VIDA ID
N .....	XS-PL8N .....	250.00 .....	FEATURE, IN-BAND GPS
N .....	XS-PL4F .....	250.00 .....	FEATURE, P25 PHASE 2, TDMA
N .....	XS-PL9F .....	250.00 .....	FEATURE, P25C FALLBACK/MS FAILSOFT Required for Motorola customers using P25C Failsoft on a Motorola System. This feature is not needed for Harris-only systems
N .....	XS-PL9G .....	250.00 .....	FEATURE, 3000 ALIASES When feature is enabled, users can write all 3000 configured aliases to the radio without incident. When feature is not enabled, users will only be able to use the I-Call list of 255 entries maximum
N .....	XS-PL9H .....	175.00 .....	FEATURE, 250 ZONES Enable this feature if planning to configure radio with more than 50 zones. RPM2 can configure up to 250 zones; however, radio will only store the first 50 if this feature is not enabled.
N .....	XS-PL8M .....	150.00 .....	FEATURE, EDATA
N .....	XS-LLA .....	100.00 .....	FEATURE, LINK LAYER AUTHENTICATION
N .....	XS-SP2V .....	0.01 .....	FEATURE, FEDERAL/INTERNATIONAL STANDARD This feature can only be configured for customers that are NOT FCC regulated such as Federal (NTIA) and International customers

**XL-185P PORTABLES**

Band: VHF, UHF, 700/800/900  
 Product Code: XS

E/C	Model No.	List Price \$	Description
<b>10. Battery (Select one)</b>			
For best battery lifecycle quality, shipment of batteries near deployment is advised. For deployment schedules greater than 9 months, shipping batteries separately, at a later date, is recommended. Storing battery packs is not recommended because the chemicals in the battery degrade over time and this affects the functionality of the battery. Batteries that have been stored for longer than their warranty period (12 months) may become non-functional and will not be covered under the L3Harris battery warranty.			
N .....	XS-PA4K .....	175.00 .....	BATTERY, LI-ION, HI-CAPACITY, 4800 MAH
N .....	XS-PA4M .....	205.00 .....	BATTERY, LI-ION, HI-CAPACITY, 4800 MAH, C1D2 For use as a spare UL C1D2 high-capacity battery with XS-PA4L. Ordering this UL battery for use with a non-HazLoc radio does not produce a HazLoc radio
N .....	XS-PA3V .....	150.00 .....	BATTERY, LI-ION, 3100 MAH
N .....	XS-PA4J .....	200.00 .....	BATTERY, LI-ION, 3100 MAH, UL, C1D1
N .....	XS-PA3X .....	175.00 .....	BATTERY, LI-ION, 3100 MAH, ULC1D2, LTE For use as a spare battery with UL radio option XS-PA2A. Ordering this UL battery for use with a non-HazLoc radio does not produce a HazLoc radio. This battery is certified for use with LTE-enabled XL-185P radios on the Verizon LTE network.

**XL-185P PORTABLES**

Band: VHF, UHF, 700/800/900

Product Code: XS

E/C	Model No.	List Price \$	Description
<b>11. Chargers</b>			
<b>Rapid Chargers</b>			
N .....	XS-CH5L .....	245.00 .....	CHARGER, DESKTOP, 2-BAY, XL-185P
N .....	XS-CH4X .....	170.00 .....	CHARGER, 1-BAY, XL-185P
N .....	XS-CH4Z .....	15.00 .....	KIT, RSM HANGER, 1-BAY, DESK CHARGER
N .....	XS-CH4Y .....	10.00 .....	KIT, GANG PLATE, 1-BAY, DESK CHARGER
N .....	XS-CH5A .....	895.00 .....	CHARGER, 6-BAY, XL-185P
N .....	XS-CH5B .....	215.00 .....	WALL MOUNT KIT, CHARGER, 6-BAY, XL-185P
S .....	AT6085A .....	895.00 .....	CHARGER, 12 BAY, LITHIUM, XL Charges batteries only. Does not charge radios with batteries attached
<b>Vehicular Chargers</b>			
N .....	XS-CH4W .....	200.00 .....	CHARGER, VC4000
N .....	XS-PS9X .....	35.00 .....	POWER ADAPTER KIT, VC4000 CHARGER
N .....	XS-CH5M .....	1,499.00 .....	ENH VEH CHGR, XL, STANDARD* For use with standard or Verizon LTE-equipped XL portables using standard capacity (3100 mAh) batteries.
N .....	XS-CH5N .....	1,499.00 .....	ENH VEH CHGR, XL, HIGH CAPACITY* For use with standard or Verizon LTE-equipped XL portables using high capacity (4800 mAh) batteries.
N .....	XS-CH5R .....	1,499.00 .....	ENH VEH CHGR, XL, HAZLOC* For use with UL C1D1 rated XL portables using the L3Harris UL C1D1 rated HazLoc battery.

\*The Enhanced Vehicular Charger currently supports Standard (not LTE equipped), C1D1, and Verizon LTE XL portable models used on 700, 800, or 900 MHz systems; support for VHF/UHF bands and Global LTE models is coming soon

**XL-185P PORTABLES**

Band: VHF, UHF, 700/800/900  
 Product Code: XS

E/C	Model No.	List Price \$	Description
<b>12. Audio Accessories</b>			
N .....	XS-CJ4B .....	225.00 .....	ADAPTER, 6-PIN HIROSE, XL-185P, EXT CABLE
N .....	XS-AE1S .....	179.00 .....	BLUETOOTH, COVERT, EARPIECE/MIC/PTT
<b>Speaker Microphones</b>			
N .....	XS-AE1T .....	630.00 .....	SPKR MIC, PREMIUM, FIRE, NC
N .....	XS-AE1X .....	630.00 .....	SPKR MIC, PREM, FIRE, NC, HI-VIS-YELLOW
N .....	XS-AE2W .....	399.00 .....	SPEAKER MIC, 500F, XL-185P For use with all XL-185P portables, including UL C1D2 and UL C1D1 Hazardous Location rated
N .....	XS-AE2K .....	300.00 .....	MICROPHONE, ANTENNA SPEAKER, EMRG, 18 IN
N .....	XS-AE2J .....	300.00 .....	MICROPHONE, ANTENNA SPEAKER, EMRG, 25.6 IN
N .....	XS-AE2L .....	300.00 .....	MICROPHONE, ANTENNA SPEAKER, EMRG, 30 IN
N .....	XS-AE1V .....	299.00 .....	SPEAKER MIC, WIRELESS, BLUETOOTH, ADVANCED
N .....	XS-AE4B .....	225.00 .....	SPEAKER MICROPHONE, EMER BUTTON
N .....	XS-AE9N .....	195.00 .....	SPEAKER MICROPHONE
N .....	XS-AE2V .....	190.00 .....	SPEAKER MIC, REVO NC2, C1D2 Features passive noise cancellation, IP-68 immersion, 360-degree clothing clip, 2.5mm earphone jack, PTT/emergency buttons, and Hi/Lo volume slider switch. UL C1D2 HazLoc rating for use with UL C1D2 rated XL portables
N .....	XS-AE1K .....	65.00 .....	EARPHONE, SPEAKER MIC, RIGHT ANGLE, 2.5MM Includes the Cable with 2.5 mm Plug, Transducer, Acoustic Tube, and Earpiece
N .....	XS-AE3Z .....	65.00 .....	EARPHONE, LAPEL MICROPHONE For use with Speaker Mics that have an earphone jack

**XL-185P PORTABLES**

Band: VHF, UHF, 700/800/900

Product Code: XS

E/C	Model No.	List Price \$	Description
<b>12. Audio Accessories (Cont'd)</b>			
<b>Surveillance Accessories</b>			
N .....	XS-AE1L .....	825.00 .....	SKULL MIC, W/BODY PTT & EARCUP, XL-185P
N .....	XS-AE1M .....	650.00 .....	THROAT MIC, W/ACOUSTIC TUBE & BODY PTT
N .....	XS-AE1N .....	600.00 .....	THROAT MIC, W/ACOUSTIC TUBE, BODY & RING PTT
<b>Subminiature Remote Control Options</b>			
The following subminiature options are not approved for use in hazardous atmospheres.			
N .....	XS-AE6H .....	215.00 .....	MICROPHONE, MINI-LAPEL, 3-WIRE, BLACK
N .....	XS-AE6G .....	215.00 .....	MICROPHONE, PALM, 2-WIRE, BLACK
N .....	XS-AE6M .....	215.00 .....	MICROPHONE, PALM, 2-WIRE, BEIGE
<b>Headsets</b>			
N .....	XS-AE2A .....	650.00 .....	HEADSET, IN-EAR, BOOM MIC, IN-LINE PTT
N .....	XS-AE2B .....	650.00 .....	HEADSET, LTWT, OTH, SINGLE EAR, IN-LINE PTT
N .....	XS-AE2C .....	650.00 .....	HEADSET, LTWT, BTH, DUAL EAR, IN-LINE PTT
N .....	XS-AE2D .....	650.00 .....	HEADSET, LTWT, BTH, DUAL EAR, PIGTAIL PTT
N .....	XS-AE2E .....	650.00 .....	HEADSET, LTWT, BTH, DUAL IN-EAR, IN-LINE PTT
N .....	XS-AE2F .....	650.00 .....	HEADSET, LTWT, BTH, DUAL IN-EAR, PIGTAIL PTT
N .....	XS-AE2G .....	650.00 .....	HEADSET, BTH, BOOM MIC, EARPIECE, W/PTT
N .....	XS-AE1H .....	650.00 .....	HEADSET, TACTICAL, BOOM MIC, EARPIECE, W/PTT
N .....	XS-AE1P .....	600.00 .....	HEADSET, HEAVY DUTY, BTH, W/PTT, XL-185P
N .....	XS-AE1R .....	600.00 .....	HEADSET, HEAVY DUTY, OTH, W/PTT, XL-185P

**XL-185P PORTABLES**

Band: VHF, UHF, 700/800/900  
 Product Code: XS

E/C	Model No.	List Price \$	Description
<b>13. Carrying Accessories</b>			
N	XS-HC4A	60.00	BELT LOOP, LEATHER, PREMIUM
N	XS-HC3J	55.00	STRAP, LEATHER
N	XS-HC3L	30.00	BELT CLIP, METAL
N	XS-HC3K	20.00	STRAP, NYLON
<b>Standard Cases</b>			
N	XS-HC4Y	120.00	CASE, LEATHER, BLK HDW, BELT LOOP, D-SWIVEL Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery. Case contains no reflective surfaces
N	XS-HC4W	120.00	CASE, LEATHER, BELT LOOP, D-SWIVEL Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery
N	XS-HC4V	100.00	CASE, LEATHER, W/BELT LOOP, BLK HDW Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery. Case contains no reflective surfaces
N	XS-HC6Y	65.00	CASE, LEATHER, 2.5 IN BELT LOOP, DSWIVEL, HCB For use with any XL portable radio when paired with its corresponding high capacity battery (4800 mAh)
N	XS-HC6Z	55.00	CASE, LEATHER, 3 IN BELT LOOP, HCB For use with any XL portable radio when paired with its corresponding high capacity battery (4800 mAh)
N	XS-HC4Z	60.00	CASE, LEATHER, 2.5" BELT LOOP, D-SWIVEL For use with any XL portable radio when paired with its corresponding standard capacity battery (3100 mAh)
N	XS-HC6A	50.00	CASE, LEATHER, 3" BELT LOOP For use with any XL portable radio when paired with its corresponding standard capacity battery (3100 mAh)
N	XS-HC4X	80.00	CASE, NYLON, BLK HDW, BELT LOOP, D-SWIVEL Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery. Case contains no reflective surfaces
N	XS-HC4U	80.00	CASE, NYLON, BLACK, BELT LOOP, D-SWIVEL Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery
N	XS-HC4T	75.00	CASE, NYLON, BLACK, MOLLE STRAP Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery. Case contains no reflective surfaces

**XL-185P PORTABLES**

Band: VHF, UHF, 700/800/900  
 Product Code: XS

E/C	Model No.	List Price \$	Description
<b>13. Carrying Accessories (Cont'd)</b>			
<b>Premium Cases</b>			
N .....	XS-HC4R .....	200.00 .....	CASE, LEATHER, PREMIUM, SHOULDER STRAP, LTE Only for use with XL portables that <u>have</u> the LTE option installed and using standard or UL C1D2 batteries (XS-PA3V and XS-PA3X)
N .....	XS-HC4P .....	175.00 .....	CASE, LEATHER, PREM, BELT LOOP, D-SWIVEL, LTE Only for use with XL portables that <u>have</u> the LTE option installed and using standard or UL C1D2 batteries (XS-PA3V and XS-PA3X)
N .....	XS-HC4L .....	170.00 .....	CASE, LEATHER, PREMIUM, SHOULDER STRAP Only for use with XL portables that <u>do not have</u> the LTE option installed and using standard or UL C1D2 batteries (XS-PA3V and XS-PA3X)
N .....	XS-HC4K .....	145.00 .....	CASE, LEATHER, PREMIUM, BELT LOOP, D-SWIVEL Only for use with XL portables that <u>do not have</u> the LTE option installed and using standard or UL C1D2 batteries (XS-PA3V and XS-PA3X)
<b>14. Miscellaneous</b>			
<b>Cables</b>			
N .....	XS-CJ4A .....	230.00 .....	CABLE, DATA INTERFACE, XL-185P
N .....	XS-CJ3A .....	170.00 .....	CABLE, USB, PROGRAMMING
N .....	XS-CJ3B .....	170.00 .....	CABLE, KVL, KEY LOADING
<b>Warranty</b>			
N .....	XS-Y1EWP .....	100.00 .....	SERVICE ASSIST, EXT WARRANTY 1YR, XL185P
N .....	XS-Y2EWP .....	150.00 .....	SERVICE ASSIST, EXT WARRANTY 2YR, XL185P
N .....	XS-Y3EWP .....	200.00 .....	SERVICE ASSIST, EXT WARRANTY 3YR, XL185P
<b>Manuals</b>			
V .....	MM200XL .....	65.00 .....	MANUAL, MAINT, XL SERIES
V .....	MM100BN .....	35.00 .....	MANUAL, USER, BEON CLIENT

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**XL-150P PORTABLES**

Band: VHF, UHF, 700/800, 900

Product Code: XV

**XL-150P**

The XL-150P portables are multi-application radios that can operate on P25 Phase 1 and Phase 2 Trunking, P25 Conventional, and Analog Conventional systems.

**All XL-150P orders must be placed through the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
<b>1. Package (All packages below include 3100 mAh Li-Ion battery, antenna, single-bay charger, belt clip, Encryption Lite, single-key AES, single-key DES, Bluetooth®, GPS, WiFi®, P25 Phase 1 and Phase 2 Trunking, P25 Conventional, and the Analog Conventional Operational Mode Package)</b>			
<b>Full Keypad Single Band</b>			
C .....	XV-PFS9M-NA.....	4,600.00 .....	PORTABLE, XL-150P, 900, FKP, BLK, US, NA Modem capability is only available as a factory install. No field upgrade available.
C .....	XV-PFS1M-NA.....	4,875.00 .....	PORTABLE, XL-150P, 7/8, FKP, BLK, US, NA Modem capability is only available as a factory install. No field upgrade available.
C .....	XV-PFSVM-NA.....	4,875.00 .....	PORTABLE, XL-150P, VHF, FKP, BLK, NA LTE Modem capability is only available as a factory install. No field upgrade available.
C .....	XV-PFSUM-NA.....	4,875.00 .....	PORTABLE, XL-150P, UHF, FKP, BLK, NA Modem capability is only available as a factory install. No field upgrade available.
C .....	XV-PFS2M-NA.....	4,875.00 .....	PORTABLE, XL-150P 7/8, FKP, BLK, NRB, NA Non-rebanded radios support frequencies up to 870 MHz. Modem capability is only available as a factory install. No field upgrade available.
C .....	XV-PFS9M.....	3,500.00 .....	PORTABLE, XL-150P, 900, FKP, BLK, US
C .....	XV-PFS1M.....	3,745.00 .....	PORTABLE, XL-150P, 7/800MHZ, FKP, BLK, US
C .....	XV-PFS2M.....	3,745.00 .....	PORTABLE, XL-150P, 7/800MHZ, FKP, BLK, NRB Non-rebanded radios support frequencies up to 870 MHz
C .....	XV-PFSVM.....	3,745.00 .....	PORTABLE, XL-150P, VHF, FKP, BLK
C .....	XV-PFSUM.....	3,745.00 .....	PORTABLE, XL-150P, UHF, FKP, BLK

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**Latest Products and Pricing on the Web**  
<https://premier.pspc.harris.com/infocenter/>



**XL-150P PORTABLES**

Band: VHF, UHF, 700/800, 900

Product Code: XV

E/C	Model No.	List Price \$	Description
<b>2. Antenna</b>			
N .....	XV-NC5Z .....	110.00 .....	ANTENNA, FLEX, HELICAL, 136-870 MHZ
N .....	XV-NC8E .....	60.00 .....	ANTENNA, WHIP, DUAL-BAND, UHF/700/800 MHZ
N .....	XV-NC8F .....	40.00 .....	ANTENNA, WHIP, 1/4 WAVE, 762-870 MHZ
N .....	XV-NC8D .....	45.00 .....	ANTENNA, WHIP, 1/2 WAVE, 762-870 MHZ
N .....	XV-NC8K .....	50.00 .....	ANTENNA, WHIP, 1/2 WAVE, 762-944 MHZ For use only on 900 MHz portables
N .....	XV-NC8L .....	50.00 .....	ANTENNA, WHIP, 1/4 WAVE, 762-944 MHZ For use only on 900 MHz portables
<b>3. Operational Mode Packages*</b>			
N .....	XV-LTE-NA-UG .....	1,445.00 .....	UPGRADE KIT, XL-150P, LTE, NA MODEM Provides a kitted module for field installation. If installation at a Harris facility is desired, must include Harris labor for upgrade (XV-UPGRLAB)
N .....	XV-UPGRLAB .....	145.00 .....	LABOR, HARRIS LTE MODEM INSTALLATION Provides Harris installation of XV- LTE-NA-UG Upgrade Kit.. (XV- LTE-NA-UG ordered separately.)
N .....	BM-PKGCL-XL .....	335.00 .....	APP, BEON XL RADIO FAMILY BeOn Client License enabling the LTE radio to provide PTT over LTE or WiFi networks. A BeOn Server is required to enable this option.

**\*All Trunking Operational Mode Packages include Emergency, Dynamic Regroup, ProScan™, Priority System Scan, and 1024 systems/groups.**

**XL-150P PORTABLES**

Band: VHF, UHF, 700/800, 900

Product Code: XV

E/C	Model No.	List Price \$	Description
<b>4. SIM Cards</b>			
N .....	XV-SV1V .....	10.00 .....	BROADBAND, SIM CARD, VERIZON Removable Nano SIM that can be added through the product configurator
N .....	XV-SV1T .....	10.00 .....	BROADBAND, SIM CARD, AT&T Removable Nano SIM that can be added through the product configurator
N .....	XV-SV1F .....	10.00 .....	BROADBAND, SIM CARD, FIRSTNET Removable Nano SIM that can be added through the product configurator. Broadband Managed Services is not an option for FirstNet services. Please contact your cognizant AT&T consultant to activate devices on FirstNet.
<b>5. Broadband Managed Services Options**</b>			
N .....	SB-SV1D .....	10.00 .....	BROADBAND, LINE OF SERVICE, 1 MONTH
N .....	SB-SV1G .....	13.00 .....	BROADBAND, 1GB DATA
<b>**An agreement will need to be executed between Harris and the end user before purchasing. The agreement can be found here:</b>			
<a href="https://premier.pspc.harris.com/infocenter/broadband/Broadband%20managed%20service%20agreement%2020190204.pdf">https://premier.pspc.harris.com/infocenter/broadband/Broadband%20managed%20service%20agreement%2020190204.pdf</a>			
<b>6. Software Features</b>			
<b>Software Options</b>			
N .....	XV-PL4E .....	150.00 .....	FEATURE, CONVENTIONAL VOTE SCAN
N .....	XV-FW2X .....	0.01 .....	OPERATION, LOAD NIFOG PERSONALITY
<b>P25 Software Options</b>			
N .....	XV-PL9L .....	595.00 .....	FEATURE, HIGH VELOCITY DATA TDMA
N .....	XV-PL9N .....	285.00 .....	FEATURE, TDMA CC
N .....	XV-PL9K .....	250.00 .....	FEATURE, VIDA ID
NB .....	XV-PKGP .....	200.00 .....	FEATURE PACKAGE, P25 DATA Includes Radio TextLink
N .....	XV-PL5K .....	200.00 .....	FEATURE, ProFile™ OTAP OVER-THE-AIR PRGM
N .....	XV-PL9F .....	150.00 .....	FEATURE, P25C FALLBACK/MS FAILSOFT Required for Motorola customers using P25C Failsoft on a Motorola System. This feature is not needed for Harris-only systems
N .....	XV-LLA .....	100.00 .....	FEATURE, LINK LAYER AUTHENTICATION
N .....	XV-SP2V .....	0.01 .....	FEATURE, FEDERAL/INTERNATIONAL STANDARD This feature can only be configured for customers that are NOT FCC regulated such as Federal (NTIA) and International customers
<b>7. Battery</b>			
For best battery lifecycle quality, shipment of batteries near deployment is advised. For deployment schedules greater than 9 months, shipping batteries separately, at a later date, is recommended. Storing battery packs is not recommended because the chemicals in the battery degrade over time and this affects the functionality of the battery. Batteries that have been stored for longer than their warranty period (12 months) may become non-functional and will not be covered under the L3Harris battery warranty.			
N .....	XV-PA4K .....	175.00 .....	BATTERY, LI-ION, HI-CAPACITY, 4800 MAH
N .....	XV-PA3V .....	150.00 .....	BATTERY, LI-ION, 3100 MAH

**XL-150P PORTABLES**

Band: VHF, UHF, 700/800, 900

Product Code: XV

E/C	Model No.	List Price \$	Description
<b>8. Chargers</b>			
<b>Rapid Chargers</b>			
N	XV-CH5L	245.00	CHARGER, DESKTOP, 2-BAY, XL-150P
N	XV-CH4X	170.00	CHARGER, 1-BAY, XL-150P
N	XV-CH4Z	15.00	KIT, RSM HANGER, 1-BAY, DESK CHARGER
N	XV-CH4Y	10.00	KIT, GANG PLATE, 1-BAY, DESK CHARGER
N	XV-CH5A	895.00	CHARGER, 6-BAY, XL-150P
N	XV-CH5B	215.00	WALL MOUNT KIT, CHARGER, 6-BAY, XL-150P
S	AT6085A	895.00	CHARGER, 12 BAY, LITHIUM, XL Charges batteries only. Does not charge radios with batteries attached
<b>Vehicular Chargers</b>			
N	XV-CH4W	200.00	CHARGER, VC4000
N	XV-PS9X	35.00	POWER ADAPTER KIT, VC4000 CHARGER
N	XV-CH5M	1,499.00	ENH VEH CHGR, XL, STANDARD* For use with standard or Verizon LTE-equipped XL portables using standard capacity (3100 mAh) batteries.
N	XV-CH5N	1,499.00	ENH VEH CHGR, XL, HIGH CAPACITY* For use with standard or Verizon LTE-equipped XL portables using high capacity (4800 mAh) batteries.
N	XV-CH5R	1,499.00	ENH VEH CHGR, XL, HAZLOC* For use with UL C1D1 rated XL portables using the L3Harris UL C1D1 rated HazLoc battery.
*The Enhanced Vehicular Charger currently supports Standard (not LTE equipped), C1D1, and Verizon LTE XL portable models used on 700, 800, or 900 MHz systems; support for VHF/UHF bands and Global LTE models is coming soon.			
<b>9. Audio Accessories</b>			
N	XV-CJ4B	225.00	ADAPTER, 6-PIN HIROSE, XL-150P, EXT CABLE
N	XV-AE1S	179.00	BLUETOOTH, COVERT, EARPIECE/MIC/PTT
<b>Speaker Microphones</b>			
N	XV-AE1T	630.00	SPKR MIC, PREMIUM, FIRE, NC
N	XV-AE1X	630.00	SPKR MIC, PREM, FIRE, NC, HI-VIS-YELLOW
N	XV-AE2W	399.00	SPEAKER MIC, 500F, XL-150P
N	XV-AE2K	300.00	MICROPHONE, ANTENNA SPEAKER, EMRG, 18 IN
N	XV-AE2J	300.00	MICROPHONE, ANTENNA SPEAKER, EMRG, 25.6 IN
N	XV-AE2L	300.00	MICROPHONE, ANTENNA SPEAKER, EMRG, 30 IN

**XL-150P PORTABLES**

Band: VHF, UHF, 700/800, 900  
 Product Code: XV

E/C	Model No.	List Price \$	Description
<b>9. Audio Accessories (Cont'd)</b>			
<b>Speaker Microphones (Cont'd)</b>			
N .....	XV-AE1V .....	299.00 .....	SPEAKER MIC, WIRELESS, BLUETOOTH, ADVANCED
N .....	XV-AE4B .....	225.00 .....	SPEAKER MICROPHONE, EMER BUTTON
N .....	XV-AE9N .....	195.00 .....	SPEAKER MICROPHONE
N .....	XV-AE2V .....	190.00 .....	SPEAKER MIC, REVO NC2, C1D2 Features passive noise cancellation, IP-68 immersion, 360-degree clothing clip, 2.5mm earphone jack, PTT/emergency buttons, and Hi/Lo volume slider switch.
N .....	XV-AE1K .....	65.00 .....	EARPHONE, SPEAKER MIC, RIGHT ANGLE, 2.5MM Includes the Cable with 2.5 mm Plug, Transducer, Acoustic Tube, and Earpiece
N .....	XV-AE3Z .....	65.00 .....	EARPHONE, LAPEL MICROPHONE For use with Speaker Mics that have an earphone jack
<b>Surveillance Accessories</b>			
N .....	XV-AE1L .....	825.00 .....	SKULL MIC, W/BODY PTT & EARCUP, XL-150P
N .....	XV-AE1M .....	650.00 .....	THROAT MIC, W/ACOUSTIC TUBE & BODY PTT
N .....	XV-AE1N .....	600.00 .....	THROAT MIC, W/ACOUSTIC TUBE, BODY & RING PTT
<b>Subminiature Remote Control Options</b>			
The following subminiature options are not approved for use in hazardous atmospheres.			
N .....	XV-AE6H .....	215.00 .....	MICROPHONE, MINI-LAPEL, 3-WIRE, BLACK
N .....	XV-AE6G .....	215.00 .....	MICROPHONE, PALM, 2-WIRE, BLACK
N .....	XV-AE6M .....	215.00 .....	MICROPHONE, PALM, 2-WIRE, BEIGE
<b>Headsets</b>			
N .....	XV-AE2A .....	650.00 .....	HEADSET, IN-EAR, BOOM MIC, IN-LINE PTT
N .....	XV-AE2B .....	650.00 .....	HEADSET, LTWT, OTH, SINGLE EAR, IN-LINE PTT
N .....	XV-AE2C .....	650.00 .....	HEADSET, LTWT, BTH, DUAL EAR, IN-LINE PTT
N .....	XV-AE2D .....	650.00 .....	HEADSET, LTWT, BTH, DUAL EAR, PIGTAIL PTT
N .....	XV-AE2E .....	650.00 .....	HEADSET, LTWT, BTH, DUAL IN-EAR, IN-LINE PTT
N .....	XV-AE2F .....	650.00 .....	HEADSET, LTWT, BTH, DUAL IN-EAR, PIGTAIL PTT
N .....	XV-AE2G .....	650.00 .....	HEADSET, BTH, BOOM MIC, EARPIECE, W/PTT
N .....	XV-AE1H .....	650.00 .....	HEADSET, TACTICAL, BOOM MIC, EARPIECE, W/PTT
N .....	XV-AE1P .....	600.00 .....	HEADSET, HEAVY DUTY, BTH, W/PTT, XL-150P
N .....	XV-AE1R .....	600.00 .....	HEADSET, HEAVY DUTY, OTH, W/PTT, XL-150P
<b>10. Carrying Accessories</b>			
N .....	XV-HC4A .....	60.00 .....	BELT LOOP, LEATHER, PREMIUM
N .....	XV-HC3J .....	55.00 .....	STRAP, LEATHER
N .....	XV-HC3L .....	30.00 .....	BELT CLIP, METAL
N .....	XV-HC3K .....	20.00 .....	STRAP, NYLON

**XL-150P PORTABLES**

Band: VHF, UHF, 700/800, 900  
 Product Code: XV

E/C	Model No.	List Price \$	Description
<b>10. Carrying Accessories (Cont'd)</b>			
<b>Standard Cases</b>			
N	XV-HC4Y	120.00	CASE, LEATHER, BLK HDW, BELT LOOP, D-SWIVEL Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery. Case contains no reflective surfaces
N	XV-HC4W	120.00	CASE, LEATHER, BELT LOOP, D-SWIVEL Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery
N	XV-HC4V	100.00	CASE, LEATHER, W/ BELT LOOP, BLK HDW Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery. Case contains no reflective surfaces
N	XV-HC6Y	65.00	CASE, LEATHER, 2.5 IN BELT LOOP, DSWIVEL, HCB For use with any XL portable radio when paired with its corresponding high capacity battery (4800 mAh)
N	XV-HC6Z	55.00	CASE, LEATHER, 3 IN BELT LOOP, HCB For use with any XL portable radio when paired with its corresponding high capacity battery (4800 mAh)
N	XV-HC4Z	60.00	CASE, LEATHER, 2.5 IN BELT LOOP, D-SWIVEL For use with any XL portable radio when paired with its corresponding standard capacity battery (3100 mAh)
N	XV-HC6A	50.00	CASE, LEATHER, 3 IN BELT LOOP For use with any XL portable radio when paired with its corresponding standard capacity battery (3100 mAh)
N	XV-HC4X	80.00	CASE, NYLON, BLK HDW, BELT LOOP, D-SWIVEL Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery. Case contains no reflective surfaces
N	XV-HC4U	80.00	CASE, NYLON, BLACK, BELT LOOP, D-SWIVEL Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery
N	XV-HC4T	75.00	CASE, NYLON, BLACK, MOLLE STRAP Can be used with all XL portable radio and battery combinations that <u>do not include</u> the XL high capacity battery. Case contains no reflective surfaces
<b>Premium Cases</b>			
N	XV-HC4R	200.00	CASE, LEATHER, PREMIUM, SHOULDER STRAP, LTE Only for use with XL portables that <u>have</u> the LTE option installed and using standard batteries (XV-PA3V)
N	XV-HC4P	175.00	CASE, LEATHER, PREM, BELT LOOP, D-SWIVEL, LTE Only for use with XL portables that <u>have</u> the LTE option installed and using standard batteries (XV-PA3V)
N	XV-HC4L	170.00	CASE, LEATHER, PREMIUM, SHOULDER STRAP Only for use with XL portables that <u>do not have</u> the LTE option installed and using standard or UL C1D2 batteries (XV-PA3V)
N	XV-HC4K	145.00	CASE, LEATHER, PREMIUM, BELT LOOP, D-SWIVEL Only for use with XL portables that <u>do not have</u> the LTE option installed and using standard or UL C1D2 batteries (XV-PA3V)

**XL-150P PORTABLES**

Band: VHF, UHF, 700/800, 900

Product Code: XV

E/C	Model No.	List Price \$	Description
<b>11. Miscellaneous</b>			
<b>Connectors</b>			
N .....	XV-ZN7V .....	10.00 .....	COVER, SIDE CONNECTOR, XL-150P
<b>Cables</b>			
N .....	XV-CJ4A .....	230.00 .....	CABLE, DATA INTERFACE, XL-150P
N .....	XV-CJ3A .....	170.00 .....	CABLE, USB, PROGRAMMING
N .....	XV-CJ3B .....	170.00 .....	CABLE, KVL, KEY LOADING
<b>Warranty</b>			
N .....	XV-Y1EWP .....	100.00 .....	SERVICE ASSIST, EXT WARRANTY 1YR, XL150P
N .....	XV-Y2EWP .....	150.00 .....	SERVICE ASSIST, EXT WARRANTY 2YR, XL150P
N .....	XV-Y3EWP .....	200.00 .....	SERVICE ASSIST, EXT WARRANTY 3YR, XL150P

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## XG-75P AND XG-75PE PORTABLES

Band: 700/800, UHF, VHF

Product Code: EV



**Black-Gray  
System**

**Black-Yellow  
System**

**Midnight Black  
System**

The XG-75Pe portables are multi-application radios that can operate on OpenSky®, ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems. The portables have an A-B-C switch.

**All XG-75Pe orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>System 768-861 MHz</b>			
C .....	EVXG-PF78YE .....	1,720.00 .....	PORTABLE, XG-75PE, 768-861 MHZ, SYS, BLK-YEL
C .....	EVXG-PF78ME .....	1,720.00 .....	PORTABLE, XG-75PE, 768-861 MHZ, SYS, BLACK
C .....	EVXG-PF78BE .....	1,690.00 .....	PORTABLE, XG-75PE, 768-861 MHZ, SYS, BLK-GRY
<b>Scan 768-861 MHz</b>			
C .....	EVXG-PB78YE .....	1,555.00 .....	PORTABLE, XG-75PE, 768-861 MHZ, SCAN, BLK-YEL
C .....	EVXG-PB78ME .....	1,555.00 .....	PORTABLE, XG-75PE, 768-861 MHZ, SCAN, BLACK
C .....	EVXG-PB78BE .....	1,535.00 .....	PORTABLE, XG-75PE, 768-861 MHZ, SCAN, BLK-GRY
<b>System 450-512 MHz</b>			
C .....	EVXG-PFU4YE .....	1,720.00 .....	PORTABLE, XG-75PE, 450-512 MHZ, SYS, BLK-YEL
C .....	EVXG-PFU4BE .....	1,690.00 .....	PORTABLE, XG-75PE, 450-512 MHZ, SYS, BLK-GRY
<b>Scan 450-512 MHz</b>			
C .....	EVXG-PBU4YE .....	1,555.00 .....	PORTABLE, XG-75PE, 450-512 MHZ, SCAN, BLK-YEL
C .....	EVXG-PBU4BE .....	1,535.00 .....	PORTABLE, XG-75PE, 450-512 MHZ, SCAN, BLK-GRY
<b>2. Antenna (Select one) (All antenna options are compatible with the UL radio option)</b>			
N .....	EV-NC8D .....	45.00 .....	ANTENNA, ENHANCED, WHIP, 1/2 WAVE 762-870 MHZ
N .....	EV-NC8F .....	40.00 .....	ANTENNA, ENHANCED, WHIP, 1/4 WAVE 762-870 MHZ
N .....	MAEV-NNC5X .....	40.00 .....	ANTENNA, 764-870 MHZ, 1/4 WAVE, WHIP, FM
N .....	EV-NC7A .....	30.00 .....	ANTENNA, 764-870 MHZ, 1/2 WAVE, WHIP
N .....	MAEV-NNC5K .....	30.00 .....	ANTENNA, 764-870 MHZ, 1/2 WAVE, WHIP, FM
N .....	MAEV-NNC1N .....	25.00 .....	ANTENNA, 440-512 MHZ, WHIP
N .....	MAEV-NNC5Y .....	25.00 .....	ANTENNA, 470-512 MHZ, HELICAL
N .....	EVXG-NC1F .....	25.00 .....	ANTENNA, 440-494 MHZ, HELICAL

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

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## XG-75P AND XG-75PE PORTABLES

Band: 700/800, UHF, VHF  
 Product Code: EV



**Black-Gray System    Black-Yellow System    Midnight Black System    Tactical Green System**

The XG-75P portables are multi-application radios that can operate on OpenSky®, ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XG-75 orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>System 378-470 MHz</b>			
C.....	EVXG-PFU1Y .....	1,720.00 .....	PORTABLE, XG-75, 378-470 MHZ, SYS, BLK-YEL
C.....	EVXG-PFU1M .....	1,720.00 .....	PORTABLE, XG-75, 378-470 MHZ, SYS, MIDNT BLK
C.....	EVXG-PFU1G .....	1,720.00 .....	PORTABLE, XG-75, 378-470 MHZ, SYS, TAC GRN
C.....	EVXG-PFU1B .....	1,690.00 .....	PORTABLE, XG-75, 378-470 MHZ, SYS, BLK-GRY
C.....	EVXG-PFU2Y .....	2,205.00 .....	PORTABLE, XG-75, 378-470 MHZ, SYS, 0.1W, YEL
C.....	EVXG-PFU2B .....	2,170.00 .....	PORTABLE, XG-75, 378-470 MHZ, SYS, 0.1W, GRY
<b>Scan 378-470 MHz</b>			
C.....	EVXG-PBU1Y .....	1,555.00 .....	PORTABLE, XG-75, 378-470 MHZ, SCAN, BLK-YEL
C.....	EVXG-PBU1B .....	1,535.00 .....	PORTABLE, XG-75, 378-470 MHZ, SCAN, BLK-GRY
C.....	EVXG-PBU2Y .....	1,995.00 .....	PORTABLE, XG-75, 378-470 MHZ, SCAN, 0.1W, YEL
C.....	EVXG-PBU2B .....	1,970.00 .....	PORTABLE, XG-75, 378-470 MHZ, SCAN, 0.1W, GRY
<b>2. Antenna (Select one) (All antenna options are compatible with the UL radio option)</b>			
N .....	EVXG-NC1F .....	25.00 .....	ANTENNA, 440-494 MHZ, HELICAL This antenna operates up to 470 MHz on the XG-75
N .....	EVXG-NC1U .....	25.00 .....	ANTENNA, 403-430 MHZ, HELICAL, FM
N .....	EVXG-NC1L .....	25.00 .....	ANTENNA, 378-430 MHZ, WHIP, FM
N .....	EVXG-NC5B .....	25.00 .....	ANTENNA, 378-403 MHZ, HELICAL, FM

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**Latest Products and Pricing on the Web**  
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## XG-75P AND XG-75PE PORTABLES

Band: 700/800, UHF, VHF  
Product Code: EV



**Black-Gray System    Black-Yellow System    Midnight Black System    Tactical Green System**

The XG-75P portables are multi-application radios that can operate on OpenSky®, ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XG-75 orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>System 136-174 MHz</b>			
C .....	EVXG-PFV1Y .....	1,720.00 .....	PORTABLE, XG-75, 136-174 MHZ, SYS, BLK-YEL
C .....	EVXG-PFV1M .....	1,720.00 .....	PORTABLE, XG-75, 136-174 MHZ, SYS, MIDNT BLK
C .....	EVXG-PFV1G .....	1,720.00 .....	PORTABLE, XG-75, 136-174 MHZ, SYS, TAC GRN
C .....	EVXG-PFV1B .....	1,690.00 .....	PORTABLE, XG-75, 136-174 MHZ, SYS, BLK-GRY
<b>Scan 136-174 MHz</b>			
C .....	EVXG-PBV1Y .....	1,555.00 .....	PORTABLE, XG-75, 136-174 MHZ, SCAN, BLK-YEL
C .....	EVXG-PBV1B .....	1,535.00 .....	PORTABLE, XG-75, 136-174 MHZ, SCAN, BLK-GRY
<b>2. Antenna (Select one) (All antenna options are compatible with the UL radio option)</b>			
N .....	EVXG-NC5W .....	25.00 .....	ANTENNA, 150-174- MHZ, HELICAL WIDEBAND, FM
N .....	EVXG-NC1C .....	25.00 .....	ANTENNA, 150-162 MHZ, HELICAL, FM
N .....	EVXG-NC1B .....	25.00 .....	ANTENNA, 136-151 MHZ, HELICAL, FM

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**XG-75P AND XG-75PE PORTABLES**

Band: 700/800, UHF, VHF  
 Product Code: EV

**Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.**

**(IS) INTRINSICALLY SAFE APPROVALS**

An accessory description followed by the symbol FM indicates that the option is approved for use with FM certified Intrinsically Safe radios.

E/C	Model No.	List Price \$	Description
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**3. Immersible Mode (This feature upgrades the radio to Immersible operation.)**

N .....MAEV-PKGMR .....240.00 .....OPTION, IMMERSIBLE RADIO OPERATION (applies to any Operational Mode Feature Package)

**4. Operational Mode Packages\***

NB.....MAEV-PKGPT.....950.00 .....FEATURE PACKAGE, P25 TRUNKING  
 NB.....MAEV-PKGED .....950.00 .....FEATURE PACKAGE, EDACS TRUNKING  
 NB.....MAEV-PKGOS .....950.00 .....FEATURE PACKAGE, OPENSky TRUNKING  
 NB.....EV-P25ED .....1,400.00 .....FEATURE PACKAGE, P25 TRUNKING & EDACS  
 NB.....MAEV-PKGNT .....1,400.00 .....FEATURE PACKAGE, OPENSky AND P25 TRUNKED  
 NB.....EV-OSD .....1,400.00 .....FEATURE PACKAGE, OPENSky & EDACS  
 NB.....EV-EPO .....1,700.00 .....FEATURE PACKAGE, P25T, OPENSky & EDACS

**\*All Trunking Operational Mode Packages include Emergency, Dynamic Regroup, ProScan™, Priority System Scan, and 1024 systems/groups.**

**5. HazLoc Option (This feature upgrades the radio to Intrinsically Safe)**

N .....EV-PA3Y .....225.00 .....BATTERY, LI-ION, 2000 MAH, HAZLOC C1D1, UL This option upgrades the radio to UL Intrinsically Safe. It equips the radio with the necessary markings and certifications and a UL C1D1 battery.

**6. Encryption Options\***

N .....EV-PL4U .....0.01 .....FEATURE, SINGLE-KEY DES ENCRYPTION\*\*  
 N .....EV-PL9E .....0.01 .....FEATURE, SINGLE-KEY AES ENCRYPTION\*\*  
 N .....EV-PL8Y .....0.01 .....FEATURE, ENCRYPTION LITE\*\*\*  
 N .....MAEV-NPL3V .....395.00 .....FEATURE, 64B-DES Encryption for P25 and ProVoice  
 N .....MAEV-NPL7M .....495.00 .....FEATURE, 256B-AES Encryption for P25  
 NB.....MAEV-PKG8F .....595.00 .....FEATURE, 256-AES, 64-DES ECP Encryption (Includes 256-B AES Encryption for P25 and 64-B DES Encryption for P25 & ProVoice)  
 N .....MAEV-NPL8D .....695.00 .....FEATURE, 256-AES, OTP Encryption (Includes 256-B AES Encryption for OpenSky)  
 NB.....MAEV-PKG8C .....895.00 .....FEATURE, 256-AES, ECP & OTP, 64-DES, ECP (Includes 256-B AES Encryption for P25 & OpenSky and 64-B DES Encryption for P25 & ProVoice)

**\*Ordering multi-key AES provides full P25 CAP compliance.**

**\*\*Single-Key DES and Single-Key AES are available for P25 Conventional and P25 Trunked operation. Neither is available for EDACS operation.**

**\*\*\*Encryption Lite is standard on digital operational modes and is not available for EDACS. Encryption Lite must be selected in the Product Configurator.**

## XG-75P AND XG-75PE PORTABLES

Band: 700/800, UHF, VHF  
 Product Code: EV

### (IS) INTRINSICALLY SAFE APPROVALS

An accessory description followed by the symbol FM indicates that the option is approved for use with FM certified Intrinsically Safe radios.

E/C	Model No.	List Price \$	Description
<b>7. Software Features</b>			
<b>Software Options</b>			
N	EV-PL4E	240.00	FEATURE, CONVENTIONAL VOTE SCAN
N	MAEV-NPL7K	110.00	FEATURE, DIRECT FREQUENCY ENTRY
N	MAEV-NPL6T	19.50	FEATURE, MDC-1200
N	EV-SP2V	0.01	FEATURE, FEDERAL/INTERNATIONAL STANDARD This feature can only be configured for customers that are NOT FCC regulated such as Federal (NTIA) and International customers.
<b>OpenSky Software Options</b>			
N	MAEV-NPL7Y	315.00	FEATURE, OTAR, OPENSky
N	MAEV-NPL7X	250.00	FEATURE, DATA, OPENSky
<b>ProVoice, EDACS, and P25 Software Options</b>			
N	MAEV-NPL3R	0.01	FEATURE, MAXIMUM (1024+) SYSTEMS/GROUPS*
N	MAEV-NPL5K	265.00	FEATURE, ProFile™ OVER-THE-AIR PROGRAMMING
N	MAEV-NPL7G	110.00	FEATURE, EDACS SECURITY KEY/P25 PERSONALITY LOCK
N	MAEV-NPL7N	60.00	FEATURE, RADIO TEXTLINK
N	MAEV-NPL3Y	55.00	FEATURE, STATUS MESSAGE
*1024+ systems/groups is a standard feature			
<b>ProVoice and EDACS Software Options</b>			
N	EV-PRO	250.00	FEATURE, PROVOICE (Must have Operational Mode Package containing EDACS for this upgrade)
N	MAEV-NPL3X	220.00	FEATURE, EDACS DATA
<b>P25 Software Options</b>			
N	EV-LLA	75.00	FEATURE, LINK LAYER AUTHENTICATION
N	EV-PL8M	150.00	FEATURE, EDATA
N	MAEV-NPL7P	215.00	FEATURE, P25 DATA
N	EVXG-NPL4F	250.00	FEATURE, P25 PHASE 2, TDMA
N	EV-PL8N	150.00	FEATURE, IN-BAND GPS
N	MAEV-NPL5L	495.00	FEATURE, P25 OVER-THE-AIR-REKEYING (OTAR)
<b>8. Battery (Select one)</b>			
For best battery lifecycle quality, shipment of batteries near deployment is advised. For deployment schedules greater than 9 months, shipping batteries separately, at a later date, is recommended. Storing battery packs is not recommended because the chemicals in the battery degrade over time and this affects the functionality of the battery. Batteries that have been stored for longer than their warranty period (12 months) may become non-functional and will not be covered under the L3Harris battery warranty.			
<b>Immersible (Must be ordered with Immersible Mode (MAEV-PKGMR))</b>			
N	MAEV-PA2U	225.00	BATTERY, LI-POLYMER, 3600 MAH
N	EV-PA4B	200.00	BATTERY, LI-ION, 2000 MAH, SPARE, HAZLOC, UL For use as a spare battery with HazLoc radio option EV-PA3Y. Ordering this IS battery for use with a non-IS radio does not produce an Intrinsically Safe radio.

**XG-75P AND XG-75PE PORTABLES**

Band: 700/800, UHF, VHF  
 Product Code: EV

**(IS) INTRINSICALLY SAFE APPROVALS**

An accessory description followed by the symbol FM indicates that the option is approved for use with FM certified Intrinsically Safe radios.

E/C	Model No.	List Price \$	Description
<b>8. Battery (Select one) (Cont'd)</b>			
N	MAEV-NPA9X	160.00	BATTERY, NIMH, 2400 MAH
N	EV-PA3R	105.00	BATTERY, LI-ION, 2400 MAH
<b>Battery Enclosure (Optional)</b>			
N	EV-PA3S	75.00	BATTERY, AA CLAMSHELL Enclosure for AA batteries which are not included. Lithium AA batteries are recommended for use
<b>9. Chargers</b>			
<b>Desk Chargers</b>			
N	EV-CH5X	150.00	CHARGER, 1-BAY, TRI-CHEMISTRY
N	EV-CH5A	895.00	CHARGER, 6-BAY, LI BATTERY
N	EV-CH5Y	825.00	CHARGER, 6-BAY, TRI-CHEMISTRY
N	MAEV-AE4A	100.00	WALL MOUNT KIT, CHARGER, 6-BAY, LI-ION/POLY
<b>10. Audio Accessories</b>			
N	EV-CJ2U	175.00	ADAPTER, XG-75, 6-PIN HIROSE
N	EV-AE1S	179.00	BLUETOOTH, COVERT, EARPIECE/MIC/PTT
<b>Speaker Microphones</b>			
N	EV-AE1W	630.00	SPKR MIC, PREM, FIRE, NC, XG-75P, HI-VIS YEL
N	EV-AE1U	630.00	SPEAKER MIC, PREMIUM, FIRE, NC, XG-75P
N	MAEV-NAE9R	575.00	SPEAKER MIC, GPS Includes Rubber PTT Button, Emergency Button, and GPS-only Antenna. For use with P25, OpenSky, and EDACS
N	EV-AE4K	350.00	SPEAKER MIC, RUGGED, COILED, HIROSE PORT Includes Coiled Cord, Rubber PTT Button, Emergency Button, Hirose Accessory Jack, and Watertight Accessory Connector
N	MAEV-NAE6D	300.00	SPEAKER MIC, PUBLIC SAFETY, RUGGED, FM Includes Straight Cord, Rubber PTT Button, Emergency Button, Antenna Port (Order antenna separately), and Watertight Accessory Connector
N	EV-AE1V	299.00	SPEAKER MIC, WIRELESS, BLUETOOTH, ADVANCED
N	EV-AE2T	299.00	SPEAKER MIC, WIRELESS, BLUETOOTH, ADV, ANZ For use in Australia and New Zealand



**XG-75P AND XG-75PE PORTABLES**

Band: 700/800, UHF, VHF  
 Product Code: EV

**(IS) INTRINSICALLY SAFE APPROVALS**

An accessory description followed by the symbol FM indicates that the option is approved for use with FM certified Intrinsically Safe radios.

E/C	Model No.	List Price \$	Description
<b>10. Audio Accessories (Cont'd)</b>			
<b>Speaker Microphones (Cont'd)</b>			
N .....	EV-AE4C .....	285.00 .....	SPEAKER MIC, RUGGED, COILED, HI-VIS, FM Includes Yellow Rubber PTT Button, Emergency Button, Yellow Removable Grill, Accessory Jack, and Watertight Accessory Connector. Immersion Rated to 1 Meter.
N .....	MAEV-NAE6C .....	260.00 .....	SPEAKER MIC, RUGGED, COILED, FM Includes Rubber PTT Button, Emergency Button, Coiled Cord, and Watertight Accessory Connector. Immersion Rated to 1 Meter.
N .....	MAEV-AE6N .....	175.00 .....	SPEAKER MIC, PUBLIC SAFETY, STRAIGHT, 30 IN. Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port. (Order antenna separately)
N .....	MAEV-AE6L .....	175.00 .....	SPEAKER MIC, STRAIGHT, 25.6 IN. Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port. (Order antenna separately)
N .....	MAEV-AE6M .....	175.00 .....	SPEAKER MIC, PUBLIC SAFETY, STRAIGHT, 18 IN. Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port. (Order antenna separately)
N .....	MAEV-NAE6A .....	160.00 .....	SPEAKER MIC, COILED, FM Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Coiled Cord, and Earphone Jack
N .....	MAEV-NAE9D .....	175.00 .....	SPEAKER MIC, FM Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, and Earphone Jack
N .....	EV-AE1K .....	65.00 .....	EARPHONE, SPEAKER MIC, RIGHT ANGLE, 2.5MM Includes the Cable with 2.5 mm Plug, Transducer, Acoustic Tube, and Earpiece
N .....	MAEV-NAE3Z .....	65.00 .....	EARPHONE, LAPEL MICROPHONE, FM For use with Speaker Mics that have earphone jacks
<b>11. Carrying Accessories</b>			
N .....	EV-HC4A .....	60.00 .....	BELT LOOP, LEATHER, PREMIUM
N .....	MAEV-NHC7T .....	35.00 .....	BELT LOOP, LEATHER WITH SWIVEL
N .....	MAEV-NHC2G .....	20.00 .....	BELT CLIP, Standard
<b>Standard Cases</b>			
N .....	MAEV-NHC2C .....	130.00 .....	CASE, LEATHER WITH BELT LOOP
N .....	MAEV-NHC2D .....	100.00 .....	CASE, LEATHER WITH SHOULDER STRAP
N .....	MAEV-NHC2A .....	80.00 .....	CASE, BLACK NYLON WITH BELT LOOP
N .....	EV-HC3Z .....	75.00 .....	CASE, NYLON, TACTICAL GREEN, MOLLE STRAP
N .....	MAEV-NHC2E .....	15.00 .....	STRAP, LEATHER RETAINING
<b>Premium Cases</b>			
N .....	EV-HC4C .....	150.00 .....	CASE, LEATHER, PREMIUM, XG75/25, SHLDER STRAP
N .....	EV-HC4B .....	170.00 .....	CASE, LEATHER, PREMIUM, XG75/25, BELT LOOP

**XG-75P AND XG-75PE PORTABLES**

Band: 700/800, UHF, VHF  
 Product Code: EV

E/C	Model No.	List Price \$	Description
<b>12. Miscellaneous</b>			
<b>Battery Charger/Analyzer/Conditioner</b>			
V	CADEX-7400	4,100.00	ANALYZER, BATTERY, CADEX, 4-BAY Requires sleeves below
S	AA-018695-001	220.00	ADAPTER, SLEEVE FOR CADEX-7400 SYSTEM FOR NICD/NIMH BATTERIES
<b>Adapters</b>			
N	EV-CJ1R	179.00	ADAPTER, UDC, BLUETOOTH, XG-75P
N	EV-CJ1N	199.00	ADAPTER, UDC, GPS, XG-75P
<b>Knob Kits</b>			
N	EV-ZN2J	25.00	KIT, OVERSIZE KNOB, XG-75/P7300
<b>Label Kits</b>			
N	EV-ZN2K	115.00	KIT, LABEL, REAR, FIRE, XG-75, 16PK
N	EV-ZN2L	155.00	KIT, LABEL, REAR, EMT, XG-75, 16PK
N	EV-ZN2M	120.00	KIT, LABEL, FRONT, RED, XG-75, 20PK
N	EV-ZN2N	120.00	KIT, LABEL, FRONT, GREEN, XG-75, 20PK
N	EV-ZN2P	120.00	KIT, LABEL, FRONT, BLUE, XG-75, 20PK
N	EV-ZN2R	120.00	KIT, LABEL, FRONT, YELLOW, XG-75, 20PK
N	EV-ZN2T	120.00	KIT, LABEL, FRONT, ORANGE, XG-75, 20PK
<b>Cables</b>			
N	CA-023407-001	190.00	CABLE, PROGRAMMING
S	14002-0143-01	312.00	CABLE, PROGRAMMER ADAPTOR, KVL 3000+
N	MAEV-NCJ2A	230.00	CABLE, DATA INTERFACE
<b>Warranty</b>			
N	EV-Y1EWP	60.00	WARRANTY, EXTENDED 1 YR, PORTABLE
N	EV-Y2EWP	110.00	WARRANTY, EXTENDED 2 YR, PORTABLE
N	EV-Y3EWP	160.00	WARRANTY, EXTENDED 3 YR, PORTABLE
<b>Industry Canada</b>			
N	MAEV-NEC1A	5.00	OPTION, INDUSTRY CANADA
<b>Manuals</b>			
V	MM110-XG75	65.00	MANUAL, MAINT, XG-75, VHF
V	MM210-XG75	65.00	MANUAL, MAINT, XG-75, UHF
V	MM780-XG75	65.00	MANUAL, MAINT, XG-75, 700/800 MHZ
V	MM450-XG75	65.00	MANUAL, MAINT, XG-75PE, UHF-H
V	MM785-XG75	65.00	MANUAL, MAINT, XG-75PE, 700/800 MHZ



## **XG-75P AND XG-75PE PORTABLES**

Band: 700/800, UHF, VHF  
Product Code: EV

### **HAZARDOUS LOCATION (HAZLOC)**

**Hazardous Location radios provided by Harris are certified by Underwriters Laboratories (UL).**

**XG-75P and XG-75Pe radios when properly equipped with UL approved batteries and accessories are certified to ANSI/TIA-4950, ANSI/ISA 12.12.01, CAN/CSA-C22.2 No. 157-92, CAN/CSA-C22.2 No. 213-15 standards as suitable for use in Class I, Division 1, Groups C and D; Class II, Division 1, Groups E, F, and G; Class III, Division 1 hazardous locations; Class I, Division 2, Groups A, B, C, and D or non-hazardous (unclassified) locations only.**

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**XG-25P PORTABLES**

Band: VHF, UHF, 700/800

Product Code: DP



**Scan      System**

The XG-25P portables are multi-application radios that can operate on OpenSky®, ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XG-25P orders must be placed through the Product Configurator. The following is for information only.**

**Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.**

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>System 764-870 MHz</b>			
C .....	DPXG-PF78B .....	1,200.00 .....	PORTABLE, XG-25P, 764-870 MHZ, SYSTEM
<b>Scan 764-870 MHz</b>			
C .....	DPXG-PB78B .....	1,100.00 .....	PORTABLE, XG-25P, 764-870 MHZ, SCAN
<b>2. Antenna (Select one)</b>			
N .....	DP-NC8D .....	45.00 .....	ANTENNA, ENHANCED, WHIP, 1/2 WAVE 762-870 MHZ
N .....	DP-NC8F .....	40.00 .....	ANTENNA, ENHANCED, WHIP, 1/4 WAVE 762-870 MHZ
N .....	DP-NC5X .....	40.00 .....	ANTENNA, 764-870 MHZ, 1/4 WAVE WHIP
N .....	DP-NC7A .....	30.00 .....	ANTENNA, 764-870 MHZ, 1/2 WAVE, WHIP

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**XG-25P PORTABLES**

Band: VHF, UHF, 700/800

Product Code: DP



**Scan      System**

The XG-25P portables are multi-application radios that can operate on OpenSky®, ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XG-25P orders must be placed through the Product Configurator. The following is for information only.**

**Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.**

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>System 378-470 MHz</b>			
C.....	DPXG-PFU1B .....	1,200.00 .....	PORTABLE, XG-25P, 378-470 MHZ, SYSTEM
<b>Scan 378-470 MHz</b>			
C.....	DPXG-PBU1B.....	1,100.00 .....	PORTABLE, XG-25P, 378-470 MHZ, SCAN
<b>2. Antenna (Select one)</b>			
N .....	DP-NC1F .....	25.00 .....	ANTENNA, 440-494 MHZ, HELICAL
N .....	DP-NC1U .....	25.00 .....	ANTENNA, 403-430 MHZ, HELICAL
N .....	DP-NC5B.....	25.00 .....	ANTENNA, 378-403 MHZ, HELICAL
N .....	DP-NC1L.....	25.00 .....	ANTENNA, 378-430 MHZ, WHIP

**For keyloader, see section 9.**

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## XG-25P PORTABLES

Band: VHF, UHF, 700/800  
 Product Code: DP



**Scan      System**

The XG-25P portables are multi-application radios that can operate on OpenSky®, ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XG-25P orders must be placed through the Product Configurator. The following is for information only.**

**Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.**

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>System 136-174 MHz</b>			
C .....	DPXG-PFV1B .....	1,200.00 .....	PORTABLE, XG-25P, 136-174 MHZ, SYSTEM
<b>Scan 136-174 MHz</b>			
C .....	DPXG-PBV1B .....	1,100.00 .....	PORTABLE, XG-25P, 136-174 MHZ, SCAN
<b>2. Antenna (Select one)</b>			
N .....	DP-NC5W .....	25.00 .....	ANTENNA, 150-174 MHZ, HELICAL WIDEBAND, FM
N .....	DP-NC1C .....	25.00 .....	ANTENNA, 150-162 MHZ, HELICAL, FM
N .....	DP-NC1B .....	25.00 .....	ANTENNA, 136-151 MHZ, HELICAL, FM

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**XG-25P PORTABLES**

Band: VHF, UHF, 700/800  
 Product Code: DP

**Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.**

E/C	Model No.	List Price \$	Description
<b>3. Operational Mode Packages*</b>			
NB.....	DP-PKGPT .....	750.00 .....	FEATURE PACKAGE, P25 TRUNKING
NB.....	DP-PKGED.....	750.00 .....	FEATURE PACKAGE, EDACS TRUNKING
NB.....	DP-PKGOS.....	750.00 .....	FEATURE PACKAGE, OPENSKEY TRUNKING**
NB.....	DP-P25ED .....	1,200.00 .....	FEATURE PACKAGE, P25 TRUNKING & EDACS
NB.....	DP-PKGNT.....	1,200.00 .....	FEATURE PACKAGE, OPENSKEY AND P25T**
NB.....	DP-OSD .....	1,200.00 .....	FEATURE PACKAGE, OPENSKEY AND EDACS**
NB.....	DP-EPO .....	1,600.00 .....	FEATURE PACKAGE, EDACS, P25T AND OPENSKEY**

\*All Trunking Operational Mode Packages include Emergency, Dynamic Regroup, ProScan™, Priority System Scan and 512 systems/groups.

\*\*For 700/800 MHz radios only.

**4. Encryption Options\***

N .....	DP-PL4U .....	0.01 .....	FEATURE, SINGLE-KEY-DES ENCRYPTION**
N .....	DP-PL9E.....	0.01 .....	FEATURE, SINGLE-KEY AES ENCRYPTION**
N .....	DP-PL8Y .....	0.01 .....	FEATURE, ENCRYPTION LITE***
N .....	DP-PL3V .....	395.00 .....	FEATURE, 64B-DES ENCRYPTION for P25
N .....	DP-PL7M.....	495.00 .....	FEATURE, 256B-AES ENCRYPTION for P25
N .....	DP-PKG8F.....	595.00 .....	FEATURE, 256B-AES, 64B-DES ECP ENCRYPTION for P25
NB.....	DP-PL8D .....	695.00 .....	FEATURE, 256-AES, OTP ENCRYPTION****
NB.....	DP-PKG8C .....	895.00 .....	FEATURE, 256-AES, ECP & OTP, 64-DES, ECP****

\*Ordering multi-key AES provides full P25 CAP compliance.

\*\*Single-Key DES and Single-Key AES are available for P25 Conventional and P25 Trunked operation. Neither is available for EDACS operation.

\*\*\*Encryption Lite is standard on digital operational modes and is not available for EDACS. Encryption Lite must be selected in the Product Configurator.

\*\*\*\*For 700/800 MHz radios only.

**5. Software Features****Software Options**

N .....	DP-PL4E.....	240.00 .....	FEATURE, CONVENTIONAL VOTE SCAN
N .....	DP-PL7K .....	110.00 .....	DIRECT FREQUENCY ENTRY
N .....	DP-PL4N .....	100.00 .....	FEATURE, BLUETOOTH OPERATION
N .....	DP-SP2V.....	0.01 .....	FEATURE, FEDERAL/INTERNATIONAL STANDARD This feature can only be configured for customers that are NOT FCC regulated such as Federal (NTIA) and International customers.

**OpenSky Software Options**

N .....	DP-PL7Y .....	315.00 .....	FEATURE, OTAR, OPENSKEY*
N .....	DP-PL7X .....	250.00 .....	FEATURE, OPENSKEY DATA*

\*For 700/800 MHz radios only.

**XG-25P PORTABLES**

Band: VHF, UHF, 700/800  
 Product Code: DP

**Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.**

E/C	Model No.	List Price \$	Description
<b>5. Software Features (Cont'd)</b>			
<b>ProVoice, EDACS, and P25 Software Options</b>			
N .....	DP-PL7G .....	110.00 .....	FEATURE, ESK/P25 PERSONALITY LOCK
<b>ProVoice and EDACS Software Options</b>			
N .....	DP-PRO .....	250.00 .....	FEATURE, PROVOICE (Must have Operational Mode Package containing EDACS for this upgrade)
N .....	DP-PL3X .....	220.00 .....	FEATURE, EDACS DATA
<b>P25 Software Options</b>			
N .....	DP-PL7Z .....	0.00 .....	FEATURE, 512 SYSTEMS/GROUPS*
N .....	DP-PL5L .....	465.00 .....	FEATURE, P25 OVER-THE-AIR REKEYING
N .....	DP-PL5K .....	265.00 .....	FEATURE, ProFile™ OTAP OVER-THE-AIR PROGRAMMING
N .....	DP-PL4F .....	250.00 .....	FEATURE, P25 PHASE 2, TDMA
N .....	DP-PL8N .....	150.00 .....	FEATURE, IN-BAND GPS
N .....	DP-PL3R .....	215.00 .....	FEATURE, MAXIMUM (1024+) SYSTEMS/GROUPS
N .....	DP-PL7P .....	215.00 .....	FEATURE, P25 DATA
N .....	DP-PL8M .....	150.00 .....	FEATURE, EDATA
N .....	DP-LLA .....	75.00 .....	FEATURE, LINK LAYER AUTHENTICATION
N .....	DP-PL7N .....	60.00 .....	FEATURE, RADIO TEXTLINK
N .....	DP-PL3Y .....	55.00 .....	FEATURE, STATUS MESSAGE
<b>*512 systems/groups is a standard feature</b>			
<b>6. Battery (Select one)</b>			
For best battery lifecycle quality, shipment of batteries near deployment is advised. For deployment schedules greater than 9 months, shipping batteries separately, at a later date, is recommended. Storing battery packs is not recommended because the chemicals in the battery degrade over time and this affects the functionality of the battery. Batteries that have been stored for longer than their warranty period (12 months) may become non-functional and will not be covered under the L3Harris battery warranty.			
N .....	DP-PA2U .....	225.00 .....	BATTERY, LI-POLYMER, 3600 MAH
N .....	DP-PA9X .....	160.00 .....	BATTERY, NIMH, 2400 MAH
N .....	DP-PA3R .....	105.00 .....	BATTERY, LI-ION, 2400 MAH
<b>Battery Enclosure (Optional)</b>			
N .....	DP-PA3S .....	75.00 .....	BATTERY, AA CLAMSHELL Enclosure for AA batteries which are not included. Lithium AA batteries are recommended for use
<b>7. Chargers</b>			
<b>Desk Chargers</b>			
N .....	DP-CH5X .....	150.00 .....	CHARGER, 1-BAY, TRI-CHEMISTRY
N .....	DP-CH5Y .....	825.00 .....	CHARGER, 6-BAY, TRI-CHEMISTRY

**XG-25P PORTABLES**

Band: VHF, UHF, 700/800  
 Product Code: DP

E/C	Model No.	List Price \$	Description
<b>8. Audio Accessories</b>			
N	DP-AE1S	179.00	BLUETOOTH, COVERT, EARPIECE/MIC/PTT
<b>Speaker Microphones</b>			
N	DP-AE1W	630.00	SPKR MIC, PREM, FIRE, NC, XG-25P, HI-VIS YEL
N	DP-AE1U	630.00	SPEAKER MIC, PREMIUM, FIRE, NC, XG-25P
N	DP-AE9R	575.00	SPEAKER MIC, GPS Includes Rubber PTT Button, Emergency Button, and GPS-only Antenna. For use with P25
N	DP-AE4K	350.00	SPEAKER MIC, RUGGED, COILED, HIROSE PORT Includes Coiled Cord, Rubber PTT Button, Emergency Button, Hirose Accessory Jack, and Watertight Accessory Connector
N	DP-AE1V	299.00	SPEAKER MIC, WIRELESS, BLUETOOTH, ADVANCED
N	DP-AE2T	299.00	SPEAKER MIC, WIRELESS, BLUETOOTH, ADV, ANZ For use in Australia and New Zealand
N	DP-AE4C	285.00	SPEAKER MIC, RUGGED, COILED, HI-VIS, FM Includes Yellow Rubber PTT Button, Emergency Button, Yellow Removable Grill, Accessory Jack, and Watertight Accessory Connector. Immersion Rated to 1 Meter.
N	DP-AE6C	260.00	SPEAKER MIC, RUGGED, COILED, FM Includes Rubber PTT Button, Emergency Button, and Watertight Accessory Connector. Immersion Rated to 1 Meter.
N	DP-AE6A	160.00	SPEAKER MIC, COILED FM Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, and Earphone Jack
N	DP-AE9D	175.00	SPEAKER MIC, FM Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, and Earphone Jack
N	DP-AE1K	65.00	EARPHONE, SPEAKER MIC, RIGHT ANGLE, 2.5MM Includes the Cable with 2.5 mm Plug, Transducer, Acoustic Tube, and Earpiece
N	DP-AE3Z	65.00	EARPHONE, LAPEL MICROPHONE For use with Speaker/Mics that have earphone jack
<b>9. Carrying Accessories</b>			
N	DP-HC4A	60.00	BELT LOOP, LEATHER, PREMIUM
N	DP-HC7T	35.00	BELT LOOP, LEATHER, WITH SWIVEL
N	DP-HC7P	20.00	BELT CLIP, METAL
<b>Standard Cases</b>			
N	DP-HC9L	130.00	CASE, LEATHER, W/BELT LOOP, XG-25P
N	DP-HC9S	100.00	CASE, LEATHER W/SHOULDER STRAP, XG-25P
N	DP-HC9M	80.00	CASE, NYLON, BLACK, W/BELT LOOP, XG-25P
N	DP-HC3T	80.00	CASE, NYLON, ORANGE, W/BELT LOOP, XG-25P
N	DP-HC9V	15.00	STRAP, STND, RETAINING, USE W/SHLDER STRAP
<b>Premium Cases</b>			
N	DP-HC4C	150.00	CASE, LEATHER, PREMIUM, XG75/25, SHLDER STRAP
N	DP-HC4B	170.00	CASE, LEATHER, PREMIUM, XG75/25, BELT LOOP



**XG-25P PORTABLES**

Band: VHF, UHF, 700/800

Product Code: DP

E/C	Model No.	List Price \$	Description
<b>10. Miscellaneous</b>			
<b>Battery Charger/Analyzer/Conditioner</b>			
V .....	CADEX-7400 .....	4,100.00 .....	ANALYZER, BATTERY, CADEX, 4-BAY Requires sleeves below
S .....	AA-018695-001 .....	220.00 .....	ADAPTER, SLEEVE FOR CADEX-7400 SYSTEM FOR NICD/NIMH BATTERIES
<b>Adapters</b>			
N .....	DP-CJ1N .....	199.00 .....	ADAPTER, UDC, GPS, XG-25P
<b>Cables</b>			
N .....	CA-023407-001 .....	190.00 .....	CABLE, PROGRAMMING
N .....	14002-0143-01 .....	312.00 .....	CABLE, PROGRAMMER ADAPTOR, KVL 3000+
N .....	DP-CJ2A .....	230.00 .....	CABLE, DATA INTERFACE
<b>Warranty</b>			
N .....	DP-Y1EWP .....	60.00 .....	WARRANTY, EXTENDED 1 YR, PORTABLE
N .....	DP-Y2EWP .....	110.00 .....	WARRANTY, EXTENDED 2 YR, PORTABLE
N .....	DP-Y3EWP .....	160.00 .....	WARRANTY, EXTENDED 3 YR, PORTABLE
<b>Industry Canada</b>			
N .....	DP-EC1A .....	5.00 .....	OPTION, INDUSTRY CANADA
<b>Manuals</b>			
V .....	MM100DP .....	65.00 .....	MANUAL, MAINTENANCE, XG-25P, VHF
V .....	MM400DP .....	65.00 .....	MANUAL, MAINTENANCE, XG-25P, UHF-L
V .....	MM780DP .....	65.00 .....	MANUAL, MAINTENANCE, XG-25P, 700/800 MHZ

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**XG-15P PORTABLE**

Band: VHF, UHF, 700/800

Product Code: XR

**XG-15P**

The XG-15P portables are multi-application radios that can operate on P25 Trunking, P25 Conventional, and Analog Conventional systems.

**All XG-15P orders must be placed through the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
<b>1. Package (All packages below include a 2400 mAh Li-Ion battery, antenna, single-bay tri-chemistry charger, metal belt clip, single-key DES, 512 systems/groups, and the Analog Conventional Operational Mode Package)</b>			
C .....	XR-PF78B-C .....	1,095.00 .....	PORTABLE PKG, XG-15P, 768-861 MHZ, SYSTEM, P25C Includes P25 Conventional and 764-870 MHz 1/4 wave whip antenna Please see the Package listing above for additional contents
C .....	XR-PFU1B-C .....	1,095.00 .....	PORTABLE PKG, XG-15P, 440-512 MHZ, SYSTEM, P25C Includes P25 Conventional and 440-512 MHz whip antenna Please see the Package listing above for additional contents
C .....	XR-PFV1B-C .....	1,095.00 .....	PORTABLE PKG, XG-15P, 136-174 MHZ, SYSTEM, P25C Includes P25 Conventional and 150-174 MHz wideband helical antenna Please see the Package listing above for additional contents
C .....	XR-PF78B-T .....	1,350.00 .....	PORTABLE PKG, XG-15P, 768-861 MHZ, SYSTEM, P25T Includes P25 Trunking and 764-870 MHz 1/4 wave whip antenna Please see the Package listing above for additional contents
C .....	XR-PFU1B-T .....	1,350.00 .....	PORTABLE PKG, XG-15P, 440-512 MHZ, SYSTEM, P25T Includes P25 Trunking and 440-512 MHz whip antenna Please see the Package listing above for additional contents
C .....	XR-PFV1B-T .....	1,350.00 .....	PORTABLE PKG, XG-15P, 136-174 MHZ, SYSTEM, P25T Includes P25 Trunking and 150-174 MHz wideband helical antenna Please see the Package listing above for additional contents

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**XG-15P PORTABLE**

Band: VHF, UHF, 700/800  
 Product Code: XR

**XG-15P**

The XG-15P portables are multi-application radios that can operate on P25 Trunking, P25 Conventional, and Analog Conventional systems.

**All XG-15P orders must be placed through the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
<b>1. Package (All packages below include a 2400 mAh Li-Ion battery, antenna, single-bay tri-chemistry charger, metal belt clip, single-key DES, 512 systems/groups, and the Analog Conventional Operational Mode Package)</b>			
C.....	XR-PF78B-T-PH2 .....	1,795.00 .....	PORTABLE PKG, XG-15P, 768-861 MHz, SYS, P25T, TDMA Includes P25 Phase 2 Trunking and 764-870 MHz 1/4 wave whip antenna Please see the Package listing above for additional contents
C.....	XR-PFU1B-T-PH2 .....	1,795.00 .....	PORTABLE PKG, XG-15P, 440-512 MHz, SYS, P25T, TDMA Includes P25 Phase 2 Trunking and 440-512 MHz whip antenna Please see the Package listing above for additional contents
C.....	XR-PFV1B-T-PH2 .....	1,795.00 .....	PORTABLE PKG, XG-15P, 136-174 MHz, SYS, P25T, TDMA Includes P25 Phase 2 Trunking and 150-174 MHz wideband helical antenna Please see the Package listing above for additional contents

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**XG-15P PORTABLE**

Band: VHF, UHF, 700/800

Product Code: XR

E/C	Model No.	List Price \$	Description
<b>2. Antennas</b>			
N .....	XR-NC8D.....	45.00 .....	ANTENNA, ENHANCED, WHIP, 1/2 WAVE 762-870 MHZ
N .....	XR-NC8F .....	40.00 .....	ANTENNA, ENHANCED, WHIP, 1/4 WAVE 762-870 MHZ
N .....	XR-NC5X.....	40.00 .....	ANTENNA, 764-870 MHZ, 1/4 WAVE WHIP
N .....	XR-NC5K.....	30.00 .....	ANTENNA, 764-870 MHZ, 1/2 WAVE END-FED
N .....	XR-NC1N.....	25.00 .....	ANTENNA, 440-512 MHZ, WHIP
N .....	XR-NC5W.....	25.00 .....	ANTENNA, 150-174 MHZ, HELICAL WIDEBAND
N .....	XR-NC1B.....	25.00 .....	ANTENNA, 136-151 MHZ, HELICAL
<b>3. Encryption</b>			
N .....	XR-PL8Y .....	0.01 .....	FEATURE, ENCRYPTION LITE*
N .....	XR-PL9E .....	0.01 .....	FEATURE, SINGLE-KEY AES ENCRYPTION
*Encryption Lite comes standard on digital operational modes. Encryption Lite must be selected in the Product Configurator.			
Ordering a radio without Encryption Lite provides a fully P25 CAP compliant radio.			
<b>4. Software Features</b>			
N .....	XR-PL5K.....	265.00 .....	FEATURE, PROFILE™ OTAP OVER-THE-AIR PRGM
N .....	XR-PL8N.....	150.00 .....	FEATURE, IN-BAND GPS
N .....	XR-PL4E .....	240.00 .....	FEATURE, CONVENTIONAL VOTE SCAN
N .....	XR-PL7G.....	110.00 .....	FEATURE, ESK/P25 PERSONALITY LOCK
N .....	XR-LLA .....	75.00 .....	FEATURE, LINK LAYER AUTHENTICATION
N .....	XR-PL7N.....	60.00 .....	FEATURE, RADIO TEXTLINK
N .....	XR-PL3Y .....	55.00 .....	FEATURE, STATUS MESSAGE
N .....	XR-PL6T .....	19.50 .....	FEATURE, MDC-1200
N .....	XR-SP2V .....	0.01 .....	FEATURE, FEDERAL/INTERNATIONAL STANDARD This feature can only be configured for customers that are NOT FCC regulated such as Federal (NTIA) and International customers.
<b>5. Battery</b>			
For best battery lifecycle quality, shipment of batteries near deployment is advised. For deployment schedules greater than 9 months, shipping batteries separately, at a later date, is recommended Storing battery packs is not recommended because the chemicals in the battery degrade over time and this affects the functionality of the battery. Batteries that have been stored for longer than their warranty period (12 months) may become non-functional and will not be covered under the L3Harris battery warranty.			
N .....	XR-PA3R .....	105.00 .....	BATTERY, LI-ION, 2400 MAH
<b>6. Chargers</b>			
N .....	XR-CH5X.....	150.00 .....	CHARGER, 1-BAY, TRI-CHEMISTRY
N .....	XR-CH5Y.....	825.00 .....	CHARGER, 6-BAY, TRI-CHEMISTRY

**XG-15P PORTABLE**

Band: VHF, UHF, 700/800  
 Product Code: XR

E/C	Model No.	List Price \$	Description
<b>7. Audio Accessories</b>			
<b>Speaker Microphones</b>			
N	XR-AE1W	630.00	SPKR MIC, PREM, FIRE, NC, XG-15P, HI-VIS YEL
N	XR-AE9R	575.00	SPEAKER MIC, GPS Includes Rubber PTT Button, Emergency Button, and GPS-only Antenna. For use with P25
N	XR-AE1V	299.00	SPEAKER MIC, WIRELESS, BLUETOOTH, ADVANCED
N	XR-AE2T	299.00	SPEAKER MIC, WIRELESS, BLUETOOTH, ADV, ANZ For use in Australia and New Zealand
N	XR-AE6C	260.00	SPEAKER MIC, RUGGED, COILED
N	XR-AE6A	160.00	SPEAKER MIC, COILED Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, and Earphone Jack
<b>8. Carrying Accessories</b>			
N	XR-HC7P	20.00	BELT CLIP, METAL
N	XR-NHC9S	100.00	CASE, STND, LEATHER W/SHOULDER STRAP KIT
N	XR-NHC9T	60.00	CASE, STND, LEATHER W/ BELT LOOP & SWIVEL
N	XR-NHC9U	45.00	CASE, STND, BLK NYLON W/BELT LOOP/SWIVEL
N	XR-NHC9V	15.00	STRAP, STND, RETAINING, USE W/SHLDER STRAP
<b>9. Miscellaneous</b>			
<b>Adapters</b>			
N	XR-CJ1R	179.00	ADAPTER, UDC, BLUETOOTH, XG-15P
N	XR-CJ1N	199.00	ADAPTER, UDC, GPS, XG-15P
<b>Cables</b>			
N	CA-023407-001	190.00	CABLE, PROGRAMMING
N	14002-0143-01	312.00	CABLE, PROGRAMMER ADAPTOR, KVL 3000+
<b>Warranty</b>			
N	XR-Y1EWP	60.00	WARRANTY, EXTENDED 1 YR, PORTABLE
N	XR-Y2EWP	110.00	WARRANTY, EXTENDED 2 YR, PORTABLE
N	XR-Y3EWP	160.00	WARRANTY, EXTENDED 3 YR, PORTABLE
<b>Industry Canada</b>			
N	XR-EC1A	5.00	OPTION, INDUSTRY CANADA
<b>Manuals</b>			
V	MM100XR	65.00	MANUAL, MAINT, XG-15P, VHF
V	MM450XR	65.00	MANUAL, MAINT, XG-15P, UHF-H
V	MM780XR	65.00	MANUAL, MAINT, XG-15P, 700/800 MHZ

**P7300 PORTABLES**

Band: 700/800

Product Code: EV

**P7350    P7370**

The P7300 portables are multi-mode radios that can operate on OpenSky®, ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All P7300 orders must be placed through the Product Configurator. The following is for information only.**

**Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.**

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>P7350</b>			
C .....	MAEV-S7HXX .....	2,290.00 .....	PORTABLE, P7350, 764-870 MHZ, SCAN
<b>2. Antenna (Select one)</b>			
N .....	EV-NC8D .....	45.00 .....	ANTENNA, ENHANCED, WHIP, 1/2 WAVE 762-870 MHZ
N .....	EV-NC8F .....	40.00 .....	ANTENNA, ENHANCED, WHIP, 1/4 WAVE 762-870 MHZ
N .....	MAEV-NNC5X .....	40.00 .....	ANTENNA, 764-870 MHZ, 1/4 WAVE, WHIP, FM
N .....	EV-NC7A .....	30.00 .....	ANTENNA, 764-870 MHZ, 1/2 WAVE, WHIP
N .....	MAEV-NNC5K .....	30.00 .....	ANTENNA, 764-870 MHZ, 1/2 WAVE, WHIP, FM

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**P7300 PORTABLES**

Band: 700/800

Product Code: EV

**Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.****(IS) INTRINSICALLY SAFE APPROVALS**

An accessory description followed by the symbol FM indicates that the option is approved for use with FM certified Intrinsically Safe radios.

E/C	Model No.	List Price \$	Description
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**3. Immersible Mode (This feature upgrades the radio to Immersible operation.)**

N	MAEV-PKGMR	240.00	IMMERSIBLE RADIO OPERATION (applies to any Operational Mode Feature Package)
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**4. Operational Mode Packages\***

NB	MAEV-PKGPT	950.00	FEATURE PACKAGE, P25 TRUNKING
NB	MAEV-PKGED	950.00	FEATURE PACKAGE, EDACS TRUNKING
NB	MAEV-PKGOS	950.00	FEATURE PACKAGE, OPENSky TRUNKING
NB	EV-P25ED	1,400.00	FEATURE PACKAGE, P25 TRUNKING & EDACS
NB	MAEV-PKGNT	1,400.00	FEATURE PACKAGE, OPENSky AND P25 TRUNKED
NB	EV-OSD	1,400.00	FEATURE PACKAGE, OPENSky & EDACS
NB	EV-EPO	1,700.00	FEATURE PACKAGE, P25T, OPENSky & EDACS

**\*All Trunking Operational Mode Packages include Emergency, Dynamic Regroup, ProScan™, Priority System Scan, and 1024 systems/groups.**

**5. HazLoc Option (This feature upgrades the radio to Factory Mutual Intrinsically Safe)**

N	EV-PA3Z	190.00	BATTERY, LI-ION, 2000 MAH, RADIO, FM C1D2 This option upgrades the radio to Factory Mutual Intrinsically Safe C1D2. It equips the radio with the necessary markings and certifications and an (FM) battery.
N	EV-PA4C	185.00	BATTERY, NIMH, 2400 MAH, RADIO, FM C1D2 This option upgrades the radio to Factory Mutual Intrinsically Safe C1D2. It equips the radio with the necessary markings and certifications and an (FM) battery.

**6. Encryption Options**

N	EV-PL4U	0.01	FEATURE, SINGLE-KEY DES ENCRYPTION*
N	MAEV-NPL3V	395.00	FEATURE, 64B-DES Encryption for P25 and ProVoice
N	MAEV-NPL7M	495.00	FEATURE, 256B-AES Encryption for P25
NB	MAEV-PKG8F	595.00	FEATURE, 256-AES, 64-DES ECP Encryption (Includes 256-B AES Encryption for P25 and 64-B DES Encryption for P25 & ProVoice)
N	MAEV-NPL8D	695.00	FEATURE, 256-AES, OTP Encryption (Includes 256-B AES Encryption for OpenSky)
NB	MAEV-PKG8C	895.00	FEATURE, 256-AES, ECP & OTP, 64-DES, ECP (Includes 256-B AES Encryption for P25 & OpenSky and 64-B DES Encryption for P25 & ProVoice)

**\*Single-Key DES comes standard on digital operational modes; it is not available in EDACS.**



**P7300 PORTABLES**

Band: 700/800

Product Code: EV

**Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.****(IS) INTRINSICALLY SAFE APPROVALS**

An accessory description followed by the symbol FM indicates that the option is approved for use with FM certified Intrinsically Safe radios.

E/C	Model No.	List Price \$	Description
<b>7. Software Features</b>			
<b>Software Options</b>			
N .....	EV-PL4E .....	240.00 .....	FEATURE, CONVENTIONAL VOTE SCAN
N .....	MAEV-NPL6T .....	19.50 .....	FEATURE, MDC-1200
N .....	EV-SP2V .....	0.01 .....	FEATURE, FEDERAL/INTERNATIONAL STANDARD This feature can only be configured for customers that are NOT FCC regulated such as Federal (NTIA) and International customers.
<b>OpenSky Software Options</b>			
N .....	MAEV-NPL7Y .....	315.00 .....	FEATURE, OTAR, OPENSky
N .....	MAEV-NPL7X .....	250.00 .....	FEATURE, DATA, OPENSky
<b>ProVoice, EDACS, and P25 Software Options</b>			
N .....	MAEV-NPL3R .....	0.00 .....	FEATURE, MAXIMUM (1,024+) SYSTEMS/GROUPS*
N .....	MAEV-NPL5K .....	265.00 .....	FEATURE, ProFile™ OTAP OVER-THE-AIR PROGRAMMING
N .....	MAEV-NPL7G .....	110.00 .....	FEATURE, EDACS SECURITY KEY/P25 PERSONALITY LOCK
N .....	MAEV-NPL7N .....	60.00 .....	FEATURE, RADIO TEXTLINK
N .....	MAEV-NPL3Y .....	55.00 .....	FEATURE, STATUS MESSAGE
<b>*1024+ systems/groups is a standard feature</b>			
<b>ProVoice and EDACS Software Options</b>			
N .....	EV-PRO .....	250.00 .....	FEATURE, PROVOICE (Must have Operational Mode Package containing EDACS for this upgrade)
N .....	MAEV-NPL3X .....	220.00 .....	FEATURE, EDACS DATA
<b>P25 Software Options</b>			
N .....	EV-LLA .....	75.00 .....	FEATURE, LINK LAYER AUTHENTICATION
N .....	MAEV-NPL7P .....	215.00 .....	FEATURE, P25 DATA
N .....	EVXG-NPL4F .....	250.00 .....	FEATURE, P25 PHASE 2, TDMA
N .....	MAEV-NPL5L .....	495.00 .....	FEATURE, P25 OTAR OVER-THE-AIR REKEYING
<b>8. Battery (Select one)</b>			
For best battery lifecycle quality, shipment of batteries near deployment is advised. For deployment schedules greater than 9 months, shipping batteries separately, at a later date, is recommended. Storing battery packs is not recommended because the chemicals in the battery degrade over time and this affects the functionality of the battery. Batteries that have been stored for longer than their warranty period (12 months) may become non-functional and will not be covered under the L3Harris battery warranty.			
<b>Immersible (Must be ordered with Immersible Mode (MAEV-PKGMR))</b>			
N .....	MAEV-PA2U .....	225.00 .....	BATTERY, LI-POLYMER, 3600 MAH
N .....	MAEV-NPA9X .....	160.00 .....	BATTERY, NIMH, IMMERSIBLE, 2400 MAH
N .....	EV-PA3R .....	105.00 .....	BATTERY, LI-ION, 2400 MAH
S .....	BT-023406-004 .....	230.00 .....	BATTERY, NIMH, 2400 MAH, FM* For use as a spare battery with Intrinsically Safe radio option MAEV-NPA2A. Ordering this IS battery for use with a non-IS radio does not produce an Intrinsically Safe radio.
<b>*FM option availability is limited to existing stock. Intent to cancel.</b>			
<b>Battery Enclosure (Optional)</b>			
N .....	EV-PA3S .....	75.00 .....	BATTERY, AA CLAMSHELL Enclosure for AA batteries which are not included. Lithium AA batteries are recommended for use

**P7300 PORTABLES**

Band: 700/800

Product Code: EV

**(IS) INTRINSICALLY SAFE APPROVALS**

An accessory description followed by the symbol FM indicates that the option is approved for use with FM certified Intrinsically Safe radios.

E/C	Model No.	List Price \$	Description
<b>9. Chargers</b>			
<b>Desk Chargers</b>			
N	EV-CH5X	150.00	CHARGER, 1-BAY, TRI-CHEMISTRY
N	EV-CH5A	895.00	CHARGER, 6-BAY, LI BATTERY
N	EV-CH5Y	825.00	CHARGER, 6-BAY, TRI-CHEMISTRY
N	MAEV-AE4A	100.00	WALL MOUNT KIT, CHARGER, 6-BAY, LI-ION/POLY
<b>10. Audio Accessories</b>			
<b>Speaker Microphones</b>			
N	EV-AE1W	630.00	SPKR MIC, PREM, FIRE, NC, XG-75P, HI-VIS YEL
N	EV-AE1U	630.00	SPEAKER MIC, PREMIUM, FIRE, NC, XG-75P
N	MAEV-NAE9R	575.00	SPEAKER MIC, GPS Includes Rubber PTT Button, Emergency Button, and GPS-only Antenna. For use with P25, OpenSky, and EDACS
N	EV-AE4K	350.00	SPEAKER MIC, RUGGED, COILED, HIROSE PORT Includes Coiled Cord, Rubber PTT Button, Emergency Button, Hirose Accessory Jack, and Watertight Accessory Connector
N	MAEV-NAE6D	300.00	SPEAKER MIC, PUBLIC SAFETY, RUGGED, FM Includes Straight Cord, Rubber PTT Button, Emergency Button, Antenna Port (Order antenna separately), and Watertight Accessory Connector
N	EV-AE4C	285.00	SPEAKER MIC, RUGGED, COILED, HI-VIS, FM Includes Yellow Rubber PTT Button, Emergency Button, Yellow Removable Grill, Accessory Jack, and Watertight Accessory Connector. Immersion Rated to 1 Meter.
N	MAEV-NAE6C	260.00	SPEAKER MIC, RUGGED, COILED, FM Includes Rubber PTT Button, Emergency Button, Coiled Cord, and Watertight Accessory Connector. Immersion Rated to 1 Meter.
N	MAEV-AE6N	175.00	SPEAKER MIC, PUBLIC SAFETY, STRAIGHT, 30 IN. Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port. (Order antenna separately)
N	MAEV-AE6L	175.00	SPEAKER MIC, STRAIGHT, 25.6 IN. Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port. (Order antenna separately)
N	MAEV-AE6M	175.00	SPEAKER MIC, PUBLIC SAFETY, STRAIGHT, 18 IN. Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port. (Order antenna separately)
N	MAEV-NAE6A	160.00	SPEAKER MIC, COILED, FM Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Coiled Cord, and Earphone Jack

**P7300 PORTABLES**

Band: 700/800

Product Code: EV

E/C	Model No.	List Price \$	Description
<b>10. Audio Accessories (Cont'd)</b>			
<b>Speaker Microphones (Cont'd)</b>			
N .....	MAEV-NAE9D .....	175.00 .....	SPEAKER MIC, FM Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, and Earphone Jack
N .....	EV-AE1K .....	65.00 .....	EARPHONE, SPEAKER MIC, RIGHT ANGLE, 2.5MM Includes the Cable with 2.5 mm Plug, Transducer, Acoustic Tube, and Earpiece
N .....	MAEV-NAE3Z .....	65.00 .....	EARPHONE, LAPEL MICROPHONE, FM For use with Speaker Mics that have earphone jacks
<b>11. Carrying Accessories</b>			
N .....	EV-HC4A .....	60.00 .....	BELT LOOP, LEATHER, PREMIUM
N .....	MAEV-NHC7T .....	35.00 .....	BELT LOOP, LEATHER WITH SWIVEL
N .....	MAEV-NHC2G .....	20.00 .....	BELT CLIP, Standard
<b>Standard Cases</b>			
N .....	MAEV-NHC2C .....	130.00 .....	CASE, LEATHER WITH BELT LOOP
N .....	MAEV-NHC2D .....	100.00 .....	CASE, LEATHER WITH SHOULDER STRAP
N .....	MAEV-NHC2A .....	80.00 .....	CASE, BLACK NYLON WITH BELT LOOP
N .....	MAEV-NHC2E .....	15.00 .....	STRAP, LEATHER RETAINING
<b>Premium Cases</b>			
N .....	EV-HC4C .....	150.00 .....	CASE, LEATHER, PREMIUM, XG75/25, SHLDER STRAP
N .....	EV-HC4B .....	170.00 .....	CASE, LEATHER, PREMIUM, XG75/25, BELT LOOP
<b>12. Miscellaneous</b>			
<b>Battery Charger/Analyzer/Conditioner</b>			
V .....	CADEX-7400 .....	4,100.00 .....	ANALYZER, BATTERY, CADEX, 4-BAY Requires sleeves below
S .....	AA-018695-001 .....	220.00 .....	ADAPTER, SLEEVE FOR CADEX-7400 SYSTEM FOR NICD/NIMH BATTERIES
<b>Adapters</b>			
N .....	EV-CJ1R .....	179.00 .....	ADAPTER, UDC, BLUETOOTH, XG-75P
N .....	EV-CJ1N .....	199.00 .....	ADAPTER, UDC, GPS, XG-75P
<b>Knob Kits</b>			
N .....	EV-ZN2J .....	25.00 .....	KIT, OVERSIZE KNOB, XG-75/P7300
<b>Cables</b>			
N .....	CA-023407-001 .....	190.00 .....	CABLE, PROGRAMMING
S .....	14002-0143-01 .....	312.00 .....	CABLE, PROGRAMMER ADAPTOR, KVL 3000+
N .....	MAEV-NCJ2A .....	230.00 .....	CABLE, DATA INTERFACE
<b>Warranty</b>			
N .....	EV-Y1EWP .....	60.00 .....	WARRANTY, EXTENDED 1 YR, PORTABLE
N .....	EV-Y2EWP .....	110.00 .....	WARRANTY, EXTENDED 2 YR, PORTABLE
N .....	EV-Y3EWP .....	160.00 .....	WARRANTY, EXTENDED 3 YR, PORTABLE
<b>Industry Canada</b>			
N .....	MAEV-NEC1A .....	5.00 .....	OPTION, INDUSTRY CANADA
<b>Manuals</b>			
V .....	MAMM-780EV .....	65.00 .....	MANUAL, MAINTENANCE, P7300 SERIES (700/800 MHZ)

## **P7300 PORTABLES**

Band: 700/800

Product Code: EV

### **HAZARDOUS LOCATION (HAZLOC)**

**Hazardous Location radios provided by Harris are certified by Factory Mutual (FM).**

**As of May 23, 2016, P-series (specifically P7300 and P5300) FM approved radios manufactured by Harris shall be re-classified from Intrinsically Safe Class I, Division 1, Group D; Class II, Division 1, Groups F and G; Class III Division 1; Nonincendive Class I, Division 2, Groups A, B, C, and D to Nonincendive Class I, Division 2, Groups A, B, C, and D.**

**The HAZLOC reclassification is not a result of a product design change by Harris, but rather an industry-wide re-classification of all FM approved radios originally certified under FM 3610:1988 standards. Harris FM approved radios are not any less safe as a result of this industry standard change.**

## P5500 PORTABLES

Band: UHF

Product Code: EX



**P5550**

**P5570**

The P5500 portables are multi-application radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All P5500 orders must be placed through the Product Configurator. The following is for information only.**

Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>P5570 335-380 MHz</b>			
C .....	EX55-PFU3B .....	1,400.00 .....	PORTABLE, P5570, 335-380 MHZ, SYSTEM, Unencrypted
<b>P5550 335-380 MHz</b>			
C .....	EX55-PBU3B .....	1,300.00 .....	PORTABLE, P5550, 335-380 MHZ, SCAN, Unencrypted
<b>2. Antenna (Select one)</b>			
N .....	EX-AN7B .....	25.00 .....	ANTENNA, 335-380 MHZ, HELICAL
N .....	EX-AN7C .....	25.00 .....	ANTENNA, 335-380 MHZ, 1/4 WAVE

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**P5500 PORTABLES**

Band: UHF

Product Code: EX

**Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.**

E/C	Model No.	List Price \$	Description
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**3. Operational Mode Packages\***

NB.....	MAEX-PKGPT.....	750.00	.....FEATURE PACKAGE, P25 TRUNKING
NB.....	MAEX-PKGED.....	750.00	.....FEATURE PACKAGE, EDACS TRUNKING
NB.....	EX-P25ED.....	1,200.00	.....FEATURE PACKAGE, P25 TRUNKING & EDACS

**\*All Trunking Operational Mode Packages include Emergency, Dynamic Regroup, ProScan™, Priority System Scan, and 512 systems/groups.**

**4. Encryption Options**

N.....	EX-PL4U.....	0.01	.....FEATURE, SINGLE-KEY DES ENCRYPTION*
N.....	MAEX-NPL3V.....	395.00	.....FEATURE, 64B-DES Encryption for P25 and ProVoice
N.....	MAEX-NPL7M.....	495.00	.....FEATURE, 256B-AES Encryption for P25
NB.....	MAEX-PKG8F.....	595.00	.....FEATURE, 256-AES, 64-DES ECP Encryption (Includes 256-B AES Encryption for P25 and 64-B DES Encryption for P25 & ProVoice)

**\*Single-Key DES comes standard on digital operational modes; it is not available in EDACS.**

**5. Software Features****Software Options**

N.....	EX-PL4E.....	240.00	.....FEATURE, CONVENTIONAL VOTE SCAN
N.....	MAEX-NPL6T.....	19.50	.....FEATURE, MDC-1200
N.....	EX-SP2V.....	0.01	.....FEATURE, FEDERAL/INTERNATIONAL STANDARD This feature can only be configured for customers that are NOT FCC regulated such as Federal (NTIA) and International customers.

**ProVoice, EDACS, and P25 Software Options**

N.....	MAEX-NPL7Z.....	0.00	.....FEATURE, 512 SYSTEMS/GROUPS*
N.....	MAEX-NPL5K.....	265.00	.....FEATURE, ProFile™ OVER-THE-AIR PROGRAMMING
N.....	MAEX-NPL3R.....	215.00	.....FEATURE, MAXIMUM (1,024+) SYSTEMS/GROUPS
N.....	MAEX-NPL7G.....	110.00	.....FEATURE, EDACS SECURITY KEY/P25 PERSONALITY LOCK
N.....	MAEX-NPL7N.....	60.00	.....FEATURE, RADIO TEXTLINK
N.....	MAEX-NPL3Y.....	55.00	.....FEATURE, STATUS MESSAGE

**\*512 systems/groups is a standard feature**

**ProVoice and EDACS Software Options**

N.....	EX-PRO.....	250.00	.....FEATURE, PROVOICE (Must have Operational Mode Package containing EDACS for this upgrade)
N.....	MAEX-NPL3X.....	220.00	.....FEATURE, EDACS DATA

**P25 Software Options**

N.....	EX-LLA.....	75.00	.....FEATURE, LINK LAYER AUTHENTICATION
N.....	EX55-NPL4F.....	250.00	.....FEATURE, P25 PHASE 2, TDMA
N.....	MAEX-NPL7P.....	215.00	.....FEATURE, P25 DATA
N.....	MAEX-NPL5L.....	495.00	.....FEATURE, P25 OVER-THE-AIR-REKEYING (OTAR)

**P5500 PORTABLES**

Band: UHF

Product Code: EX

**Transceiver, Antenna, and Battery must be ordered for a complete operating radio package.**

E/C	Model No.	List Price \$	Description
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**6. Battery (Select one)**

For best battery lifecycle quality, shipment of batteries near deployment is advised. For deployment schedules greater than 9 months, shipping batteries separately, at a later date, is recommended. Storing battery packs is not recommended because the chemicals in the battery degrade over time and this affects the functionality of the battery. Batteries that have been stored for longer than their warranty period (12 months) may become non-functional and will not be covered under the L3Harris battery warranty.

N .....	MAEX-NPA9X .....	160.00 .....	BATTERY, NIMH, 2400 MAH
N .....	MAEX-PA2U .....	225.00 .....	BATTERY, LI-POLYMER, 3600 MAH
N .....	EX-PA3R .....	105.00 .....	BATTERY, LI-ION, 2400 MAH

**Battery Enclosure (Optional)**

N .....	EX-PA3S .....	75.00 .....	BATTERY, AA CLAMSHELL Enclosure for AA batteries which are not included. Lithium AA batteries are recommended for use
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**7. Chargers****Rapid Chargers**

N .....	EX-CH5X .....	150.00 .....	CHARGER, 1-BAY, TRI-CHEMISTRY
N .....	EX-CH5Y .....	825.00 .....	CHARGER, 6-BAY, TRI-CHEMISTRY
N .....	EX-CH5A .....	895.00 .....	CHARGER, 6-BAY, LI BATTERY
N .....	MAEX-AE4A .....	100.00 .....	WALL MOUNT KIT, CHARGER, 6-BAY, LI-ION/POLY

**8. Audio Accessories****Speaker Microphones**

N .....	EX-AE1W .....	630.00 .....	SPKR MIC, PREM, FIRE, NC, P55/54, HI-VIS YEL
N .....	EX-AE1U .....	630.00 .....	SPEAKER MIC, PREMIUM, FIRE, NC, P55/54/5300
N .....	MAEX-NAE9R .....	575.00 .....	SPEAKER MIC, GPS Includes Rubber PTT Button, Emergency Button, and GPS only Antenna. For use with P25, OpenSky, and EDACS
N .....	EX-AE4K .....	350.00 .....	SPEAKER MIC, RUGGED, COILED, HIROSE PORT Includes Coiled Cord, Rubber PTT Button, Emergency Button, Hirose Accessory Jack, and Watertight Accessory Connector
N .....	MAEX-NAE6D .....	300.00 .....	SPEAKER MIC, PUBLIC SAFETY, RUGGED, FM Includes Straight Cord, Rubber PTT Button, Emergency Button, Antenna Port (Order antenna separately), and Watertight Accessory Connector
N .....	EX-AE4C .....	285.00 .....	SPEAKER MIC, RUGGED, COILED, HI-VIS, FM Includes Yellow Rubber PTT Button, Emergency Button, Yellow Removable Grill, Accessory Jack, and Watertight Accessory Connector. Immersion Rated to 1 Meter.
N .....	MAEX-NAE6C .....	260.00 .....	SPEAKER MIC, RUGGED, COILED, FM Includes Rubber PTT Button, Emergency Button, Coiled Cord, and Watertight Accessory Connector. Immersion Rated to 1 Meter.

**P5500 PORTABLES**

Band: UHF

Product Code: EX

E/C	Model No.	List Price \$	Description
<b>8. Audio Accessories (Cont'd)</b>			
<b>Speaker Microphones (Cont'd)</b>			
N .....	MAEX-AE6N .....	175.00 .....	SPEAKER MIC, PUBLIC SAFETY, STRAIGHT, 30 IN. Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port. (Order antenna separately)
N .....	MAEX-AE6L .....	175.00 .....	SPEAKER MIC, STRAIGHT, 25.6 IN. Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port. (Order antenna separately)
N .....	MAEX-AE6M .....	175.00 .....	SPEAKER MIC, PUBLIC SAFETY, STRAIGHT, 18 IN. Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port. (Order antenna separately)
N .....	MAEX-NAE6A .....	160.00 .....	SPEAKER MIC, COILED, FM Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Coiled Cord, and Earphone Jack
N .....	MAEX-NAE9D .....	175.00 .....	SPEAKER MIC, FM Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, and Earphone Jack
N .....	EX-AE1K .....	65.00 .....	EARPHONE, SPEAKER MIC, RIGHT ANGLE, 2.5MM Includes the Cable with 2.5 mm Plug, Transducer, Acoustic Tube, and Earpiece
N .....	MAEX-NAE3Z .....	65.00 .....	EARPHONE, LAPEL MICROPHONE, FM For use with Speaker/Mics that have earphone jacks
<b>9. Carrying Accessories</b>			
N .....	EX-HC4A .....	60.00 .....	BELT LOOP, LEATHER, PREMIUM
N .....	MAEX-NHC7P .....	20.00 .....	BELT CLIP, METAL
<b>Cases</b>			
N .....	MAEX-NHC9S .....	100.00 .....	CASE, STANDARD, LEATHER WITH SHOULDER STRAP KIT
N .....	MAEX-NHC9T .....	60.00 .....	CASE, STANDARD, LEATHER WITH BELT LOOP & SWIVEL
N .....	MAEX-NHC9U .....	45.00 .....	CASE, STANDARD, BLACK NYLON WITH BELT LOOP & SWIVEL
N .....	MAEX-NHC9V .....	15.00 .....	STRAP, STANDARD, RETAINING, USE WITH SHOULDER STRAP



**P5500 PORTABLES**

Band: UHF

Product Code: EX

E/C	Model No.	List Price \$	Description
<b>10. Miscellaneous</b>			
<b>Battery Charger/Analyzer/Conditioner</b>			
V	CADEX-7400	4,100.00	ANALYZER, BATTERY, CADEX, 4-BAY Requires sleeves below
S	AA-018695-001	220.00	ADAPTER, SLEEVE FOR CADEX-7400 SYSTEM FOR NICD/NIMH BATTERIES
<b>Adapters</b>			
N	EX-CJ1R	179.00	ADAPTER, UDC, BLUETOOTH, P55/54/5300
N	EX-CJ1N	199.00	ADAPTER, UDC, GPS, P55/54/5300
<b>Cables</b>			
S	CA-023407-001	190.00	CABLE, PROGRAMMING
S	14002-0143-01	312.00	CABLE, PROGRAMMER ADAPTOR, KVL 3000+
N	MAEX-NCJ2A	230.00	CABLE, DATA INTERFACE
<b>Warranty</b>			
N	EX-Y1EWP	60.00	WARRANTY, EXTENDED 1 YR, PORTABLE
N	EX-Y2EWP	110.00	WARRANTY, EXTENDED 2 YR, PORTABLE
N	EX-Y3EWP	160.00	WARRANTY, EXTENDED 3 YR, PORTABLE
<b>Industry Canada</b>			
N	MAEX-NEC1A	5.00	OPTION, INDUSTRY CANADA
<b>Manuals</b>			
V	MM210EX	65.00	MANUAL, MAINTENANCE, P5500, UHF

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**XL-200M MOBILES**

Band: VHF, UHF, 700/800, 900  
 Product Code: XZ

**XL-200M Mobile with XL-CH****XL-200M Desktop Cabinet**

The XL-200M mobiles are multi-mode radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-200M orders must be placed through the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (All models below include the P25 Conventional Operational Mode Package)</b>			
C .....	XZ-MPM1M.....	3,500.00 .....	MOBILE, XL-200M, MULTIBAND
C .....	XZ-MPM1M-NA .....	5,295.00 .....	MOBILE, XL-200M, MULTIBAND, LTE, NA
C .....	XZ-MPM1M-INTL .....	5,295.00 .....	MOBILE, XL-200M, MULTIBAND, LTE, INTL
<b>Frequency Band Options (Select any combination of bands)</b>			
N .....	XZ-PL4J .....	500.00 .....	FEATURE, VHF BAND
N .....	XZ-PL4K .....	500.00 .....	FEATURE, UHF BAND
N .....	XZ-PL4L .....	500.00 .....	FEATURE, 7/800 MHZ BAND
N .....	XZ-PL9D .....	500.00 .....	FEATURE, 900 MHZ BAND
<b>2. Antennas</b>			
N .....	XZ-AN9B .....	500.00 .....	ANTENNA, LTE-WIFI-GPS, LOW-PROFILE, BLK
N .....	XZ-AN9C .....	500.00 .....	ANTENNA, LTE-WIFI-GPS, LOW-PROFILE, WHT
N .....	XZ-AN7G .....	250.00 .....	ANTENNA, FLEX, HEAVY-DUTY
N .....	XZ-AN3H .....	75.00 .....	ANTENNA, ELEMENT, 700/800, 900, 3DB
N .....	XZ-AN8A .....	210.00 .....	ANTENNA, ELEMENT, FLEXIBLE, V/U/700/800
N .....	XZ-AN8D .....	100.00 .....	ANTENNA, ELEMENT, 700/800 3DB
V .....	AN-025137-009 .....	200.00 .....	ANTENNA, YAGI, 900 MHZ, 10DB GAIN
V .....	AN-025137-010 .....	435.00 .....	ANTENNA, 700/800 MHZ, 6.5DB GAIN, YAGI
N .....	XZ-AN8H .....	510.00 .....	ANTENNA, YAGI, 800 MHZ, 10DB GAIN
N .....	XZ-AN8J .....	729.00 .....	ANTENNA, YAGI, 700 MHZ, 10DB GAIN
N .....	XZ-AN8K .....	375.00 .....	ANTENNA, YAGI, UHF-H 470-512 MHZ, 9DB
V .....	AN-025137-005 .....	230.00 .....	ANTENNA, YAGI, UHF-H 440-480 MHZ, 10DB GAIN
V .....	AN-025137-004 .....	230.00 .....	ANTENNA, YAGI, UHF-L 406-440 MHZ, 9DB GAIN
V .....	AN-025137-003 .....	230.00 .....	ANTENNA, YAGI, UHF-L 375-403MHZ, 10DB GAIN

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**XL-200M MOBILES**

Band: VHF, UHF, 700/800, 900  
 Product Code: XZ

E/C	Model No.	List Price \$	Description
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**2. Antennas (Cont'd)**

N	.....XZ-AN3L	160.00	.....ANTENNA, GPS, MAGNETIC MOUNT
N	.....XZ-AN5F	155.00	.....ANTENNA, GPS, ROOF MOUNT
N	.....XZ-AN6U	80.00	.....ANTENNA, BASE, STD ROOF MOUNT LOW LOSS
N	.....XZ-AN6W	85.00	.....ANTENNA, BASE, THICK ROOF MOUNT LOW LOSS
N	.....XZ-AN6Z	175.00	.....ANTENNA, BASE, STD ROOF MOUNT LOW LOSS GPS
N	.....XZ-AN6Y	90.00	.....ANTENNA, BASE, MAGNETIC MOUNT LOW LOSS
N	.....XZ-AN7H	100.00	.....MOUNT, NMO ANTENNA, MAGNETIC, HEAVY-DUTY

**3. Operational Mode Packages\***

NB	.....XZ-PKGPT	1,500.00	.....FEATURE PACKAGE, P25 TRUNKING Includes Status Message
NB	.....XZ-PKGED	1,500.00	.....FEATURE PACKAGE, EDACS TRUNKING Includes analog trunking, ProVoice™ digital trunking, and Extended Addressing (EA). Supports 800 MHz 9600 Wideband and 900 MHz 9600 Narrowband for EDACS only. Does not support EDACS VHF/UHF
NB	.....XZ-P25ED	2,000.00	.....FEATURE PACKAGE, P25 & EDACS TRUNKING Includes Status Message
N	.....XZ-LTE-NA-UG	1,795.00	.....UPGRADE KIT, XL-200M, LTE, NA
N	.....XZ-LTE-INTL-UG	1,795.00	.....UPGRADE KIT, XL-200M, LTE, INTL
N	.....BM-PKGCL-XL	335.00	.....APP, BEON XL RADIO FAMILY BeOn Client License enabling the LTE radio to provide PTT over LTE or WiFi networks. A BeOn Server is required to enable this option.

\*All Trunking Operational Mode Packages include Emergency, Dynamic Regroup, ProScan™, Priority System Scan, and 1024 systems/groups.

**4. SIM Cards**

N	.....XZ-SV1V	10.00	.....BROADBAND, SIM CARD, VERIZON Removable Nano SIM that can be added through the product configurator
N	.....XZ-SV1T	10.00	.....BROADBAND, SIM CARD, AT&T Removable Nano SIM that can be added through the product configurator
N	.....XZ-SV1F	10.00	.....BROADBAND, SIM CARD, FIRSTNET Removable Nano SIM that can be added through the product configurator. Broadband Managed Services is not an option for FirstNet services. Please contact your cognizant AT&T consultant to activate devices on FirstNet.

**5. Broadband Managed Services Options\***

N	.....SB-SV1D	10.00	.....BROADBAND, LINE OF SERVICE, 1 MONTH
N	.....SB-SV1G	13.00	.....BROADBAND, 1GB DATA

\*An agreement will need to be executed between Harris and the end user before purchasing. The agreement can be found here:

<https://premier.pspc.harris.com/infocenter/broadband/Broadband%20managed%20service%20agreement%2020190204.pdf>

**6. Encryption Options\***

N	.....XZ-PL4U	0.01	.....FEATURE, XL200M SINGLE-KEY DES ENCRYPTION**
N	.....XZ-PL9E	0.01	.....FEATURE, XL200M SINGLE-KEY AES ENCRYPTION**
N	.....XZ-PL8Y	0.01	.....FEATURE, ENCRYPTION LITE***
N	.....XZ-PKG8F	695.00	.....FEATURE, 256-AES, 64-DES ENCRYPTION (Includes 256-B AES Encryption and 64-B DES Encryption for P25 & ProVoice)

\*Ordering multi-key AES provides full P25 CAP compliance.

\*\*Single-Key DES and Single-Key AES are available for P25 Conventional and P25 Trunked operation. Neither is available for EDACS operation.

\*\*\*Encryption Lite is standard on digital operational modes and is not available for EDACS. Encryption Lite must be selected in the Product Configurator.

**Latest Products and Pricing on the Web**

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**XL-200M MOBILES**

Band: VHF, UHF, 700/800, 900  
 Product Code: XZ

E/C	Model No.	List Price \$	Description
<b>7. Software Features</b>			
<b>Software Options</b>			
N	XZ-PL4E	240.00	FEATURE, CONVENTIONAL VOTE SCAN
<b>ProVoice, EDACS, and P25 Software Options</b>			
N	XZ-PL4W	50.00	FEATURE, CONTROL AND STATUS SERVICES
<b>*1024 systems/groups is a standard feature</b>			
<b>P25 Software Options</b>			
N	XZ-PL5L	595.00	FEATURE, OTAR
N	XZ-PL9L	595.00	FEATURE, HIGH VELOCITY DATA TDMA
NB	XZ-PKGP	330.00	FEATURE PACKAGE, P25 DATA Includes MDT and Radio TextLink
N	XZ-PL9N	285.00	FEATURE, TDMA CC
N	XZ-PL5K	265.00	FEATURE, P25 OTAP PROFILE
N	XZ-PL9K	250.00	FEATURE, VIDA ID
N	XZ-PL4F	250.00	FEATURE, PHASE 2 TDMA
N	XZ-PL8M	150.00	FEATURE, EDATA
N	XZ-PL8N	250.00	FEATURE, IN-BAND GPS
N	XZ-PL9F	250.00	FEATURE, P25C FALLBACK/MS FAILSOFT Required for Motorola customers using P25C Failsoft on a Motorola System. This feature is not needed for Harris-only systems
N	XZ-PL9G	250.00	FEATURE, 3000 ALIASES When feature is enabled, users can write all 3000 configured aliases to the radio without incident. When feature is not enabled, users will only be able to use the I-Call list of 255 entries maximum
N	XZ-PL9H	175.00	FEATURE, 250 ZONES Enable this feature if planning to configure radio with more than 50 zones. RPM2 can configure up to 250 zones; however, radio will only store the first 50 if this feature is not enabled
N	XZ-LLA	100.00	FEATURE, LINK LAYER AUTHENTICATION
N	XZ-SP2V	0.01	FEATURE, FEDERAL/INTERNATIONAL STANDARD This feature can only be configured for customers that are NOT FCC regulated such as Federal (NTIA) and International customers.
<b>8. Control Unit (Select one)</b>			
C	XZ-CP6A	1,500.00	CONTROL UNIT, XL-CH

**XL-200M MOBILES**

Band: VHF, UHF, 700/800, 900  
 Product Code: XZ

E/C	Model No.	List Price \$	Description
<b>9. Microphone (Select one)</b>			
N	XZ-MC6B	325.00	MICROPHONE, XL-MOBILE, KEYPAD
N	XZ-MC6A	105.00	MICROPHONE, XL, STANDARD MOBILE
<b>10. Mounting Kit</b>			
N	XZ-MA4A	600.00	KIT, MOUNTING XL-MOBILE UNIVERSAL Front and Remote Mount
N	XZ-MA4B	153.00	BRACKET, MOUNTING, VCH
N	XZ-MA4C	68.00	BRACKET, MOUNTING, XL CONTROL HEAD
N	XZ-MA4D	50.00	KIT, MOUNTING RAIL PLATE
<b>11. Miscellaneous</b>			
<b>XL-200M Desktop</b>			
N	XZ-CA6L	650.00	CABINET, XL DESKTOP Includes desktop cabinet and power supply. The radio, control head, control head mounting bracket, cables, and accessories are all sold separately.
N	XZ-CA6M	250.00	CABLE, XL DESKTOP, ACCESSORY
N	XZ-AB2E	255.00	FOOTSWITCH, XL-MOBILE, SINGLE
N	XZ-MC6C	245.00	MICROPHONE, XL-MOBILE, DESKTOP
N	XZ-CA6R	175.00	CABLE, POWER, Y-SPLIT, DESKTOP
<b>Motorcycle Kit</b>			
N	XZ-MA4E	1,100.00	KIT, INSTALLATION, MOTORCYCLE, XL-200M
<b>Additional Accessories</b>			
N	XZ-LS6A	60.00	SPEAKER, EXTERNAL, MOBILE Requires an accessory cable
<b>Programming and Option Cables</b>			
N	XZ-CA6A	16.00	CABLE, XL-MOBILE, ETHERNET, 45CM
N	XZ-CA6B	42.00	CABLE, XL-MOBILE, ETHERNET, 9M
N	XZ-CA6E	325.00	CABLE, XL-MOBILE, SPEAKER & USB
N	XZ-CA6F	222.00	CABLE, XL-MOBILE, SPEAKER ACCY
N	XZ-CA6G	198.00	CABLE, XL-MOBILE, USB DATA
N	XZ-CA6H	275.00	CABLE, XL-MOBILE, ACCESSORY
N	XZ-CA6P	235.00	CABLE, XL-MOBILE, USB AND RS232
N	XZ-CA6T	225.00	CABLE, POWER, Y-SPLIT, LONG
N	XZ-CA6J	119.00	CABLE, POWER, Y-FRONT MOUNT 1-FT
N	XZ-CA6C	105.00	CABLE, POWER, VCH
N	XZ-CA6D	87.00	CABLE, POWER, XL-CH
V	W95-0118-001	20.00	CABLE, USB TYPE-A TO TYPE-C M/M

**XL-200M MOBILES**

Band: VHF, UHF, 700/800, 900  
 Product Code: XZ

E/C	Model No.	List Price \$	Description
<b>11. Miscellaneous (Cont'd)</b>			
<b>Warranty</b>			
N .....	XZ-Y1EWP .....	100.00 .....	SERVICE ASSIST, EXT WARRANTY 1YR, XL200M
N .....	XZ-Y2EWP .....	150.00 .....	SERVICE ASSIST, EXT WARRANTY 2YR, XL200M
N .....	XZ-Y3EWP .....	200.00 .....	SERVICE ASSIST, EXT WARRANTY 3YR, XL200M
<b>Industry Canada</b>			
N .....	XZ-EC1A .....	5.00 .....	OPTION, INDUSTRY CANADA
<b>Manuals</b>			
V .....	MM185XT .....	65.00 .....	MANUAL, MAINT, XL MOBILE For XL-185M and XL-200M

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**XL-185M MOBILES**

Band: VHF, UHF, 700/800, 900  
 Product Code: XT

**XL-185M Mobile with XL-CH****XL-185M Desktop Cabinet**

The XL-185M mobiles are multi-mode radios that can operate on ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XL-185M orders must be placed through the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (All models below include the P25 Conventional Operational Mode Package)</b>			
C .....	XT-MPS1M .....	3,500.00 .....	MOBILE, XL-185M, SINGLE BAND
C .....	XT-MPS1M-V .....	3,800.00 .....	MOBILE, HIGH PWR DATA RADIO, SINGLE BAND
C .....	XT-MPS1M-NA .....	5,295.00 .....	MOBILE, XL-185M, SINGLE BAND, LTE, NA
C .....	XT-MPS1M-INTL .....	5,295.00 .....	MOBILE, XL-185M, SINGLE BAND, LTE, INTL
<b>Frequency Band Options (Only One Band May Be Selected)</b>			
N .....	XT-PL4J .....	0.01 .....	FEATURE, VHF BAND
N .....	XT-PL4K .....	0.01 .....	FEATURE, UHF BAND
N .....	XT-PL4L .....	0.01 .....	FEATURE, 7/800 MHZ BAND
N .....	XT-PL9D .....	0.01 .....	FEATURE, 900 MHZ BAND
<b>2. Antennas</b>			
N .....	XT-AN9B .....	500.00 .....	ANTENNA, LTE-WIFI-GPS, LOW-PROFILE, BLK
N .....	XT-AN9C .....	500.00 .....	ANTENNA, LTE-WIFI-GPS, LOW-PROFILE, WHT
N .....	XT-AN8E .....	90.00 .....	ANTENNA, ELEMENT, 900, 3DB
N .....	XT-AN3H .....	75.00 .....	ANTENNA, ELEMENT, 700/800, 900, 3DB
N .....	XT-AN8A .....	210.00 .....	ANTENNA, ELEMENT, FLEXIBLE, V/U/700/800
N .....	XT-AN8D .....	100.00 .....	ANTENNA, ELEMENT, 700/800 3DB
N .....	XT-AN8R .....	90.00 .....	ANTENNA, ELEMENT, 3DB, VHF
N .....	XT-AN8S .....	140.00 .....	ANTENNA, ELEMENT, NGP, 2DB, VHF
N .....	XT-AN5G .....	140.00 .....	ANTENNA, ELEMENT, 1/4 0DB, VHF
N .....	XT-AN8B .....	110.00 .....	ANTENNA, ELEMENT, 1/4, 0DB, UHF-L
N .....	XT-AN8T .....	110.00 .....	ANTENNA, ELEMENT, 1/4, 0DB, UHF-H
N .....	XT-AN8C .....	65.00 .....	ANTENNA, ELEMENT, LOW PROF, 0DB, UHF-H
N .....	XT-AN5F .....	155.00 .....	ANTENNA, GPS, ROOF MOUNT
N .....	XT-AN3L .....	160.00 .....	ANTENNA, GPS, MAGNETIC MOUNT
N .....	XT-AN8U .....	1,195.00 .....	ANTENNA, VHF, 136-174 MHZ, 6DB, LOG PERIODIC
V .....	AN-025137-009 .....	200.00 .....	ANTENNA, YAGI, 900 MHZ, 10DB GAIN
V .....	AN-025137-010 .....	435.00 .....	ANTENNA, 700/800 MHZ, 6.5DB GAIN, YAGI

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

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**XL-185M MOBILES**

Band: VHF, UHF, 700/800, 900  
 Product Code: XT

E/C	Model No.	List Price \$	Description
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**2. Antennas (Cont'd)**

N	XT-AN8H	510.00	ANTENNA, YAGI, 800 MHZ, 10DB GAIN
N	XT-AN8J	729.00	ANTENNA, YAGI, 700 MHZ, 10DB GAIN
N	XT-AN8K	375.00	ANTENNA, YAGI, UHF-H 470-512 MHZ, 9DB
V	AN-025137-005	230.00	ANTENNA, YAGI, UHF-H 440-480 MHZ, 10DB GAIN
V	AN-025137-004	230.00	ANTENNA, YAGI, UHF-L 406-440 MHZ, 9DB GAIN
V	AN-025137-003	230.00	ANTENNA, YAGI, UHF-L 375-403MHZ, 10DB GAIN
N	XT-AN6U	80.00	ANTENNA, BASE, STD ROOF MOUNT LOW LOSS
N	XT-AN6W	85.00	ANTENNA, BASE, THICK ROOF MOUNT LOW LOSS
N	XT-AN6Y	90.00	ANTENNA, BASE, MAGNETIC MOUNT LOW LOSS
N	XT-AN6Z	175.00	ANTENNA, BASE, STD ROOF MOUNT LOW LOSS GPS
N	XT-AN7H	100.00	MOUNT, NMO ANTENNA, MAGNETIC, HEAVY-DUTY

**3. Operational Mode Packages\***

NB	XT-PKGPT	1,500.00	FEATURE PACKAGE, P25 TRUNKING Includes Status Message
NB	XT-PKGED	1,500.00	FEATURE PACKAGE, EDACS TRUNKING Includes analog trunking, ProVoice™ digital trunking, and Extended Addressing (EA). Supports 800 MHz 9600 Wideband and 900 MHz 9600 Narrowband for EDACS only. Does not support EDACS VHF/UHF
NB	XT-P25ED	2,000.00	FEATURE PACKAGE, P25 & EDACS TRUNKING Includes Status Message
N	XT-LTE-NA-UG	1,795.00	UPGRADE KIT, XL-185M, LTE, NA
N	XT-LTE-INTL-UG	1,795.00	UPGRADE KIT, XL-185M, LTE, INTL
N	BM-PKGCL-XL	335.00	APP, BEON XL RADIO FAMILY BeOn Client License enabling the LTE radio to provide PTT over LTE or WiFi networks. A BeOn Server is required to enable this option.

\*All Trunking Operational Mode Packages include Emergency, Dynamic Regroup, ProScan™, Priority System Scan, and 1024 systems/groups.

**4. SIM Cards**

N	XT-SV1V	10.00	BROADBAND, SIM CARD, VERIZON Removable Nano SIM that can be added through the product configurator
N	XT-SV1T	10.00	BROADBAND, SIM CARD, AT&T Removable Nano SIM that can be added through the product configurator
N	XT-SV1F	10.00	BROADBAND, SIM CARD, FIRSTNET Removable Nano SIM that can be added through the product configurator. Broadband Managed Services is not an option for FirstNet services. Please contact your cognizant AT&T consultant to activate devices on FirstNet.

**5. Broadband Managed Services Options\***

N	SB-SV1D	10.00	BROADBAND, LINE OF SERVICE, 1 MONTH
N	SB-SV1G	13.00	BROADBAND, 1GB DATA

\*An agreement will need to be executed between Harris and the end user before purchasing. The agreement can be found here:

<https://premier.pspc.harris.com/infocenter/broadband/Broadband%20managed%20service%20agreement%2020190204.pdf>

**XL-185M MOBILES**

Band: VHF, UHF, 700/800, 900  
 Product Code: XT

E/C	Model No.	List Price \$	Description
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**6. Encryption Options\***

N	XT-PL4U	0.01	FEATURE, SINGLE-KEY DES ENCRYPTION**
N	XT-PL9E	0.01	FEATURE, SINGLE-KEY AES ENCRYPTION**
N	XT-PL8Y	0.01	FEATURE, ENCRYPTION LITE***
N	XT-PKG8F	695.00	FEATURE, 256-AES, 64-DES ECP Encryption (Includes 256-B AES Encryption and 64-B DES Encryption for P25 & ProVoice)

\*Ordering multi-key AES provides full P25 CAP compliance.

\*\*Single-Key DES and Single-Key AES are available for P25 Conventional and P25 Trunked operation. Neither is available for EDACS operation.

\*\*\*Encryption Lite is standard on digital operational modes and is not available for EDACS. Encryption Lite must be selected in the Product Configurator.

**7. Software Features****Software Options**

N	XT-PL4E	240.00	FEATURE, CONVENTIONAL VOTE SCAN
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**ProVoice, EDACS, and P25 Software Options**

N	XT-PL4W	50.00	FEATURE, CONTROL AND STATUS SERVICES
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\*1024 systems/groups is a standard feature

**P25 Software Options**

N	XT-PL5L	595.00	FEATURE, OTAR
N	XT-PL9L	595.00	FEATURE, HIGH VELOCITY DATA TDMA
NB	XT-PKGP	330.00	FEATURE PACKAGE, P25 DATA Includes MDT and Radio TextLink
N	XT-PL9N	285.00	FEATURE, TDMA CC
N	XT-PL5K	265.00	FEATURE, P25 OTAP PROFILE
N	XT-PL9K	250.00	FEATURE, VIDA ID
N	XT-PL4F	250.00	FEATURE, PHASE 2 TDMA
N	XT-PL8N	250.00	FEATURE, IN-BAND GPS
N	XT-PL9F	250.00	FEATURE, P25C FALLBACK/MS FAILSOFT Required for Motorola customers using P25C Failsoft on a Motorola System. This feature is not needed for Harris-only systems
N	XT-PL9G	250.00	FEATURE, 3000 ALIASES When feature is enabled, users can write all 3000 configured aliases to the radio without incident. When feature is not enabled, users will only be able to use the I-Call list of 255 entries maximum
N	XT-PL9H	175.00	FEATURE, 250 ZONES Enable this feature if planning to configure radio with more than 50 zones. RPM2 can configure up to 250 zones; however, radio will only store the first 50 if this feature is not enabled
N	XT-PL8M	150.00	FEATURE, EDATA
N	XT-LLA	100.00	FEATURE, LINK LAYER AUTHENTICATION
N	XT-SP2V	0.01	FEATURE, FEDERAL/INTERNATIONAL STANDARD This feature can only be configured for customers that are NOT FCC regulated such as Federal (NTIA) and International customers.

**8. Control Unit (Select one)**

C	XT-CP6A	1,500.00	CONTROL UNIT, XL-CH
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**XL-185M MOBILES**

Band: VHF, UHF, 700/800, 900  
 Product Code: XT

E/C	Model No.	List Price \$	Description
<b>9. Microphone (Select one)</b>			
N	XT-MC6B	325.00	MICROPHONE, XL-MOBILE, KEYPAD
N	XT-MC6A	105.00	MICROPHONE, XL, STANDARD MOBILE
<b>10. Mounting Kit</b>			
N	XT-MA4A	600.00	KIT, MOUNTING XL-MOBILE UNIVERSAL (Front and Remote Mount) Includes VCH mounting bracket, XL control head mounting bracket, VCH power cable, XL-CH power cable, and XL mobile ethernet cables (45 cm and 9 m)
N	XT-MA4B	153.00	BRACKET, MOUNTING, VCH
N	XT-MA4C	68.00	BRACKET, MOUNTING, XL CONTROL HEAD
N	XT-MA4D	50.00	KIT, MOUNTING RAIL PLATE
<b>11. Miscellaneous</b>			
<b>XL-185M Desktop</b>			
N	XT-CA6L	650.00	CABINET, XL DESKTOP Includes desktop cabinet and power supply. The radio, control head, control head mounting bracket, cables, and accessories are all sold separately.
N	XT-CA6M	250.00	CABLE, XL DESKTOP, ACCESSORY
N	XT-AB2E	255.00	FOOTSWITCH, XL-MOBILE, SINGLE
N	XT-MC6C	245.00	MICROPHONE, XL-MOBILE, DESKTOP
N	XT-CA6R	175.00	CABLE, POWER, Y-SPLIT, DESKTOP
<b>Motorcycle Kit</b>			
N	XT-MA4E	1,100.00	KIT, INSTALLATION, MOTORCYCLE, XL-185M
<b>Additional Accessories</b>			
N	XT-LS6A	60.00	SPEAKER, EXTERNAL, MOBILE
<b>Programming and Option Cables</b>			
N	XT-CA6A	16.00	CABLE, XL-MOBILE, ETHERNET, 45CM
N	XT-CA6B	42.00	CABLE, XL-MOBILE, ETHERNET, 9M
N	XT-CA6E	325.00	CABLE, XL-MOBILE, SPEAKER & USB
N	XT-CA6F	222.00	CABLE, XL-MOBILE, SPEAKER ACCY
N	XT-CA6G	198.00	CABLE, XL-MOBILE, USB DATA
N	XT-CA6H	275.00	CABLE, XL-MOBILE, ACCESSORY
N	XT-CA6P	235.00	CABLE, XL-MOBILE, USB AND RS232
N	XT-CA6T	225.00	CABLE, POWER, Y-SPLIT, LONG
N	XT-CA6J	119.00	CABLE, POWER, Y-FRONT MOUNT 1-FT
N	XT-CA6C	105.00	CABLE, POWER, VCH
N	XT-CA6D	87.00	CABLE, POWER, XL-CH
V	W95-0118-001	20.00	CABLE, USB TYPE-A TO TYPE-C M/M

**XL-185M MOBILES**

Band: VHF, UHF, 700/800, 900  
Product Code: XT

E/C	Model No.	List Price \$	Description
<b>11. Miscellaneous (Cont'd)</b>			
<b>Warranty</b>			
N .....	XT-Y1EWP .....	100.00 .....	SERVICE ASSIST, EXT WARRANTY 1YR, XL185M
N .....	XT-Y2EWP .....	150.00 .....	SERVICE ASSIST, EXT WARRANTY 2YR, XL185M
N .....	XT-Y3EWP .....	200.00 .....	SERVICE ASSIST, EXT WARRANTY 3YR, XL185M
<b>Industry Canada</b>			
N .....	XT-EC1A .....	5.00 .....	OPTION, INDUSTRY CANADA
<b>Manuals</b>			
V .....	MM185XT .....	65.00 .....	MANUAL, MAINT, XL MOBILE For XL-185M and XL-200M

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**UNITY® XG-100M MOBILE**

Band: VHF, UHF, 700/800

Product Code: XM

**XG-100M with CH-100 Touch Screen**

The Unity mobiles are full-spectrum multiband radios that can operate on EDACS®, ProVoice™, P25 Trunking, P25 Conventional, and Conventional systems.

**All XG-100M orders must be placed through the Product Configurator. The following is for information only.**

**Transceiver, Antenna and Base, Microphone, and Mounting/Cabling Kit must be ordered for a complete operating radio package.**

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (All models below include the P25 Conventional Operational Mode Package)</b>			
C .....	XM-100F .....	4,010.00 .....	MOBILE, XG-100M, 136-870 MHZ, UNENCRYPTED
C .....	XM-100F-D01 .....	3,510.00 .....	MOBILE, XG-100M, 136-520 MHZ
C .....	XM-100F-D02 .....	3,510.00 .....	MOBILE, XG-100M, 136-174, 762-870 MHZ
C .....	XM-100F-D03 .....	3,510.00 .....	MOBILE, XG-100M, 380-870 MHZ
<b>2. Antennas (Select Antenna and Base)</b>			
N .....	XM-AN7G .....	250.00 .....	ANTENNA, FLEX, HEAVY-DUTY, 136-870 MHZ
N .....	XMAN6J .....	225.00 .....	ANTENNA, FLEX, MULTIBAND, 136-870 MHZ, 0 dB
N .....	XMAN6H .....	180.00 .....	ANTENNA, ELEMENT, MULTIBAND, 136-870 MHZ, 0 dB
N .....	XMAN3L .....	160.00 .....	ANTENNA, GPS, MAGNETIC MOUNT
N .....	XMAN5F .....	155.00 .....	ANTENNA, GPS, ROOF MOUNT
S .....	AN-125001-002 .....	80.00 .....	ANTENNA, BASE, STANDARD ROOF MOUNT LOW LOSS
S .....	AN-125001-004 .....	85.00 .....	ANTENNA, BASE, THICK ROOF MOUNT LOW LOSS
S .....	AN-125001-006 .....	175.00 .....	ANTENNA, BASE, STANDARD ROOF MOUNT LOW LOSS GPS
S .....	AN-125001-008 .....	90.00 .....	ANTENNA, BASE, MAGNETIC MOUNT LOW LOSS
N .....	XM-AN7H .....	100.00 .....	MOUNT, NMO ANTENNA, MAGNETIC, HEAVY-DUTY
<b>3. Operational Mode Packages*</b>			
NB .....	XM-PKGPT .....	1,500.00 .....	FEATURE PACKAGE, P25 TRUNKING
NB .....	XM-PKGED .....	1,500.00 .....	FEATURE PACKAGE, EDACS TRUNKING Supports 800 MHz 9600 Wideband
NB .....	XM-P25ED .....	2,000.00 .....	FEATURE PACKAGE, P25 TRUNKING & EDACS Supports 800 MHz 9600 Wideband

**\*All Trunking Operational Mode Packages include Emergency, Dynamic Regroup, ProScan™, Priority System Scan, and 1024 systems/groups.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**UNITY® XG-100M MOBILE**

Band: VHF, UHF, 700/800  
 Product Code: XM

**Transceiver, Antenna and Base, Microphone, and Mounting/Cabling Kit must be ordered for a complete operating radio package.**

E/C	Model No.	List Price \$	Description
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**4. Encryption Options\***

N	XM-PL8Y	0.01	FEATURE, ENCRYPTION LITE**
N	XM-PL9E	0.01	FEATURE, SINGLE-KEY AES ENCRYPTION
N	XMPL4D	495.00	FEATURE, DES-CFB
N	XMPL4C	695.00	FEATURE PACKAGE, P25 ENCRYPTION (Includes AES and DES-OFB)

\*Ordering multi-key AES provides full P25 CAP compliance.

\*\*Encryption Lite is standard on digital operational modes; it is not available on EDACS. Encryption Lite must be selected in the Product Configurator.

**5. Software Features****Software Options**

N	XMPL4E	240.00	FEATURE, CONVENTIONAL VOTE SCAN
N	XM-SP2V	0.01	FEATURE, FEDERAL/INTERNATIONAL STANDARD This feature can only be configured for customers that are NOT FCC regulated such as Federal (NTIA) and International customers.

**ProVoice, EDACS, and P25 Options**

N	XM-PL4W	50.00	FEATURE, CONTROL AND STATUS SERVICES
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**ProVoice and EDACS Options**

N	XMPRO	250.00	FEATURE, PROVOICE (Must have Operational Mode Package containing EDACS for this upgrade)
N	XMPL3X	215.00	FEATURE, EDACS DATA
N	XMPL7G	110.00	FEATURE, EDACS SECURITY KEY

**P25 Options**

N	XMPL5L	695.00	FEATURE, OTAR (P25 Trunking and P25 Conventional)
NB	XM-PKGP	330.00	FEATURE PACKAGE, P25 DATA
N	XMPL5K	265.00	FEATURE, P25 OTAP PROFILE™
N	XMPL4F	250.00	FEATURE, PHASE II TDMA
N	XM-PL8M	150.00	FEATURE, EDATA
N	XM-PL8N	150.00	FEATURE, IN-BAND GPS
N	XM-LLA	100.00	FEATURE, LINK LAYER AUTHENTICATION

**6. Control Unit (Select one)**

N	XMCP9G	685.00	CONTROL UNIT, CH-721, SCAN, FRONT MOUNT
N	XMCP9H	790.00	CONTROL UNIT, CH-721, SYSTEM, FRONT MOUNT
N	XMCP9Q	1,190.00	CONTROL UNIT, CH-100, TOUCH SCREEN, FRONT MOUNT
N	XMCP9E	720.00	CONTROL UNIT, CH-721, SCAN, REMOTE MOUNT
N	XMCP9F	825.00	CONTROL UNIT, CH-721, SYSTEM, REMOTE MOUNT
N	XMCP9R	1,498.00	CONTROL UNIT, CH-100, TOUCH SCREEN, REMOTE MOUNT
N	XMZN7C	1,115.00	CONTROL UNIT, 2-6, CH-721 SCAN WITH INSTALLATION HARDWARE (Not compatible with CH-100 Control Units)
N	XMZN7D	1,220.00	CONTROL UNIT, 2-6, CH-721 SYSTEM WITH INSTALLATION HARDWARE (Not compatible with CH-100 Control Units)
N	XMZN8Z	1,893.00	CONTROL UNIT, 2-6, CH-100 TOUCH SCREEN WITH INSTALLATION HARDWARE (Not compatible with CH-721 Control Units)
N	XMCP9P	900.00	CONTROL UNIT, HHC-731
N	XMZN9G	472.78	KIT, HHC-731, INSTALLATION ACCESSORIES Includes accessories and mounting kit for radio and control head

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**UNITY® XG-100M MOBILE**

Band: VHF, UHF, 700/800  
 Product Code: XM

**Transceiver, Antenna and Base, Microphone, and Mounting/Cabling Kit must be ordered for a complete operating radio package.**

E/C	Model No.	List Price \$	Description
<b>7. Microphone (Select one)</b>			
N	XMCMC9C	205.00	MICROPHONE, DTMF
N	XMZN9F	195.00	MICROPHONE, DESKTOP
N	XM-MC9D	160.00	MICROPHONE, NOISE CANCELLING, CH-721
N	XMMC7Z	80.00	MICROPHONE, STD, CH-100, STRAIGHT CONNECTOR
<b>8. Mounting/Cabling Kit (Select one)</b>			
N	XMZN7R	360.00	ACCESSORIES KIT, UNITY WITH CH-721 REMOTE MOUNT
N	XMZN9A	360.00	ACCESSORIES KIT, UNITY WITH CH-100 REMOTE MOUNT
N	XMZN6W	274.50	ACCESSORIES KIT, UNITY WITH CH-100/CH-721 FRONT MOUNT
<b>9. Miscellaneous</b>			
<b>Low Band Amplifier (Add an Amplifier, Low Band Antenna and Base, and Installation Kit to the mobile operating package for a complete operating low band radio package)</b>			
C	XM-100LPA	1,250.00	AMPLIFIER, XG-100LPA VHF LOW, 33-48 MHZ
N	XM-ZN2G	276.35	KIT, INSTALLATION XG-100LPA
S	AN-025127-100	100.00	ANTENNA, ELEMENT, 27-31 MHZ NMO DC GND*
S	AN-025127-101	100.00	ANTENNA, ELEMENT, 30-35 MHZ NMO DC GND*
S	AN-025127-102	100.00	ANTENNA, ELEMENT, 34-37 MHZ NMO DC GND*
S	AN-025127-103	100.00	ANTENNA, ELEMENT, 37-40 MHZ NMO DC GND*
S	AN-025127-104	100.00	ANTENNA, ELEMENT, 40-47 MHZ NMO DC GND*
S	AN-025127-105	100.00	ANTENNA, ELEMENT, 45-48 MHZ NMO DC GND*
<b>*Low Band Amplifier Antenna Elements require Antenna Bases AN-125001-002 or AN-125001-004.</b>			
<b>Vehicular Repeater (Add a VRS, Installation Kit, and 700/800 MHz Antenna and Base to the mobile operating package for a complete operating P25 Vehicular Repeater. The radio mounting/cabling kit is not required)</b>			
C	XMV780B	6,155.00	VRS7030, P25 VEHICULAR RPTR 700/800 MHZ
N	XMNFL1A	1,995.00	FILTER, VRM, 800 MHZ Required when repeating the 800 MHz band to the 700 MHz band
N	XMFL1C	1,995.00	FILTER, VRM, 700 MHZ Required when repeating the 700 MHz band to the 800 MHz band
N	XM-ZN2E	720.00	KIT, INSTALLATION, VRS, W/CH-721 Includes accessories and mounting kit for the complete VRS package
N	XM-ZN2D	720.00	KIT, INSTALLATION, VRS, W/CH-100 Includes accessories and mounting kit for the complete VRS package
N	XMAN7F	60.00	ANTENNA, ELEMENT, 700/800 2 dB LOW PROFILE Requires an antenna base

**UNITY® XG-100M MOBILE**

Band: VHF, UHF, 700/800  
 Product Code: XM

E/C	Model No.	List Price \$	Description
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**9. Miscellaneous (Cont'd)****Motorcycle Kit**

N .....XM-ZN2H .....995.00 .....KIT, MOTORCYCLE, UNITY, W/ACCY CABLE Does not include headsets or controllers

**Programming and Option Cables**

N .....XMCL8B .....190.00 .....CABLE, OPTIONS, UNITY, M7300  
 N .....XMCL8T .....115.00 .....CABLE, SERIAL DATA, 20 FT  
 N .....XMCL8C .....90.00 .....CABLE, CH-721, CH-100 OPTION CABLE  
 N .....XMCL9M .....12.56 .....CABLE, CH-100 USB PROGRAMMING  
 N .....XMCJ3C .....170.00 .....CABLE, KVL KEY LOADING  
 N .....XMCJ3D .....350.00 .....CABLE, KVL KEY LOADING (CH-721/HHC-731)  
 N .....XMCL8U .....180.00 .....CABLE, PROGRAMMING, CH-100/CH-721 FRONT CONNECTOR

**Warranty**

N .....XM-Y1EWM .....170.00 .....WARRANTY, EXTENDED 1 YR, MOBILE  
 N .....XM-Y2EWM .....220.00 .....WARRANTY, EXTENDED 2 YR, MOBILE  
 N .....XM-Y1XWR .....300.00 .....WARRANTY, EXTENDED 1 YR, REPEATER  
 N .....XM-Y2XWR .....350.00 .....WARRANTY, EXTENDED 2 YR, REPEATER  
 N .....XM-Y3XWR .....400.00 .....WARRANTY, EXTENDED 3 YR, REPEATER

**Industry Canada**

N .....XMEC1A .....5.00 .....OPTION, INDUSTRY CANADA

**Manuals**

V .....MM100XM .....65.00 .....MANUAL, MAINTENANCE, UNITY XG-100M  
 V .....MM400XM .....25.00 .....MANUAL, INSTALL, UNITY XG-100M MOBILE

**XG-75M/M7300 MOBILES**

Band: 700/800, VHF, UHF  
 Product Code: MW

**Mobile with CH-721 Scan****Mobile with CH-721 System**

The XG-75M/M7300 mobiles are multi-mode radios that can operate on OpenSky®, ProVoice™, EDACS®, P25 Conventional, and Conventional systems.

**All XG-75M/M7300 orders must be placed through the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (All models below include the P25 Conventional Operational Mode Package)</b>			
C .....	MAMW-SDMXX.....	2,300.00 .....	MOBILE, XG-75M/M7300, 764-870 MHZ, HALF DPLX, Unencrypted
C .....	MAMW-SUMXX.....	2,300.00 .....	MOBILE, XG-75M/M7300, 440-512 MHZ, 50W
C .....	MAMW-SNMXX.....	2,300.00 .....	MOBILE, XG-75M/M7300, 378-430 MHZ, 50W
C .....	MAMW-MU3B.....	2,300.00 .....	MOBILE, XG-75M/M7300, 330-380 MHZ, 40W
C .....	MAMW-SHHXX .....	2,600.00 .....	MOBILE, XG-75M/M7300, 136-174 MHZ, 110W
C .....	MAMW-SHMXX.....	2,300.00 .....	MOBILE, XG-75M/M7300, 136-174 MHZ, 50W
<b>2. Vehicular Repeaters</b>			
C .....	MAMW-V780B .....	6,155.00 .....	VRS7030 P25 VEHICULAR REPEATER, 700/800 MHZ
C .....	MAMW-V800B .....	6,155.00 .....	VRS7020 P25 VEHICULAR REPEATER, 800 MHZ
C .....	MAMW-VDLXX .....	6,183.09 .....	VRS7010 P25 VEHICULAR REPEATER, 700 MHZ
N .....	MAMW-NFL1A.....	1,995.00 .....	FILTER, 800 MHZ (VRM)
N .....	MAMW-FL1C.....	1,995.00 .....	FILTER, VRM, 700 MHZ
<b>3. Antennas</b>			
S.....	AN-125001-001.....	40.00 .....	ANTENNA, BASE, STANDARD ROOF MOUNT
S.....	AN-125001-002.....	80.00 .....	ANTENNA, BASE, STANDARD ROOF MOUNT LOW LOSS
S.....	AN-125001-006.....	175.00 .....	ANTENNA, BASE, STANDARD ROOF MOUNT LOW LOSS GPS
S.....	AN-125001-003.....	45.00 .....	ANTENNA, BASE, THICK ROOF MOUNT
S.....	AN-125001-004.....	85.00 .....	ANTENNA, BASE, THICK ROOF MOUNT LOW LOSS
S.....	AN-125001-007.....	70.00 .....	ANTENNA, BASE, MAGNETIC ROOF MOUNT
S.....	AN-125001-008.....	90.00 .....	ANTENNA, BASE, MAGNETIC MOUNT LOW LOSS
S.....	AN-025137-008.....	510.00 .....	ANTENNA, YAGI, 800 MHZ, 10 dB GAIN
V .....	AN-025137-010.....	435.00 .....	ANTENNA, 700/800 MHZ YAGI, 6.5 dB
N .....	MAMW-NAN3L .....	160.00 .....	ANTENNA, GPS, MAGNETIC MOUNT
N .....	MAMW-NAN5F .....	155.00 .....	ANTENNA, GPS, ROOF MOUNT
S.....	AN-225001-003.....	170.00 .....	ANTENNA, ELEMENT, 700/800 3dB ELEV FD NGP
S.....	AN-225001-001.....	90.00 .....	ANTENNA, ELEMENT, 700/800 3dB
S.....	AN-225001-005.....	90.00 .....	ANTENNA, ELEMENT, 700/800 5dB
S.....	AN-225001-004.....	60.00 .....	ANTENNA, ELEMENT, 700/800 2dB LOW PROFILE

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

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**XG-75M/M7300 MOBILES**

Band: 700/800, VHF, UHF  
 Product Code: MW

E/C	Model No.	List Price \$	Description
<b>3. Antennas (Cont'd)</b>			
S	AN-225003-001	110.00	ANTENNA, ELEMENT, 1/4, 0dB, UHF-L
S	AN-225004-001	110.00	ANTENNA, ELEMENT, 1/4, 0dB, UHF-H
S	AN-225004-004	65.00	ANTENNA, ELEMENT, LOW PROFILE, 0dB, UHF-H
S	AN-225002-001	140.00	ANTENNA, ELEMENT, 1/4 0 dB, VHF
S	AN-225002-003	90.00	ANTENNA, ELEMENT, 3 dB, VHF
S	AN-225002-004	140.00	ANTENNA, ELEMENT, NGP, 2 dB, VHF
S	AN-025137-011	1,195.00	ANTENNA, VHF, 136-174 MHZ, 6 dB, LOG PERIODIC
S	AN-225006-001	40.00	ANTENNA, ELEMENT, 136-941 MHZ
<b>4. GPS Option</b>			
N	MAMW-NMK5F	525.00	GLOBAL POSITIONING SYSTEM (GPS)
N	MAMW-NCL8B	190.00	CABLE, OPTIONS
<b>5. Operational Mode Packages*</b>			
NB	MAMW-PKGPT	1,100.00	FEATURE PACKAGE, P25 TRUNKING
NB	MAMW-PKGED	1,100.00	FEATURE PACKAGE, EDACS TRUNKING
NB	MAMW-PKGOS	1,100.00	FEATURE PACKAGE, OPENSky TRUNKING
NB	MAMW-PKGOD	525.00	FEATURE PACKAGE, OPENSky DATA SERVICES (Control unit is required. No voice is included.)
NB	MW-P25ED	1,600.00	FEATURE PACKAGE, P25 TRUNKING & EDACS
NB	MAMW-PKGNT	1,600.00	FEATURE PACKAGE, OPENSky & P25 TRUNKED
NB	MW-OSD	1,600.00	FEATURE PACKAGE, OPENSky & EDACS
NB	MW-EPO	2,000.00	FEATURE PACKAGE, P25T, OPENSky & EDACS
*All Trunking Operational Mode Packages include Emergency, Dynamic Regroup, ProScan™, Priority System Scan, and 1024 systems/groups.			
<b>6. Encryption Options*</b>			
N	MW-PL4U	0.01	FEATURE, SINGLE-KEY-DES ENCRYPTION**
N	MW-PL9E	0.01	FEATURE, SINGLE-KEY AES ENCRYPTION**
N	MW-PL8Y	0.01	FEATURE, ENCRYPTION LITE***
NB	MAMW-PKG8C	895.00	FEATURE, 256-AES, ECP & OTP, 64-DES, ECP (Includes 256-B AES Encryption for P25, ProVoice, & OpenSky and 64-B DES Encryption for P25 & ProVoice)
NB	MAMW-PKG8F	595.00	FEATURE, 256-AES, 64-DES ECP Encryption (Includes 256-B AES Encryption and 64-B DES Encryption for P25 & ProVoice)
N	MAMW-NPL8D	695.00	FEATURE, 256-AES, OTP Encryption (Includes 256-B AES Encryption for OpenSky)
N	MAMW-NPL3V	395.00	FEATURE, 64B-DES Encryption for P25 Trunking and ProVoice
N	MAMW-NPL7M	495.00	FEATURE, 256B-AES Encryption for P25 and ProVoice
*Ordering multi-key AES provides full P25 CAP compliance.			
**Single-Key DES and Single-Key AES are available for P25 Conventional and P25 Trunked operation. Neither is available for EDACS operation.			
***Encryption Lite is standard on digital operational modes and is not available for EDACS. Encryption Lite must be selected in the Product Configurator.			
<b>Option for AES Encrypted Radios</b>			
NB	MAMW-PKGF	1.00	FEATURE, FIPS-140-2, OPERATION SL 1

**XG-75M/M7300 MOBILES**

Band: 700/800, VHF, UHF  
 Product Code: MW

E/C	Model No.	List Price \$	Description
<b>7. Software Features</b>			
<b>Software Options</b>			
N .....	MW-PL4E .....	240.00 .....	FEATURE, CONVENTIONAL VOTE SCAN
N .....	MAMW-NPL7K .....	110.00 .....	FEATURE, DIRECT FREQUENCY ENTRY
N .....	MAMW-NPL6T .....	19.50 .....	FEATURE, MDC-1200
N .....	MW-SP2V .....	0.01 .....	FEATURE, FEDERAL/INTERNATIONAL STANDARD This feature can only be configured for customers that are NOT FCC regulated such as Federal (NTIA) and International customers.
<b>OpenSky Software Options</b>			
N .....	MAMW-NPL7X .....	250.00 .....	FEATURE, OPENSky DATA
<b>ProVoice, EDACS, and P25 Software Options</b>			
N .....	MAMW-NPL3R .....	0.00 .....	FEATURE, MAXIMUM (1,024+) SYSTEMS/GROUPS*
N .....	MAMW-NPL5K .....	265.00 .....	FEATURE, PROFILE™ OVER-THE-AIR PROGRAMMING
N .....	MAMW-NPL7G .....	110.00 .....	FEATURE, EDACS SECURITY KEY AND P25 PERSONALITY LOCK
N .....	MAMW-NPL7N .....	60.00 .....	FEATURE, RADIO TEXTLINK
N .....	MAMW-NPL3Y .....	55.00 .....	FEATURE, STATUS MESSAGE
N .....	MW-PL4W .....	50.00 .....	FEATURE, CONTROL AND STATUS SERVICES
<b>*1024 systems/groups is a standard feature</b>			
<b>ProVoice and EDACS Software Options</b>			
N .....	MW-PRO .....	250.00 .....	FEATURE, PROVOICE (Must have Operational Mode Package containing EDACS for this upgrade)
N .....	MAMW-NPL3X .....	215.00 .....	FEATURE, EDACS DATA
<b>P25 Software Options</b>			
N .....	MAMW-NPL5L .....	495.00 .....	FEATURE, P25 OVER-THE-AIR REKEYING (OTAR)
N .....	MW-PL4F .....	250.00 .....	FEATURE PACKAGE, P25 PHASE 2, TDMA
N .....	MAMW-NPL7P .....	215.00 .....	FEATURE, P25 DATA
N .....	MW-PL8M .....	150.00 .....	FEATURE, EDATA
N .....	MW-PL8N .....	150.00 .....	FEATURE, IN-BAND GPS
N .....	MW-LLA .....	75.00 .....	FEATURE, LINK LAYER AUTHENTICATION
<b>8. Control Unit (Select one)</b>			
N .....	MAMW-NCP9G .....	685.00 .....	CONTROL UNIT, CH-721, SCAN, FRONT MOUNT
N .....	MAMW-NCP9H .....	790.00 .....	CONTROL UNIT, CH-721, SYSTEM, FRONT MOUNT
N .....	MAMW-NCP9E .....	720.00 .....	CONTROL UNIT, CH-721, SCAN, REMOTE MOUNT
N .....	MAMW-NCP9F .....	825.00 .....	CONTROL UNIT, CH-721, SYSTEM, REMOTE MOUNT
N .....	MAMW-NZN7C .....	1,115.00 .....	CONTROL UNIT, 2-6, CH-721 SCAN WITH INSTALLATION HARDWARE
N .....	MAMW-NZN7D .....	1,220.00 .....	CONTROL UNIT, 2-6, CH-721 SYSTEM WITH INSTALLATION HARDWARE
N .....	MAMW-NCP9P .....	900.00 .....	CONTROL UNIT, HHC-731, XG-75M/M7300
N .....	MAMW-NZN9G .....	472.78 .....	KIT, HHC-731, INSTALLATION ACCESSORIES
N .....	MAMW-ZN9W .....	586.58 .....	KIT, ACC, HHC-731, HIGH POWER

**XG-75M/M7300 MOBILES**

Band: 700/800, VHF, UHF  
 Product Code: MW

E/C	Model No.	List Price \$	Description
<b>8. Control Unit (Cont'd) (Select one)</b>			
<b>Dual Control Units (Order Microphone Separately)</b>			
Order complete transceiver, first control unit, and accessories. Then order dual control options to provide a second control head, accessory cable, speaker, mounting bracket and hardware.			
N .....	MAMW-NZN7C .....	1,115.00 .....	CONTROL UNIT, DUAL CONTROL, 2-6, CH-721, SCAN WITH INSTALLATION HARDWARE
N .....	MAMW-NZN7D .....	1,220.00 .....	CONTROL UNIT, DUAL CONTROL, 2-6, CH-721, SYSTEM WITH INSTALLATION HARDWARE
<b>9. Microphone (Select one)</b>			
N .....	MW-MC9T .....	225.00 .....	MICROPHONE, STD, CH-721, ANGLED CONNECTOR
N .....	MAMW-ZN9F .....	195.00 .....	MICROPHONE, DESKTOP
N .....	MAMW-NMC9D .....	160.00 .....	MICROPHONE, NOISE CANCELLING, CH-721 CONTROL UNIT
N .....	MAMW-NMC7Z .....	80.00 .....	MICROPHONE, STD, STRAIGHT CONNECTOR
<b>Dual Control Unit Microphone (Select one)</b>			
N .....	MAMW-NMC9D .....	160.00 .....	MICROPHONE, NOISE CANCELLING, CH-721 CONTROL UNIT
N .....	MAMW-NMC7Z .....	80.00 .....	MICROPHONE, STD, STRAIGHT CONNECTOR
<b>10. Mounting/Cabling Kit</b>			
N .....	MAMW-NZN7R .....	360.00 .....	ACCESSORIES, XG-75M/M7300 REMOTE MOUNT, For 50W and below
N .....	MAMW-NZN6W .....	274.50 .....	ACCESSORIES, XG-75M/M7300 FRONT MOUNT, For 50W and below
N .....	MAMW-ZN9Q .....	433.21 .....	ACCESSORIES, XG-75M/M7300, HIGH POWER, REM 60W and above
N .....	MAMW-ZN9P .....	760.00 .....	KIT, INSTALLATION, VRS, 60W and above VRM, Includes accessories and mounting kit for the complete VRS package.
N .....	MAMW-NZN8X .....	720.00 .....	KIT, INSTALLATION, VRS, 50W and below VRM, Includes accessories and mounting kit for the complete VRS package.
N .....	MW-ZN2E .....	720.00 .....	KIT, INSTALLATION, VRS, W/CH-721 VRS Includes accessories and mounting kit for the complete VRS package
NOTE: Mounting/Cabling Kit includes Power Cable, External Speaker, Mounting Bracket(s), Mic Hanger, and Radio Control Cable.			
<b>11. Miscellaneous</b>			
<b>Motorcycle Kit</b>			
N .....	MAMW-NZN7X .....	1,765.00 .....	KIT, MOTORCYCLE W/ ACC CABLE, VHF/UHF
N .....	MAMW-NZN7Y .....	1,665.00 .....	KIT, MOTORCYCLE W/O ACC CABLE, VHF/UHF
N .....	MAMW-NZN9H .....	1,765.00 .....	KIT, MOTORCYCLE W/ACC CABLE, 700/800
N .....	MAMW-NZN9J .....	1,665.00 .....	KIT, MOTORCYCLE W/O ACC CABLE, 700/800
V .....	LE-OM806HDBKTNCD .....	87.92 .....	ANTENNA, 800 MHZ, BLACK BASE, STRD COAX For motorcycle applications

**XG-75M/M7300 MOBILES**

Band: 700/800, VHF, UHF  
 Product Code: MW

E/C	Model No.	List Price \$	Description
<b>11. Miscellaneous (Cont'd)</b>			
<b>Programming and Option Cables</b>			
N	MAMW-NCL8B	190.00	CABLE, OPTIONS
N	MW-CL8E	120.00	CABLE, Y CAN, BLACK, 10 IN
N	MAMW-NCL8T	115.00	CABLE, SERIAL DATA, 20 FT
N	MAMW-NCL8C	90.00	CABLE, CH-721 OPTION CABLE
N	MAMW-NCL7R	90.00	CABLE, SERIAL PROGRAMMING, CH-721
N	MATQ-NCL8U	180.00	CABLE, PROGRAMMING, CH-721 FRONT CONNECTOR
N	MAMW-NCL9L	90.00	CABLE, SERIAL PROGRAMMING, HHC-731
N	MW-CJ3D	350.00	CABLE, KVL KEY LOADING (CH-721/HHC-731)
<b>Additional Accessories</b>			
S	KT-013492-002	325.00	KEYCAP KIT, SCAN, LARGE, ARROW KIT, 50 PK
S	KT-013492-001	140.00	KEYCAP KIT, SYSTEM, BLANK WHITE, CH-721, 50 PK
S	KT-013492-003	170.00	KEYCAP KIT, SYSTEM, OPTIONAL
S	FM-013327	120.00	KEYCAP KIT, SYSTEM
S	FM-013332	125.00	KEYCAP KIT, SCAN, CH-721
<b>Warranty</b>			
N	MW-Y1EWM	80.00	WARRANTY, EXTENDED 1 YR, MOBILE
N	MW-Y2EWM	130.00	WARRANTY, EXTENDED 2 YR, MOBILE
N	MW-Y3EWM	180.00	WARRANTY, EXTENDED 3 YR, MOBILE
N	MW-Y1XWR	300.00	WARRANTY, EXTENDED 1 YR, REPEATER
N	MW-Y2XWR	350.00	WARRANTY, EXTENDED 2 YR, REPEATER
N	MW-Y3XWR	400.00	WARRANTY, EXTENDED 3 YR, REPEATER
<b>Industry Canada</b>			
N	MAMW-NEC1A	15.00	OPTION, INDUSTRY CANADA
<b>Manuals</b>			
V	MAMM-780MW	65.00	MANUAL, MAINT, XG-75M/M7300, M5300 (700/800)
V	MM450MW	65.00	MANUAL, MAINT, XG-75M/M7300, UHF
V	MM150MW	65.00	MANUAL, MAINT, XG-75M/M7300, 136-174 MHZ, 110W
V	MAMM-100MW	65.00	MANUAL, MAINT, XG-75M/M7300, 136-174 MHZ, 50W
V	MM400MW	25.00	MANUAL, INSTALL, XG-75M/M7300
V	MAMM-785MW	65.00	MANUAL, MAINTENANCE, VRS7010 P25 VEHICULAR REPEATER

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**XG-25M MOBILE**

Band: VHF, UHF, 700/800  
 Product Code: DM

**XG-25M with Scan**

The XG-25M mobiles are multi-mode radios that can operate on OpenSky®, ProVoice™, EDACS®, P25 Trunking, P25 Conventional, and Conventional systems.

**All XG-25M orders must be placed through the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (All models below include the P25 Conventional Operational Mode Package)</b>			
C .....	DM-M78B .....	2,100.00 .....	MOBILE, XG-25M, 700/800 MHZ, 35W
C .....	DM-MU1B .....	2,100.00 .....	MOBILE, XG-25M, 378-470 MHZ, 50W
C .....	DM-MV1B .....	2,100.00 .....	MOBILE, XG-25M, 136-174 MHZ, 50W
<b>2. Antennas</b>			
S .....	AN-125001-001 .....	40.00 .....	ANTENNA, BASE, STANDARD ROOF MOUNT
S .....	AN-125001-002 .....	80.00 .....	ANTENNA, BASE, STANDARD ROOF MOUNT LOW LOSS
S .....	AN-125001-003 .....	45.00 .....	ANTENNA, BASE, THICK ROOF MOUNT
S .....	AN-125001-004 .....	85.00 .....	ANTENNA, BASE, THICK ROOF MOUNT LOW LOSS
S .....	AN-125001-005 .....	135.15 .....	ANTENNA, BASE, STANDARD ROOF MNT GPS
S .....	AN-125001-006 .....	175.00 .....	ANTENNA, BASE, STANDARD ROOF MOUNT LOW LOSS GPS
S .....	AN-125001-007 .....	70.00 .....	ANTENNA, BASE, MAGNETIC ROOF MOUNT
S .....	AN-125001-008 .....	90.00 .....	ANTENNA, BASE, MAGNETIC MOUNT LOW LOSS
S .....	AN-225001-001 .....	90.00 .....	ANTENNA, ELEMENT, 700/800 3DB
S .....	AN-225001-003 .....	170.00 .....	ANTENNA, ELEMENT, 700/800 3 DB ELEV FD NGP
S .....	AN-225001-004 .....	60.00 .....	ANTENNA, ELEMENT, 700/800 2 DB LOW PROFILE
S .....	AN-225001-005 .....	90.00 .....	ANTENNA, ELEMENT, 700/800 5 DB
S .....	AN-225003-004 .....	85.00 .....	ANTENNA, ELEMENT, LOW PROFILE, 0 DB, UHF-L
S .....	AN-225004-004 .....	65.00 .....	ANTENNA, ELEMENT, LOW PROFILE, 0 DB, UHF-H
S .....	AN-225003-001 .....	110.00 .....	ANTENNA, ELEMENT, 1/4, 0 DB, UHF-L
S .....	AN-225004-001 .....	110.00 .....	ANTENNA, ELEMENT, 1/4, 0 DB, UHF-H
S .....	AN-225002-001 .....	140.00 .....	ANTENNA, ELEMENT, 1/4, 0 DB, VHF
S .....	AN-225002-003 .....	90.00 .....	ANTENNA, ELEMENT, 3 DB, VHF
S .....	AN-225002-004 .....	140.00 .....	ANTENNA, ELEMENT, NGP, 2 DB, VHF
S .....	AN-225006-001 .....	40.00 .....	ANTENNA ELEMENT, 136-941 MHZ
S .....	AN-025187-001 .....	155.00 .....	ANTENNA, GPS, ROOF MOUNT

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**XG-25M MOBILE**

Band: VHF, UHF, 700/800  
 Product Code: DM

E/C	Model No.	List Price \$	Description
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**3. Operational Mode Packages\***

NB.....	DM-PKGPT .....	750.00 .....	FEATURE PACKAGE, P25 TRUNKING
NB.....	DM-PKGED .....	750.00 .....	FEATURE PACKAGE, EDACS TRUNKING
NB.....	DM-PKGOS .....	750.00 .....	FEATURE PACKAGE, OPENSky TRUNKING**
NB.....	DM-PKGOD .....	525.00 .....	FEATURE PACKAGE, OPENSky DATA SERVICES**
NB.....	DM-P25ED .....	1,200.00 .....	FEATURE PACKAGE, P25 TRUNKING & EDACS
NB.....	DM-PKGNT .....	1,200.00 .....	FEATURE PACKAGE, OPENSky AND P25T**
NB.....	DM-OSD .....	1,200.00 .....	FEATURE PACKAGE, OPENSky AND EDACS**
NB.....	DM-EPO .....	1,600.00 .....	FEATURE PACKAGE, EDACS, P25T, AND OPENSky**

\*All Trunking Operational Mode Packages include Emergency, Dynamic Regroup, ProScan™, Priority System Scan, and 512 systems/groups.

\*\*For 700/800 MHz radios only.

**4. GPS Option**

N .....	DM-MK5F .....	500.00 .....	GPS KIT, XG-25M
N .....	DM-CL2X.....	141.48 .....	CABLE, OPTION, XG-25M

**5. Encryption Options\***

N .....	DM-PL4U .....	0.01 .....	FEATURE, SINGLE-KEY-DES ENCRYPTION**
N .....	DM-PL9E .....	0.01 .....	FEATURE, SINGLE-KEY AES ENCRYPTION**
N .....	DM-PL8Y .....	0.01 .....	FEATURE, ENCRYPTION LITE***
NB.....	DM-PKG8C .....	895.00 .....	FEATURE, 256-AES, ECP & OTP, 64-DES, ECP****
NB.....	DM-PL8D .....	695.00 .....	FEATURE, 256-AES, OTP ENCRYPTION****
N .....	DM-PKG8F .....	595.00 .....	FEATURE, 256-AES, 64-DES ECP ENCRYPTION (Includes 256-B AES Encryption and 64-B DES Encryption for P25 & ProVoice)
N .....	DM-PL7M .....	495.00 .....	FEATURE, 256-AES, ECP ENCRYPTION for P25 and ProVoice
N .....	DM-PL3V .....	395.00 .....	FEATURE, 64B-DES ENCRYPTION P25 Trunking and ProVoice

\*Ordering multi-key AES provides full P25 CAP compliance.

\*\*Single-Key DES and Single-Key AES are available for P25 Conventional and P25 Trunked operation. Neither is available for EDACS operation.

\*\*\*Encryption Lite is standard on digital operational modes and is not available for EDACS. Encryption Lite must be selected in the Product Configurator.

\*\*\*\*For 700/800 MHz radios only.

**6. Software Features****Software Options**

N .....	DM-PL4E .....	240.00 .....	FEATURE, CONVENTIONAL VOTE SCAN
N .....	DM-PL4N .....	100.00 .....	FEATURE, BLUETOOTH OPERATION
N .....	DM-PL6T .....	19.50 .....	FEATURE, MDC-1200
N .....	DM-SP2V .....	0.01 .....	FEATURE, FEDERAL/INTERNATIONAL STANDARD This feature can only be configured for customers that are NOT FCC regulated such as Federal (NTIA) and International customers.

**OpenSky Software Options**

N .....	DM-PL7Y .....	315.00 .....	FEATURE, OTAR, OPENSky*
N .....	DM-PL7X .....	250.00 .....	FEATURE, OPENSky DATA*

\*For 700/800 MHz radios only.

**ProVoice, EDACS, and P25 Software Options**

N .....	DM-PL7Z .....	0.00 .....	FEATURE, 512 SYSTEMS/GROUPS*
N .....	DM-PL3R .....	215.00 .....	FEATURE, 1024+ SYSTEMS/GROUPS
N .....	DM-PL5K .....	265.00 .....	FEATURE, ProFile™ OVER-THE-AIR PROGRAMMING
N .....	DM-PL7P .....	215.00 .....	FEATURE, DATA OPERATION

\*512 systems/groups is a standard feature

**XG-25M MOBILE**

Band: VHF, UHF, 700/800  
 Product Code: DM

E/C	Model No.	List Price \$	Description
<b>6. Software Features (Cont'd)</b>			
<b>ProVoice and EDACS Software Options</b>			
N .....	DM-PL7G .....	110.00 .....	FEATURE, ESK/P25 PERSONALITY LOCK
N .....	DM-PL7N .....	60.00 .....	FEATURE, RADIO TEXTLINK
N .....	DM-PL3Y .....	55.00 .....	FEATURE, STATUS MESSAGE
N .....	DM-PL4W .....	50.00 .....	FEATURE, CONTROL AND STATUS SERVICES
N .....	DM-PRO .....	250.00 .....	FEATURE, PROVOICE (Must have Operational Mode Package containing EDACS for this upgrade)
N .....	DM-PL3X .....	220.00 .....	FEATURE, EDACS DATA
<b>P25 Software Options</b>			
N .....	DM-PL5L .....	465.00 .....	FEATURE, P25 OVER-THE-AIR REKEYING
N .....	DM-PL4F .....	250.00 .....	FEATURE, P25 PHASE 2, TDMA
N .....	DM-PL8M .....	150.00 .....	FEATURE, EDATA
N .....	DM-PL8N .....	150.00 .....	FEATURE, IN-BAND GPS
N .....	DM-LLA .....	75.00 .....	FEATURE, LINK LAYER AUTHENTICATION
<b>7. Control Unit</b>			
N .....	DM-ZN9Z .....	650.00 .....	KIT, CONVERSION, CH-25 REM CTRL HD, 30 FT
<b>8. Microphone (Select one)</b>			
N .....	DM-MC9U .....	295.00 .....	MICROPHONE, DESKTOP, XG-25M
N .....	DM-MC9V .....	225.00 .....	MIC, NOISE CANCELING WITH LTW CONNECTOR
N .....	DM-MC9R .....	80.94 .....	MICROPHONE, STANDARD, XG-25M
<b>9. Mounting/Cabling Kit</b>			
N .....	DM-ZN9X .....	195.00 .....	KIT, ACCESSORIES, XG-25M
<b>10. Miscellaneous</b>			
<b>Additional Accessories</b>			
N .....	DM-MN1D .....	27.00 .....	SPEAKER, MOBILE, 4 OHM
<b>Programming and Option Cables</b>			
N .....	DM-CL2X .....	141.98 .....	CABLE, OPTION, XG-25M
N .....	DM-CL2Y .....	90.00 .....	CABLE, PROGRAMMING, XG-25M
N .....	DM-CJ3D .....	350.00 .....	CABLE, KVL KEY LOADING (CH-721/HHC-731)
<b>Warranty</b>			
N .....	DM-Y1EWM .....	80.00 .....	WARRANTY, EXTENDED 1 YR, MOBILE
N .....	DM-Y2EWM .....	130.00 .....	WARRANTY, EXTENDED 2 YR, MOBILE
N .....	DM-Y3EWM .....	180.00 .....	WARRANTY, EXTENDED 3 YR, MOBILE
<b>Industry Canada</b>			
N .....	DM-EC1A .....	5.00 .....	OPTION, INDUSTRY CANADA
<b>Manuals</b>			
V .....	MM100DM .....	65.00 .....	MANUAL, MAINTENANCE, XG-25M, VHF
V .....	MM450DM .....	65.00 .....	MANUAL, MAINT, XG-25M, UHF
V .....	MM780DM .....	65.00 .....	MANUAL, MAINTENANCE, XG-25M, 700/800 MHZ
V .....	MM400DM .....	25.00 .....	MANUAL, INSTALLATION, XG-25M

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## M5300 MOBILES

Band: 800

Product Code: HK



M5300 with CH-721 Scan



M5300 with CH-721 System

Standard hardware and software features

**All M5300 orders must be placed through the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (All models below include the P25 Conventional Operational Mode Package)</b>			
<b>M5300 800 MHz</b>			
C	MAHK-S8MTX	2,375.00	MOBILE, 800 MHZ, OPENSky UTILITY
C	MAHK-S8MEX	2,375.00	MOBILE, 800 MHZ, EDACS UTILITY
C	MAHK-S8MDX	2,575.00	MOBILE, 800 MHZ, EDACS & OPENSky UTILITY
<b>2. Antennas</b>			
S	AN-125001-001	40.00	ANTENNA, BASE, STANDARD ROOF MOUNT
S	AN-125001-002	80.00	ANTENNA, BASE, STANDARD ROOF MOUNT LOW LOSS
S	AN-125001-006	175.00	ANTENNA, BASE, STANDARD ROOF MOUNT LOW LOSS GPS
S	AN-125001-003	45.00	ANTENNA, BASE, THICK ROOF MOUNT
S	AN-125001-004	85.00	ANTENNA, BASE, THICK ROOF MOUNT LOW LOSS
S	AN-125001-007	70.00	ANTENNA, BASE, MAGNETIC ROOF MOUNT
S	AN-125001-008	90.00	ANTENNA, BASE, MAGNETIC MOUNT LOW LOSS
S	AN-025137-008	510.00	ANTENNA, YAGI, 800 MHZ, 10 dB GAIN
N	MAHK-NAN3L	160.00	ANTENNA, GPS MAGNET MOUNT
N	MAHK-NAN5F	155.00	ANTENNA, GPS, ROOF MOUNT
S	AN-225001-001	90.00	ANTENNA, ELEMENT, 700/800 3dB
S	AN-225001-003	170.00	ANTENNA, ELEMENT, 700/800 3dB ELEV FD NGP
S	AN-225001-004	60.00	ANTENNA, ELEMENT, 700/800 2dB LOW PROFILE
S	AN-225001-005	90.00	ANTENNA, ELEMENT, 700/800 5dB

**For keyloader, see section 9.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**M5300 MOBILES**

Band: 800

Product Code: HK

E/C	Model No.	List Price \$	Description
<b>2. Antennas (Cont'd)</b>			
S	AN-225005-001	90.00	ANTENNA, ELEMENT, 900, 3dB
S	AN-225005-002	195.00	ANTENNA, ELEMENT, 900, 3dB, EF
S	AN-225005-003	195.00	ANTENNA, ELEMENT, 900, NGP, 3dB, EF
S	AN-225005-004	60.00	ANTENNA, ELEMENT, 900, LOW PROFILE, 3dB
<b>3. GPS Options</b>			
N	MAHK-NMK5F	525.00	GLOBAL POSITIONING SYSTEM (GPS)
N	MAHK-NCL8B	195.00	CABLE, OPTIONS
<b>4. Operational Mode Packages</b>			
NB	MAHK-PKUPT	750.00	FEATURE, UPGRADE TO P25 TRUNKING (Includes Analog Conventional operation, For 800 MHz only)
<b>5. Encryption Options</b>			
N	HK-PL4U	0.01	FEATURE, SINGLE-KEY-DES ENCRYPTION* Included with MAHK-PKUPV, MAHK-PKUPT, and MAHK-PKUPC only
N	HK-PL9E	0.01	FEATURE SINGLE-KEY AES ENCRYPTION*
NB	MAHK-PKG8C	895.00	FEATURE, 256-AES, ECP & OTP, 64-DES, ECP (Includes 256-B AES Encryption for P25, ProVoice, & OpenSky and 64-B DES Encryption for P25 & ProVoice, For 800 MHz only)
N	MAHK-NPL8D	695.00	FEATURE, 256-AES, OTP Encryption (Includes 256-B AES Encryption for OpenSky, For 800 MHz only)
NB	MAHK-PKG8F	595.00	FEATURE, 256-AES, 64-DES ECP Encryption (Includes 256-B AES Encryption and 64-B DES Encryption for P25 & ProVoice, For 800 MHz only)
N	MAHK-NPL8E	495.00	FEATURE, 128B-AES, OTP Encryption (Includes 128-B AES Encryption for OpenSky)
N	MAHK-NPL3V	395.00	FEATURE, 64B-DES Encryption for P25 and ProVoice
N	MAHK-NPL7M	495.00	FEATURE, 256B-AES Encryption for P25 and ProVoice
*Single-Key DES and Single-Key AES are available for P25 Conventional and P25 Trunked operation. Neither is available for EDACS operation.			
<b>6. Software Features</b>			
<b>Software Options</b>			
N	HK-PL4E	240.00	FEATURE, CONVENTIONAL VOTE SCAN
N	MAHK-NPL7K	110.00	FEATURE, DIRECT FREQUENCY ENTRY
N	MAHK-NPL6T	19.50	FEATURE, MDC-1200
<b>OpenSky Software Options</b>			
N	MAHK-NPL7X	250.00	FEATURE, OPENSky DATA
<b>ProVoice, EDACS, and P25 Software Options</b>			
N	MAHK-NPL7Z	0.00	FEATURE, 512 SYSTEMS/GROUPS*
N	HK-PL4W	50.00	FEATURE, CONTROL AND STATUS SERVICES
NB	MAHK-PKUPV	250.00	FEATURE, UPGRADE TO ProVoice (Must have Operational Mode Package containing EDACS for this upgrade)
*512 systems/groups is a standard feature			

**M5300 MOBILES**

Band: 800

Product Code: HK

E/C	Model No.	List Price \$	Description
<b>6. Software Features (Cont'd)</b>			
<b>EDACS Software Options</b>			
N .....	MAHK-NPL5K .....	265.00 .....	FEATURE, ProFile™ OVER-THE-AIR PROGRAMMING
N .....	MAHK-NPL3R .....	215.00 .....	FEATURE, MAXIMUM (1,204+) SYSTEMS/GROUPS
N .....	MAHK-NPL3X .....	215.00 .....	FEATURE, EDACS DATA
N .....	MAHK-NPL7G .....	110.00 .....	FEATURE, EDACS SECURITY KEY
N .....	MAHK-NPL7N .....	60.00 .....	FEATURE, RADIO TEXTLINK
N .....	MAHK-NPL3Y .....	55.00 .....	FEATURE, STATUS MESSAGE
<b>P25 Software Options</b>			
N .....	HK-PL5L .....	495.00 .....	FEATURE, P25 OVER-THE-AIR-REKEYING (OTAR)
N .....	HK-PL4F .....	250.00 .....	FEATURE PACKAGE, P25 PHASE 2, TDMA
N .....	MAHK-NPL7P .....	215.00 .....	FEATURE, P25 DATA (For 800 MHz only)
N .....	HK-PL8M .....	150.00 .....	FEATURE, EDATA
N .....	HK-PL8N .....	150.00 .....	FEATURE, IN-BAND GPS
N .....	HK-LLA .....	75.00 .....	FEATURE, LINK LAYER AUTHENTICATION
<b>7. Control Unit (Select one)</b>			
N .....	MAHK-NCP9G .....	685.00 .....	CONTROL UNIT, CH-721, SCAN, FRONT MOUNT
N .....	MAHK-NCP9H .....	790.00 .....	CONTROL UNIT, CH-721, SYSTEM, FRONT MOUNT
N .....	MAHK-NCP9E .....	720.00 .....	CONTROL UNIT, CH-721 SCAN, REMOTE MOUNT
N .....	MAHK-NCP9F .....	825.00 .....	CONTROL UNIT, CH-721, SYSTEM, REMOTE MOUNT
N .....	MAHK-NCP9P .....	900.00 .....	CONTROL UNIT, HHC-731
N .....	MAHK-NZN9G .....	472.78 .....	KIT, HHC-731, INSTALLATION ACCESSORIES
<b>Dual Control Units (Order Microphone Separately)</b>			
Order complete transceiver, first control unit, and accessories. Then order dual control options to provide a second control head, accessory cable, speaker, mounting bracket and hardware.			
N .....	MAHK-NZN7C .....	1,115.00 .....	CONTROL UNIT, DUAL CONTROL, 2-6, CH-721, SCAN WITH INSTALLATION HARDWARE
N .....	MAHK-NZN7D .....	1,220.00 .....	CONTROL UNIT, DUAL CONTROL, 2-6, CH-721, SYSTEM WITH INSTALLATION HARDWARE
<b>8. Microphone (Select one)</b>			
N .....	MAHK-NMC7Z .....	80.00 .....	MICROPHONE, STANDARD, CH-721 CONTROL UNIT
N .....	MAHK-NMC9D .....	160.00 .....	MICROPHONE, NOISE CANCELING, CH-721 CONTROL UNIT
N .....	MAHK-ZN9F .....	195.00 .....	MICROPHONE, DESKTOP
N .....	MAHK-NMC9C .....	330.00 .....	MICROPHONE, DTMF, CH-721 CONTROL UNIT
<b>Dual Control Unit Microphone (Select one)</b>			
N .....	MAHK-NMC9D .....	160.00 .....	MICROPHONE, NOISE CANCELLING, CH-721 CONTROL UNIT
N .....	MAHK-NMC7Z .....	80.00 .....	MICROPHONE, STANDARD, CH-721 CONTROL UNIT
<b>9. Mounting/Cabling Kit</b>			
N .....	MAHK-NZN7R .....	360.00 .....	ACCESSORIES, M5300 REMOTE MOUNT
N .....	MAHK-NZN6W .....	274.50 .....	ACCESSORIES, M5300 FRONT MOUNT
NOTE: Mounting/Cabling Kit includes Power Cable, External Speaker, Mounting Bracket(s), Mic Hanger, and Radio Control Cable.			
<b>10. Miscellaneous</b>			
<b>Motorcycle Kit</b>			
N .....	MAHK-NZN9H .....	1,765.00 .....	KIT, MOTORCYCLE W/ACC CABLE, 800/900
N .....	MAHK-NZN9J .....	1,665.00 .....	KIT, MOTORCYCLE W/O ACC CABLE, 800/900
V .....	LE-OM806HDBKTNCDs ..	87.92 .....	ANTENNA, 800 MHZ, BLACK BASE, STRD COAX For motorcycle applications



**M5300 MOBILES**

Band: 800

Product Code: HK

E/C	Model No.	List Price \$	Description
<b>10. Miscellaneous (Cont'd)</b>			
<b>Cables</b>			
N	MAHK-NCL8B	195.00	CABLE, OPTIONS
N	MAHK-NCL8T	185.00	CABLE, SERIAL DATA, 20 FT
N	MAHK-NCL8C	90.00	CABLE, CH-721 OPTION CABLE
N	MAHK-NCL7R	90.00	CABLE, SERIAL PROGRAMMING, M5300
N	MATQ-NCL8U	180.00	CABLE, PROGRAMMING, CH-721 FRONT CONNECTOR
N	MAHK-NCL9L	90.00	CABLE, SERIAL PROGRAMMING, HHC-731
<b>Additional Accessories</b>			
S	KT-013492-002	325.00	KEYCAP KIT, SCAN, LARGE, ARROW KIT, 50 PK
S	KT-013492-001	140.00	KEYCAP KIT, SYSTEM, BLANK WHITE, CH-721, 50 PK
S	KT-013492-003	170.00	KEYCAP KIT, SYSTEM, OPTIONAL
S	FM-013327	120.00	KEYCAP KIT, SYSTEM
S	FM-013332	125.00	KEYCAP KIT, SCAN, CH721
<b>Warranty</b>			
N	HK-Y1EWM	80.00	WARRANTY, EXTENDED 1 YR, MOBILE
N	HK-Y2EWM	130.00	WARRANTY, EXTENDED 2 YR, MOBILE
N	HK-Y3EWM	180.00	WARRANTY, EXTENDED 3 YR, MOBILE
<b>Industry Canada</b>			
N	MAHK-NEC1A	5.00	OPTION, INDUSTRY CANADA
<b>Manuals</b>			
V	MAMM-780MW	65.00	MANUAL, MAINT, XG-75M/M7300, M5300 (700/800)
V	MAMM-900HK	65.00	MANUAL, MAINT, M5300, 900 MHZ
V	MM400HK	25.00	MANUAL, INSTALL, M5300



**M7200 VEHICULAR TACTICAL NETWORK (V-TAC)**

Band: 700/800

Product Code: MV



**All M7200 V-TAC orders must be placed through the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
<b>1. Transceiver (Select one)</b>			
C .....	MAMV-VDLXX .....	9,775.00 ....	V-TAC, M7200, 764-870 MHz, Unencrypted
<b>2. Antennas (Select one)</b>			
S .....	AN-025187-001 .....	155.00 ....	ANTENNA, GPS, ROOF MOUNT
S .....	AN-225001-001 .....	90.00 ....	ANTENNA, ELEMENT, 700/800 3dB
S .....	AN-225001-003 .....	170.00 ....	ANTENNA, ELEMENT, 700/800 3dB ELEV FD NGP
S .....	AN-225001-004 .....	60.00 ....	ANTENNA, ELEMENT, 700/800 2dB LOW PROFILE
S .....	AN-225001-005 .....	90.00 ....	ANTENNA, ELEMENT, 700/800 5dB
<b>3. Operational Mode Packages (Must select one operational mode for mobile operation)</b>			
The M7200 V-TAC repeater functionality only operates in the OpenSky® protocol. The V-TAC can also support EDACS®, ProVoice™, and P25 protocols as additional options when operating in the Mobile mode.			
NB .....	MAMV-OS .....	2,040.00 ....	FEATURE PACKAGE, OPENSKEY VOICE AND DATA TRUNKING (includes P25 Conventional and Analog Conventional operation)
NB .....	MAMV-PKGNS .....	2,670.00 ....	FEATURE PACKAGE, OPENSKEY AND PROVOICE TRUNKING (includes EDACS, P25 Conventional, and Analog Conventional operation)
NB .....	MAMV-PT .....	1,830.00 ....	FEATURE PACKAGE, P25 TRUNKING (includes P25 Conventional and Analog Conventional operation)
<b>4. Software Features</b>			
<b>P25 Software Options</b>			
N .....	MV-PL4F .....	250.00 ....	FEATURE PACKAGE, P25 PHASE 2, TDMA
<b>5. Control Unit</b>			
N .....	MAMV-CP9F .....	825.00 ....	CONTROL UNIT, CH-721, SYSTEM, REMOTE MOUNT
<b>Dual Control Units (Order Microphone Separately)</b>			
Order complete transceiver, first control unit, and accessories. Then order dual control options to provide a second control head, accessory cable, speaker, mounting bracket and hardware.			
N .....	MAMV-NZN7C .....	1,115.00 ....	CONTROL UNIT, DUAL CONTROL, CH-721 SCAN
N .....	MAMV-NZN7D .....	1,220.00 ....	CONTROL UNIT, DUAL CONTROL, CH-721 SYSTEM

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**M7200 VEHICULAR TACTICAL NETWORK (V-TAC)**

Band: 700/800

Product Code: MV

E/C	Model No.	List Price \$	Description
<b>6. Microphone (Select one)</b>			
N	MAMV-NMC9C	330.00	MICROPHONE, DTMF, CH-721 CONTROL UNIT
N	MAMV-NMC9D	160.00	MICROPHONE, NOISE CANCELING, CH-721 CONTROL UNIT
N	MAMV-MC7Z	80.00	MICROPHONE, STANDARD (CH-721)
<b>Dual Control Unit Microphone (Select one)</b>			
N	MAMV-NMC9D	160.00	MICROPHONE, NOISE CANCELING, CH-721 CONTROL UNIT
N	MAMV-MC7Z	80.00	MICROPHONE, STANDARD (CH-721)
<b>7. Miscellaneous</b>			
N	MAMV-NZN7W	360.00	ACCESSORIES, M7200 REMOTE MOUNT KIT
N	MAMV-NZN8J	275.00	ROCKER SWITCH OPTION, V-TAC
<b>Programming and Option Cables</b>			
N	MAMV-NCL7K	210.00	CABLE, FULL I/O OPTION
N	MAMV-NCL8T	115.00	CABLE, SERIAL, DATA, 20 FT
N	MAMV-NCL8R	100.00	CABLE, M7200, SERIAL PROGRAMMING
N	MAMV-NCL8C	90.00	CABLE, CH-721 OPTION CABLE
N	MAMV-NCL7R	90.00	CABLE, SERIAL PROGRAMMING, CH-721
<b>Manuals</b>			
V	MAMM-785MV	65.00	MANUAL, MAINTENANCE, M7200 V-TAC, 700/800 MHZ
V	MM400MV	25.00	MANUAL, INSTALL, M7200 V-TAC MOBILE

**CS7000 CONTROL STATION**

Product Code: MW, HK

**Standard Features:**

- OpenSky® Operation
- P25 Trunking and Conventional
- EDACS® Operation
- Unity® XG-100M Full-Spectrum Multiband
- XG-75M/M7300 Dual-Band 700/800 MHz with 35W Output Power (15W for OpenSky)
- M5300 at 800 MHz or 900 MHz with 35W Output Power (15W for OpenSky)
- Half-Duplex Voice and Data
- Software Configurable
- Over-the-Air Programming
- TIA/EIA-232 Serial Interface or USB
- Supports up to 5 CAN Peripherals

**Optional Features:**

- Desktop Control Unit

**All CS7000 orders must be placed through the Product Configurator. The following is for information only.**

**CS7000 model numbers require a Unity XG-100M, XG-75M/M7300, or M5300 mobile to complete the configuration for control station operation. The CS7000 is presented in the Product Configurator as an installation option for the model and feature set of the radio being ordered.**

E/C	Model No.	List Price \$	Description
N .....	XMZN8L .....	5,675.00.....	CONTROL STATION, CS7000, LOCAL/REMOTE CONTROL, UNITY XG-100M*
N .....	XMZN8K .....	3,240.00.....	CONTROL STATION, CS7000, LOCAL CONTROL, UNITY XG-100M*
N .....	MAMW-NZN8L .....	5,675.00.....	CONTROL STATION, CS7000, LOCAL/REMOTE CONTROL, M7300*
N .....	MAMW-NZN8K .....	3,240.00.....	CONTROL STATION, CS7000, LOCAL CONTROL, M7300
N .....	MAHK-NZN8L .....	5,675.00.....	CONTROL STATION, CS7000, LOCAL/REMOTE CONTROL, M5300
N .....	MAHK-NZN8K .....	3,240.00.....	CONTROL STATION, CS7000, LOCAL CONTROL, M5300*
*For CS7000 Local/Remote Control, a remote CH-721 control unit can be used for additional remote control functionality. The CS7000 does not support DDC-100 operation. Refer to the Conventional Tone Remote Controller pages herein for information on the tone remote controller and its options.			
<b>Control Units</b>			
N .....	MAMW-ZN9B .....	2,140.00.....	CONTROL UNIT, SP721, DESK TOP CONTROLLER
<b>Microphone (Select one)</b>			
N .....	MAHK-NMC7Z .....	80.00.....	MICROPHONE, STANDARD, CH-721 CONTROL UNIT
N .....	MAMW-ZN9F .....	195.00.....	MICROPHONE, DESKTOP

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**CS7000 CONTROL STATION**

Product Code: MW, HK

E/C	Model No.	List Price \$	Description
<b>Antennas</b>			
V	AN-025137-003	230.00	ANTENNA, YAGI, UHF-L 375-403 MHZ, 10 dB GAIN
V	AN-025137-004	230.00	ANTENNA, YAGI, UHF-L 406-440 MHZ, 9 dB GAIN
V	AN-025137-005	230.00	ANTENNA, YAGI, UHF-H 440-480 MHZ, 10 dB GAIN
V	AN-025137-012	350.00	ANTENNA, YAGI, UHF-H 470-512 MHZ, 9 dB GAIN
S	AN-025137-007	729.00	ANTENNA, YAGI, 700 MHZ, 10 dB GAIN
S	AN-025137-008	510.00	ANTENNA, YAGI, 800 MHZ, 10 dB GAIN
V	AN-025137-010	435.00	ANTENNA, 700/800 MHZ YAGI, 6.5 dB
V	AN-025137-009	200.00	ANTENNA, YAGI, 900 MHZ, 10 dB GAIN
<b>Mounting/Cabling Kit</b>			
N	MAHK-NMA6P	290.00	BRACKET KIT, RACK MOUNT, CS7000 For use with M5300
N	MAMW-NMA6P	160.00	BRACKET KIT, RACK MOUNT, CS7000 For use with M7300
N	XMMA6P	160.00	BRACKET KIT, RACK MOUNT, CS7000 For use with Unity XG-100M
<b>Cables</b>			
N	MAMW-ZN9C	115.00	CABLE ASSEMBLY, CAN, 30 FT STRAIGHT-RIGHT
N	MAMW-ZN9D	265.00	CABLE ASSEMBLY, CAN, 90 FT STRAIGHT-RIGHT
N	MAMW-ZN9E	685.00	CABLE ASSEMBLY, CAN, 250 FT STRAIGHT-RIGHT
N	MAMW-NCL8B	190.00	CABLE, OPTIONS
N	MAHK-NCL8T	185.00	CABLE, SERIAL DATA, 20 FT
N	MAHK-NCL8C	90.00	CABLE, CH-721 OPTION CABLE
N	MAHK-NCL7R	90.00	CABLE, SERIAL PROGRAMMING, M5300
N	MATQ-NCL8U	180.00	CABLE, PROGRAMMING, CH-721 FRONT CONNECTOR
<b>Manuals</b>			
V	MAMM-07KCS	35.00	MANUAL, MAINTENANCE, OPERATOR/INSTALLATION, CS7000

## CONVENTIONAL DC, TONE, AND IP TONE REMOTE CONTROLLER

Band: NA

Product Code: RC



### Standard Features:

- Field Programmable by PC
- Controls and displays up to 4 channels
- Intercom
- Monitor
- Mute
- Alert Tone
- Programmable Auxiliaries
- 30 dB of compression and 3 watts of speaker audio
- Installation Manual
- Maintenance Manual

### Optional Features:

- Wall Mount Bracket
- External Tone Cable
- Programming Cable and Software
- Headset and Footswitch
- Remote Button "CG OFF"
- Remote Button "RP OFF"
- Remote Button "RX2"

E/C	Model No.	List Price \$	Description
<b>Conventional DC Remote Controller</b>			
V .....	ID-431-24-46M .....	1,220.00 .....	CONTROL UNIT, MODEL 24-46 DC REMOTE WITH DESK MIC
V .....	ID-431-24-46H .....	1,120.00 .....	CONTROL UNIT, MODEL 24-46 DC REMOTE WITH HANDSET
<b>Conventional Tone Remote Controller</b>			
V .....	ID-431-24-67M .....	1,395.00 .....	CONTROL UNIT, 24-67 TONE RMT W/DESK MIC
V .....	ID-431-24-67H .....	1,295.00 .....	CONTROL UNIT, 24-67 TONE RMT W/HANDSET
<b>IP Tone Remote Controller</b>			
V .....	CU-017947 .....	1,250.00 .....	CONTROL UNIT, MODEL 24-66 VOIP REMOTE WITH HANDSET
V .....	CU-017948 .....	1,185.00 .....	CONTROL UNIT, MODEL 24-66 VOIP REMOTE WITH DESK MIC

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**CONVENTIONAL DC, TONE, AND IP TONE REMOTE CONTROLLER**

Band: NA

Product Code: RC

E/C	Model No.	List Price \$	Description
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**Conventional DC Remote Options**

V	ID-431-RBC-411	90.00	KIT, 4-WIRE AUDIO, DC REMOTE
V	ID-431-RBC-412	90.00	KIT, ALTERNATE LINE/SUPERVISORY CONTROL, DC REMOTE
V	ID-431-RBC-413	50.00	KIT, PARALLEL TX INDICATOR, DC REMOTE

**Conventional Tone Remote Options**

V	ID-431-RBC-622	305.00	KIT, DTMF ENCODER, TONE REMOTE
V	ID-431-RBC-615	305.00	KIT, 2 <sup>ND</sup> LINE WITH SUMMED AUDIO, TONE REMOTE (not compatible with 4-Wire Audio)
V	ID-431-RBC-620	235.00	KIT, ALPHANUMERIC DISPLAY, TONE REMOTE (not compatible with Clock/Vu Meter)
V	ID-431-RBC-613	190.00	KIT, PARALLEL TX, NOTCH FILTER, TONE REMOTE
V	ID-431-RBC-611	90.00	KIT, 4-WIRE AUDIO, TONE REMOTE (not compatible with 2 <sup>nd</sup> Line Summed Audio)
V	ID-431-RBC-612	100.00	KIT, ALTERNATE/SUPERVISORY CONTROL, TONE REMOTE
V	ID-431-RBC-614	20.00	KIT, 12 VDC POWER CABLE, TONE REMOTE
V	ID-431-RBC-616	40.00	KIT, ONE TOUCH TX, TONE REMOTE

**Options/Accessories Common to Conventional Models**

V	ID-431-RBC-007	575.00	HEADSET, WITH FOOTSWITCH
V	ID-431-RBC-003	220.00	KIT, PROGRAMMING CABLE AND SOFTWARE
V	ID-431-RBC-002	90.00	CABLE, EXTERNAL TONE
V	ID-431-RBC-006	80.00	MANUAL, MAINTENANCE (Additional Copy)
V	ID-431-RBC-001	65.00	KIT, WALL MOUNT BRACKET
V	ID-431-RBC-005	35.00	MANUAL, INSTALLATION (Additional Copy)

**Options Applicable With Conventional MASTR® III Stations**

V	ID-900-0718QQ	40.00	KEYCAP, REMOTE "CG OFF"
V	ID-900-0718RR	40.00	KEYCAP, REMOTE "RP OFF"
V	ID-900-0718SS	40.00	KEYCAP, REMOTE "RX2"

## RADIO PROGRAMMING

Product Code: N/A



### Standard Features:

- Windows®-based PC Programming Software
- User-friendly Windows interface
- Extensive On-line Help
- Standard program supports all current and many legacy radios
- Annual Update Service

### Optional Features:

- Windows-based PC Programming Software
  - Capability to use the Same Personalities for Different Radios

## RADIO PROGRAMMER

Harris Radio Personality Manager (RPM) and RPM2 are Windows-based PC applications that allow administrators to retrieve, edit, store, and program personality information for Harris portable and mobile radios. RPM2 software supports XG-15P, XG-25P, XG-75P, XL-150P, XL-185P, and XL-200P portable subscriber units and XG-25M, XG-75M, Unity® XG-100M, XL-185M, and XL-200M radios – simplifying administration of mixed fleets and providing a level of flexibility unprecedented in the industry. RPM software supports XG radios and some legacy portable and mobile radios. Harris Radio Programming Packages contain software and annual update services, allowing customers access to the latest RPM/RPM2 software at no charge for each license that is purchased from Harris. Programming interface modules and product-specific programming cables may be selected from the options/accessories page.

**NOTE:** RPM and RPM2 are supported on the following operating systems:

**RPM:** Windows® 7, Windows 8, Windows 8.1, Windows Server® 2008 R2, Windows 10

**RPM2:** Windows 7, Windows 8, Windows 8.1, Windows 10

E/C	Model No.	List Price \$	Description
<b>Windows-Based Radio Programming Software</b>			
N .....	SS-SW1E.....	895.00 .....	RPM/RPM2 WITH ANNUAL UPDATES (NO DONGLE)
N .....	SS-SW1D .....	1,095.00 .....	RPM/RPM2 W/MAST DONGLE & ANNUAL UPDATES
N .....	SS-SW1M.....	1,095.00 .....	RPM/RPM2 W/DIST DONGLE & ANNUAL UPDATES

**RPM** supports the following radio models in P25 trunked, EDACS trunked, and Conventional modes: Unity® XG-100P, Unity XG-100M, XG-75P, XG-75M, P7300, M7300, P7200, M7200, P5300, M5300, P5400, P5500, P7100<sup>IP</sup>, M7100<sup>IP</sup>, P5200, P5100, XG-25P, XG-25M, XG-15P, Jaguar™ 700P, and Jaguar 725M.

**RPM2** supports the following radio models in P25 trunked, EDACS trunked, and Conventional modes: XL-200P, XL-185P, XL-150P, XG-75P, XG-25P, XG-15P, XL-200M, XL-185M, Unity XG-100M, XG-75M, and XG-25M.

**Right to copy and site licenses are available. Please contact Software Services at 1-800-528-7711 for details.**

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**RADIO PROGRAMMING**

Product Code: N/A

E/C	Model No.	List Price \$	Description
<b>Windows-Based Radio Programming Software (Cont'd)</b>			
LD	MATQ-S3416	800.00	SERVICE, KEY MANAGER UPDATE SERVICE Annual software update services purchased in conjunction with TQS3416 Keeps your TQS3416 software current as new releases are made available. Price covers 1-year enrollment.
<b>Over-the-Air Programming</b>			
S	AE/LZY213771/1	10,050.00	SOFTWARE, ProFile MANAGER
<b>Advanced Access Control</b>			
N	SS-DF3A	450.00	DONGLE, MASTR, AAC With RPM/RPM2 license
N	SS-DF3B	450.00	DONGLE, DISTRIBUTION, AAC With RPM/RPM2 license
N	SS-DF3C	200.00	DONGLE, SECONDARY DISTRIBUTION, AAC Without RPM/RPM2 license
<b>Device Manager</b>			
LD	NM-SG9B	10,000.00	LICENSE, DEVICE MANAGER PREMIUM
LD	NM-SG9A	5,000.00	LICENSE, DEVICE MANAGER PRO
LD	MASS-NSG8X	5,000.00	LICENSE, DEVICE MANAGER PRO TO PREMIUM UPGRADE
S	AA-016293-001	1,439.00	ADAPTER, 16-PORT SERIAL TO USB
S	CA-016292-001	9.50	ADAPTER, CABLE, RJ45 (F) TO DB-9 (M)
<b>Symphony Dispatch Console</b>			
N	SS-SH4V	6,500.00	LICENSE, BASE SIP, 4 EXTENSIONS, 8 CALLS License allows the Symphony console to connect up to 4 telephone extensions and process up to 8 simultaneous calls when connected to a Cisco® Unified Call Manager or Cisco Unified Call Manager Express
N	SS-SH4U	2,500.00	LICENSE, RADIO UNIT MONITOR License allows monitoring of RUM-enabled P25 subscriber units. Requires SR10A.3 or later VIDA network
N	SS-SH5B	2,000.00	LICENSE, BASE SIP, ADD TO ENT/PREM BUNDLE License adds option UD-SH4V to Symphony Enterprise and Premier Console Bundles. Requires UD-ZM1D, UD-ZM1E, UD-ZN2A, or UD-ZN4Z
N	SS-SH4W	1,500.00	LICENSE, SIP, ADD 4 EXTENSIONS, 8 CALLS License provides capacity for 4 additional extensions and 8 additional calls. Requires License UD-SH4V
N	SS-SH4R	750.00	LICENSE, DISCREET LISTENING License allows Discreet Listening of P25 individual calls
N	SS-SH3R	250.00	LICENSE, RADIO CHECK
<b>EDACS Security Key/P25 Personality Lock</b>			
S	CM-013373-002	20.91	SMART CARD READER, GEMALTO PC USB TR PIV
<b>Programming Interface Modules</b>			
S	TQ3370	525.00	KIT, PROGRAMMING INTERFACE MODULE, 110 VAC
S	TQ3370-220	525.00	KIT, PROGRAMMING INTERFACE MODULE, 220 VAC



**RADIO PROGRAMMING**

Product Code: N/A

E/C	Model No.	List Price \$	Description
<b>Programming Cables</b>			
<b>Portables</b>			
N	XL-CJ3A	170.00	CABLE, USB, PROGRAMMING For XL-200P
N	XS-CJ3A	170.00	CABLE, USB, PROGRAMMING For XL-185P
N	XV-CJ3A	170.00	CABLE, USB, PROGRAMMING For XL-150P
N	XPCJ3A	170.00	CABLE, USB, PROGRAMMING, UNITY XG-100P
S	CA-023407-001	190.00	CABLE, PROGRAMMING, XG-75, P7300/P5500/P5400/P5300, XG-25P, and XG-15P
S	MATQ-03421	205.00	ADAPTER CABLE, USB TO RS-232 Allows newer PCs to interface with Harris PC programming accessory cables.
<b>Mobiles</b>			
V	W95-0118-001	20.00	CABLE, USB TYPE-A TO TYPE-C M/M For XL-185M and XL-200M
N	XMCL8U	180.00	CABLE, PROGRAMMING, CH-100/CH-721 FRONT CONNECTOR, UNITY XG-100M
N	MATQ-NCL8U	180.00	CABLE, PROGRAMMING, CH-721 FRONT CONNECTOR, XG-75M/M7300/M5300
S	CA-104861	90.00	CABLE, SERIAL PROGRAMMING, CH-721, M7300/M7200/M5300
N	DM-CL2Y	90.00	CABLE, PROGRAMMING, XG-25M
<b>Legacy Portables</b>			
S	TQ3419	205.00	CABLE, PROGRAMMING, P7200, P7100 <sup>IP</sup> , P5200, AND P5100 TO PC RS-232 NOTE: The portables do not require the TQ3370 interface box with this cable.
<b>Legacy Mobiles</b>			
N	MAMV-NCL8R	100.00	CABLE, M7200, SERIAL PROGRAMMING
S	TQ3409	130.00	CABLE, PROGRAMMING, FOR M7100 <sup>IP</sup> OR JAGUAR 725M, SHOP Plugs directly into the back of the transceiver NOTE: The M7100 <sup>IP</sup> and Jaguar 725M do not require the TQ3370 interface box.
S	TQ3410	80.00	CABLE, PROGRAMMING, FOR M7100 <sup>IP</sup> OR JAGUAR 725M, FIELD Plugs directly into the connector beside the control unit on the front of the transceiver NOTE: The M7100 <sup>IP</sup> and Jaguar 725M do not require the TQ3370 interface box.

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**OPENSKY® SKYMASTR BASE STATION**

Band: 800

Product Code: SK

**Standard Features:**

- Typically 2- to 6-Channel Configuration (4-24 talkpaths)
- OpenSky Digital Protocol
- Simultaneous Digital Voice and Data
- Integrated Trunking Control
- 19.2 kbps Airlink Rate
- Efficient TDMA Operation
- Software Configurable
- Network Management Support
- 48 VDC Power

**Optional Features:**

**SkyMASTR Base Station orders must be placed through the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
C .....	MASK-800HC .....	65,000.00 .....	STATION, SkyMASTR, 800 MHZ, 100W, Ext PS
C .....	MASK-800HS .....	65,000.00 .....	STATION, SkyMASTR, HOT STANDBY, 800 MHZ, 100W
<b>Cabinet</b>			
N .....	MASK-CA3B .....	3,000.00 .....	CABINET, 83 INCH, AC
N .....	SK-CA5P .....	3,000.00 .....	CABINET, 83 INCH, DC
N .....	MASK-MN9R .....	160.00 .....	BRACKETS, CABINET SUPPORT (PAIR)
<b>Cables</b>			
N .....	MASK-CL3U .....	333.00 .....	KIT, CABLE, CHANNEL 1
N .....	MASK-CL3V .....	305.00 .....	KIT, CABLE, CHANNEL 2
N .....	MASK-CL3W .....	314.00 .....	KIT, CABLE, CHANNEL 3, CABINET 1
N .....	MASK-CL3X .....	375.00 .....	KIT, CABLE, CHANNEL 3, CABINET 2
N .....	MASK-CL3Y .....	375.00 .....	KIT, CABLE, CHANNEL 4
N .....	MASK-CL3Z .....	500.00 .....	KIT, CABLE, CHANNEL 5
N .....	MASK-CL4A .....	375.00 .....	KIT, CABLE, CHANNEL 6
N .....	MASK-CL4C .....	100.00 .....	CABLE, DUPLEXER, 1 CHANNEL
N .....	MASK-CL4D .....	145.00 .....	CABLE, DUPLEXER, 2-6 CHANNELS
N .....	MASK-CL4E .....	555.00 .....	CABLE, TTA, 1 CHANNEL
N .....	MASK-CL4F .....	83.00 .....	CABLE, TTA, 2-4 CHANNELS
N .....	MASK-CL4G .....	135.00 .....	CABLE, TTA, 5-6 CHANNELS
N .....	MASK-NCA3K .....	250.00 .....	CABLE, CAB-HD8-ASYNC
N .....	MASK-NCL7U .....	100.00 .....	CABLE, VSWR ALARM RA18

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**OPENSKY® SKYMASTR BASE STATION**

Band: 800

Product Code: SK

E/C	Model No.	List Price \$	Description
<b>Miscellaneous</b>			
N	MASK-NCN7Q	607.00	ASSEMBLY, PUNCH BLOCK, OpenSky
N	MASK-NPS2N	1,850.00	POWER SUPPLY, OpenSky, 120/240 VAC, 12/28 VDC
NB	MASK-NSG9B	10,000.00	LICENSE, DEVICE MANAGER PREMIUM
N	MASK-AM1C	21,610.00	KIT, TOWER TOP AMPLIFIER, 700 MHZ
N	MASK-CL4B	8,029.00	KIT, COMMON EQUIPMENT, HOT STANDBY CHANNEL, 800 MHZ
N	MASK-CL6D	8,357.00	KIT, COMMON EQUIPMENT, HOT STANDBY CHANNEL, 700 MHZ
N	MASK-NTS5L	4,530.00	KIT, ALARM FOR OpenSky
N	MASK-CB1A	5,120.00	COMBINER, TX, 2 CHANNEL, 800 MHZ
N	MASK-CB1B	6,953.00	COMBINER, TX, 3 CHANNEL, 800 MHZ
N	MASK-CB1C	9,000.00	COMBINER, TX, 4 CHANNEL, 800 MHZ
N	MASK-CB1D	10,500.00	COMBINER, TX, 5 CHANNEL, 800 MHZ
N	MASK-CB1E	12,000.00	COMBINER, TX, 6 CHANNEL, 800 MHZ
N	MASK-CB1G	6,500.00	COMBINER, TX, 2 CHANNEL, 700 MHZ
N	MASK-CB1H	9,000.00	COMBINER, TX, 3 CHANNEL, 700 MHZ
N	MASK-CB1J	12,000.00	COMBINER, TX, 4 CHANNEL, 700 MHZ
N	MASK-CB1K	15,000.00	COMBINER, TX, 5 CHANNEL, 700 MHZ
N	MASK-CB1L	18,000.00	COMBINER, TX, 6 CHANNEL, 700 MHZ
N	MASK-NCB2H	7,000.00	COMBINER, 2 CHANNEL, 700 MHZ
N	MASK-NCB1S	7,500.00	COMBINER, 2 CHANNEL, 700/800 MHZ, 1-1
N	MASK-NCB2N	6,000.00	COMBINER, 2 CHANNEL, 800 MHZ
N	MASK-NCB2J	9,000.00	COMBINER, 3 CHANNEL, 700 MHZ
N	MASK-NCB1T	9,000.00	COMBINER, 3 CHANNEL, 700/800 MHZ, 1-2
N	MASK-NCB1X	9,500.00	COMBINER, 3 CHANNEL, 700/800 MHZ, 2-1
N	MASK-NCB2P	8,000.00	COMBINER, 3 CHANNEL, 800 MHZ
N	MASK-NCB2K	12,000.00	COMBINER, 4 CHANNEL, 700 MHZ
N	MASK-NCB1U	12,000.00	COMBINER, 4 CHANNEL, 700/800 MHZ, 1-3
N	MASK-NCB1Y	12,000.00	COMBINER, 4 CHANNEL, 700/800 MHZ, 2-2
N	MASK-NCB2B	11,500.00	COMBINER, 4 CHANNEL, 700/800 MHZ, 3-1
N	MASK-NCB2Q	11,000.00	COMBINER, 4 CHANNEL, 800 MHZ

**OPENSKY® SKYMASTR BASE STATION**

Band: 800

Product Code: SK

E/C	Model No.	List Price \$	Description
<b>Miscellaneous (Cont'd)</b>			
N .....	MASK-NCB2L .....	14,000.00 .....	COMBINER, 5 CHANNEL, 700 MHZ
N .....	MASK-NCB1V .....	14,500.00 .....	COMBINER, 5 CHANNEL, 700/800 MHZ, 1-4
N .....	MASK-NCB1Z .....	14,500.00 .....	COMBINER, 5 CHANNEL, 700/800 MHZ, 2-3
N .....	MASK-NCB2C .....	14,500.00 .....	COMBINER, 5 CHANNEL, 700/800 MHZ, 3-2
N .....	MASK-NCB2E .....	14,500.00 .....	COMBINER, 5 CHANNEL, 700/800 MHZ, 4-1
N .....	MASK-NCB2R .....	13,000.00 .....	COMBINER, 5 CHANNEL, 800 MHZ
N .....	MASK-NCB2M .....	17,000.00 .....	COMBINER, 6 CHANNEL, 700 MHZ
N .....	MASK-NCB1W .....	16,500.00 .....	COMBINER, 6 CHANNEL, 700/800 MHZ, 1-5
N .....	MASK-NCB2A .....	17,000.00 .....	COMBINER, 6 CHANNEL, 700/800 MHZ, 2-4
N .....	MASK-NCB2D .....	17,000.00 .....	COMBINER, 6 CHANNEL, 700/800 MHZ, 3-3
N .....	MASK-NCB2F .....	17,000.00 .....	COMBINER, 6 CHANNEL, 700/800 MHZ, 4-2
N .....	MASK-NCB2G .....	17,500.00 .....	COMBINER, 6 CHANNEL, 700/800 MHZ, 5-1
N .....	MASK-NCB2S .....	15,000.00 .....	COMBINER, 6 CHANNEL, 800 MHZ
N .....	MASK-DF1J .....	13,140.00 .....	MODULE, ETHERNET HUB, 4 PORT
N .....	MASK-NCU3L .....	2,275.00 .....	MODULE, CISCO VWIC2-1MFT-T1/E1
N .....	MASK-NCU3H .....	2,310.00 .....	SWITCH, CISCO 2960
N .....	MASK-MU1W .....	845.00 .....	MULTICOUPLER, RX, 4 PORT
N .....	MASK-MU1X .....	7,335.00 .....	MULTICOUPLER, RX, 8 PORT, WITH LOW NOISE AMPLIFIER
N .....	MASK-NAM1G .....	10,000.00 .....	MULTICOUPLER, 793-824 MHZ, NO FILTER
N .....	MASK-NMU3A .....	7,920.00 .....	MULTICOUPLER, 793-824 MHZ, WITH 3 MHZ FILTER
N .....	MASK-NMU3B .....	7,920.00 .....	MULTICOUPLER, 793-824 MHZ, WITH 6 MHZ FILTER
N .....	MASK-NMU3C .....	7,920.00 .....	MULTICOUPLER, 793-824 MHZ, WITH 9 MHZ FILTER
N .....	MASK-MN9S .....	40.00 .....	PANEL, BLANK, 1 RACK UNIT
N .....	MASK-MN9T .....	50.00 .....	PANEL, BLANK, 2 RACK UNITS
N .....	MASK-MN9U .....	65.00 .....	PANEL, BLANK, 3 RACK UNITS
N .....	MASK-MN9V .....	80.00 .....	PANEL, BLANK, 4 RACK UNITS
N .....	MASK-CN7E .....	30.00 .....	CONNECTOR, TERMINATOR LOAD, 50 OHM
<b>Programming Options</b>			
N .....	MASK-SG6C .....	26,835.00 .....	SOFTWARE, 4 SLOT TDMA
N .....	MASK-SG6B .....	0.01 .....	SOFTWARE, 2 SLOT TDMA
<b>Manuals</b>			
V .....	MAMM-100SK .....	35.00 .....	MANUAL, INSTALLATION, SKYMASTR BASE STATION
V .....	MAMM-700SK .....	65.00 .....	MANUAL, MAINTENANCE, SKYMASTR BASE STATION, 700 MHZ
V .....	MAMM-800SK .....	65.00 .....	MANUAL, MAINTENANCE, SKYMASTR BASE STATION, 800 MHZ
V .....	MAMM-900SK .....	65.00 .....	MANUAL, MAINTENANCE, SKYMASTR BASE STATION, 900 MHZ

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**MASTR® V P25<sup>IP</sup> TRUNKED BASE STATION**

Band: VHF, UHF, 700, 800, 900

Product Code: SV

**Standard Features:**

- Project 25 Compliant Common Air Interface
- All the advantages of IP Network
- Digital Voice and Data

**Optional Features:**

- AC/DC Power
- P25 Phase 1 or Phase 2

**All MASTR V P25<sup>IP</sup> Trunked Base Station orders must be placed through Falcon, the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
C .....	MASV-900M1 .....	14,625.00 .....	STATION, MASTR V, P25T, 900 MHZ
C .....	MASV-800M1 .....	14,625.00 .....	STATION, MASTR V, P25T, 800 MHZ, 799-817 RX
C .....	MASV-800M1-A .....	14,625.00 .....	STATION, MASTR V, P25T, 800 MHZ, 799-817 RX
C .....	MASV-STXMV .....	14,625.00 .....	STATION, MASTR V, P25T, 800 MHZ, 806-824 RX
C .....	MASV-STXMV-A .....	14,625.00 .....	STATION, MASTR V, P25T, 800 MHZ, 806-824 RX
C .....	MASV-700M1-A .....	14,625.00 .....	STATION, MASTR V, P25T, 700 MHZ
C .....	SV-WTXMV .....	14,625.00 .....	STATION, MASTR V, P25T, 494-512 MHZ
C .....	MASV-VTXMV .....	14,625.00 .....	STATION, MASTR V, P25T, 470-494 MHZ
C .....	SV-UTXMV .....	14,625.00 .....	STATION, MASTR V, P25T, 450-470 MHZ
C .....	SV-RTXMV .....	14,625.00 .....	STATION, MASTR V, P25T, 403-430 MHZ
C .....	MASV-NTXMV .....	14,625.00 .....	STATION, MASTR V, P25T, 380-400 MHZ
C .....	MASV-HTXMV .....	14,625.00 .....	STATION, MASTR V, P25T, 150-174 MHZ
N .....	MASA-NMD6X .....	18,375.00 .....	SiteLink, MASTR V
C .....	SAMD7Y .....	21,000.00 .....	KIT, NETWORK SENTRY, CONTROL/DATA, WIN10
C .....	SAMD7Y-DC .....	21,000.00 .....	KIT, NET SENTRY, CNTL/DATA, DC PWR, WIN10
N .....	SV-AW5U .....	8,000.00 .....	POWER AMPLIFIER, LINEAR, 900 MHZ
N .....	SV-AW5R-A .....	8,000.00 .....	POWER AMPLIFIER, LINEAR, 800 MHZ
N .....	SV-AW5L-A .....	8,000.00 .....	POWER AMPLIFIER, LINEAR, 700 MHZ
N .....	SV-AW5P .....	8,569.00 .....	POWER AMPLIFIER, LINEAR, 470-520 MHZ
N .....	SV-AW5T .....	9,156.00 .....	POWER AMPLIFIER, LINEAR, 450-470 MHZ
N .....	SV-AW5S .....	9,160.00 .....	POWER AMPLIFIER, LINEAR, 403-430 MHZ
N .....	SV-AW5N .....	8,634.00 .....	POWER AMPLIFIER, LINEAR, 380-400 MHZ
N .....	SV-AW5M .....	9,032.00 .....	POWER AMPLIFIER, LINEAR, 150-174 MHZ
N .....	MASV-NSG8S .....	2,625.00 .....	FEATURE, P25 VDOC SUPPORT
N .....	SV-RB3G .....	7,500.00 .....	SHELF, 14-SLOT, OPEN RACK
N .....	SV-RB3H .....	7,500.00 .....	SHELF, 14-SLOT, CABINET
N .....	CP-RB3G .....	7,500.00 .....	SHELF, 14-SLOT, OPEN RACK For IP Control Point
N .....	CP-RB3H .....	7,500.00 .....	SHELF, 14-SLOT, CABINET For IP Control Point

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**MASTR® V P25<sup>IP</sup> TRUNKED BASE STATION**

Band: VHF, UHF, 700, 800, 900

Product Code: SV

E/C	Model No.	List Price \$	Description
N .....	MASV-NPM1A .....	2,500.00 .....	PROCESSOR, BASEBAND, MODULE, P25 SIMULCAST
N .....	MASV-NCU4X .....	1,600.00 .....	SWITCH, ETHERNET, REDUNDANT, MASTR V
N .....	CP-CU4X .....	1,600.00 .....	SWITCH, ETHERNET, REDUNDANT, MASTR V For Control Point
N .....	MASV-NPS2P .....	2,295.00 .....	POWER SUPPLY, 110-240V, AC, MASTR V
N .....	MASV-NPS2S .....	2,672.00 .....	POWER SUPPLY, 48VDC, MASTR V
N .....	SV-RB3C .....	800.00 .....	POWER SUPPLY SHELF
N .....	SV-RB3B .....	800.00 .....	POWER SUPPLY SHELF, 1st POSITION
N .....	SV-RB3A .....	800.00 .....	POWER SUPPLY SHELF, 2 <sup>ND</sup> POSITION
N .....	SV-RB3D .....	800.00 .....	POWER SUPPLY SHELF, CAB RACK
N .....	SV-RB3F .....	800.00 .....	POWER SUPPLY SHELF, 1st POS, CAB RACK
N .....	SV-RB3E .....	800.00 .....	POWER SUPPLY SHELF, 2 <sup>ND</sup> POS, CAB RACK
N .....	MASA-SVP25 .....	750.00 .....	SITE INTERFACE EQUIPMENT, P25T MASTR V
C .....	MASV-NRF5G .....	647.00 .....	PRESELECTOR, 470-512 MHZ, MASTR V
C .....	SV-RF5J .....	647.00 .....	PRESELECTOR, 440-470 MHZ, MASTR V
C .....	SV-RF5H .....	647.00 .....	PRESELECTOR, 406-430 MHZ, MASTR V
C .....	MASV-NRF5F .....	647.00 .....	PRESELECTOR, 380-400 MHZ, MASTR V
C .....	MASV-NRF5E .....	647.00 .....	PRESELECTOR, 160-170 MHZ, MASTR V
C .....	MASV-NRF5D .....	647.00 .....	PRESELECTOR, 150-160 MHZ, MASTR V
N .....	MASV-NMN2B .....	137.00 .....	SHIPPING OPTION, NO CABINET, MASTR V

**Manuals**

V .....	MAMM-100SV .....	35.00 .....	MANUAL, INSTALLATION MASTR V P25 TRUNKING BASE STATION
V .....	MAMM-110SV .....	65.00 .....	MANUAL, MAINTENANCE, MASTR V P25 TRUNKING SITE
V .....	MAMM-120SV .....	210.00 .....	MANUAL, MAINTENANCE, MASTR V P25 TRUNKED SIMULCAST
V .....	MM120SV-IP .....	210.00 .....	MANUAL, INSTALLATION, MASTR V IP SIMULCAST
V .....	MM130SV-IP .....	35.00 .....	MANUAL, INSTAL, MASTR V IP SMLCST, DCP

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.



## MASTR® V P25<sup>IP</sup> TRUNKED AUXILIARY RECEIVER

Band: VHF, UHF, 700, 800, 900

Product Code: SV



### Standard Features:

- Project 25 Compliant Common Air Interface
- All the advantages of IP Network
- Digital Voice and Data

### Optional Features:

- AC/DC Power

**All MASTR V P25<sup>IP</sup> Trunked Auxiliary Receiver orders must be placed through the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
C .....	MASV-9TRMV .....	12,375.00 .....	AUX RECEIVER, MASTR V, P25T, 900 MHZ
C .....	MASV-STRMV .....	12,375.00 .....	AUX RECEIVER, MASTR V, P25T, 806-824 MHZ
C .....	MASV-8TRMV .....	12,375.00 .....	AUX RECEIVER, MASTR V, P25T, 799-817 MHZ
C .....	MASV-7TRMV .....	12,375.00 .....	AUX RECEIVER, MASTR V, P25T, 700 MHZ
C .....	SV-WTRMV .....	12,375.00 .....	AUX RECEIVER, MASTR V, P25T, 494-512 MHZ
C .....	SV-VTRMV .....	12,375.00 .....	AUX RECEIVER, MASTR V, P25T, 470-494 MHZ
C .....	SV-UTRMV .....	12,375.00 .....	AUX RECEIVER, MASTR V, P25T, 450-470 MHZ
C .....	SV-RTRMV .....	12,375.00 .....	AUX RECEIVER, MASTR V, P25T, 403-430 MHZ
C .....	MASV-NTRMV .....	12,375.00 .....	AUX RECEIVER, MASTR V, P25T, 380-400 MHZ
C .....	MASV-HTRMV .....	12,375.00 .....	AUX RECEIVER, MASTR V, P25T, 150-174 MHZ

### Manuals

V .....	MM250SR .....	35.00 .....	MANUAL, INSTALLATION, MASTR V AUXILIARY RECEIVER
V .....	MM250SR-IP .....	35.00 .....	MANUAL, INSTALLATION, MASTR V IP AUX RX

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

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## MASTR® V P25<sup>IP</sup> CONVENTIONAL BASE STATION

Band: VHF, UHF, 700, 800, 900

Product Code: SV



### Product Offering:

- Project 25 Compliant Common Air Interface
- P25C Linear Simulcast
- P25C Voted
- P25C Multi-site
- Digital Voice and Data

### Optional Features:

- AC/DC Power

**All MASTR V orders must be placed through Falcon, the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
C .....	SV-9CXMV .....	10,125.00 .....	STATION, MASTR V, P25C, 900 MHZ
C .....	SV-SCXMV .....	10,125.00 .....	STATION, MASTR V, P25C, 800 MHZ, 806-824 RX
C .....	SV-SCXMV-A .....	10,125.00 .....	STATION, MASTR V, P25C, 800 MHZ, 806-824 RX
C .....	SV-8CXMV .....	10,125.00 .....	STATION, MASTR V, P25C, 800 MHZ, 799-817 RX
C .....	SV-8CXMV-A .....	10,125.00 .....	STATION, MASTR V, P25C, 800 MHZ, 799-817 RX
C .....	SV-7CXMV-A .....	10,125.00 .....	STATION, MASTR V, P25C, 700 MHZ
C .....	SV-WCXMV .....	10,125.00 .....	STATION, MASTR V, P25C, 494-520 MHZ
C .....	SV-VCXMV .....	10,125.00 .....	STATION, MASTR V, P25C, 470-494 MHZ
C .....	SV-UCXMV .....	12,375.00 .....	STATION, MASTR V, P25C, 450-470 MHZ
C .....	SV-RCXMV .....	12,375.00 .....	STATION, MASTR V, P25C, 403-430 MHZ
C .....	SV-NCXMV .....	10,125.00 .....	STATION, MASTR V, P25C, 380-400 MHZ
C .....	SV-HCXMV .....	10,125.00 .....	STATION, MASTR V, P25T, 150-174 MHZ
C .....	SA-SVP25C .....	1,100.00 .....	SITE INTERFACE EQUIPMENT, P25C MASTR V
C .....	SAMD7Y .....	21,000.00 .....	KIT, NETWORK SENTRY, CONTROL/DATA, WIN10
C .....	SAMD7Y-DC .....	21,000.00 .....	KIT, NET SENTRY, CNTL/DATA, DC PWR, WIN10
N .....	SV-AW5U .....	8,000.00 .....	POWER AMPLIFIER, LINEAR, 900 MHZ
N .....	SV-AW5R-A .....	8,000.00 .....	POWER AMPLIFIER, LINEAR, 800 MHZ
N .....	SV-AW5L-A .....	8,000.00 .....	POWER AMPLIFIER, LINEAR, 700 MHZ
N .....	SV-AW5N .....	8,634.00 .....	POWER AMPLIFIER, LINEAR, 380-400 MHZ
N .....	SV-AW5P .....	8,569.00 .....	POWER AMPLIFIER, LINEAR, 470-520 MHZ
N .....	SV-AW5T .....	9,156.00 .....	POWER AMPLIFIER, LINEAR, 450-470 MHZ
N .....	SV-AW5S .....	9,160.00 .....	POWER AMPLIFIER, LINEAR, 403-430 MHZ
N .....	SV-AW5M .....	9,032.00 .....	POWER AMPLIFIER, LINEAR, 150-174 MHZ
N .....	MASV-NSG8S .....	2,625.00 .....	FEATURE, P25 VDOC SUPPORT
N .....	SV-RB3G .....	7,500.00 .....	SHELF, 14-SLOT, OPEN RACK
N .....	SV-RB3H .....	7,500.00 .....	SHELF, 14-SLOT, CABINET
N .....	CP-RB3G .....	7,500.00 .....	SHELF, 14-SLOT, OPEN RACK For IP Control Point
N .....	CP-RB3H .....	7,500.00 .....	SHELF, 14-SLOT, CABINET For IP Control Point
N .....	MASV-NPM1A .....	2,500.00 .....	PROCESSOR, BASEBAND, MODULE, P25 SIMULCAST

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**MASTR® V P25<sup>IP</sup> CONVENTIONAL BASE STATION**

Band: VHF, UHF, 700, 800, 900

Product Code: SV

E/C	Model No.	List Price \$	Description
N	MASV-NCU4X	1,600.00	SWITCH, ETHERNET, REDUNDANT, MASTR V
N	CP-CU4X	1,600.00	SWITCH, ETHERNET, REDUNDANT, MASTR V For Control Point
N	MASV-NPS2P	2,295.00	POWER SUPPLY, 110-240V, AC, MASTR V
N	MASV-NPS2S	2,672.00	POWER SUPPLY, 48VDC, MASTR V
N	SV-RB3C	800.00	POWER SUPPLY SHELF
N	SV-RB3B	800.00	POWER SUPPLY SHELF, 1st POSITION
N	SV-RB3A	800.00	POWER SUPPLY SHELF, 2 <sup>ND</sup> POSITION
N	SV-RB3D	800.00	POWER SUPPLY SHELF, CAB RACK
N	SV-RB3F	800.00	POWER SUPPLY SHELF, 1st POS, CAB RACK
N	SV-RB3E	800.00	POWER SUPPLY SHELF, 2 <sup>ND</sup> POS, CAB RACK
C	MASV-NRF5G	647.00	PRESELECTOR, 470-512 MHZ, MASTR V
C	SV-RF5J	647.00	PRESELECTOR, 440-470 MHZ, MASTR V
C	SV-RF5H	647.00	PRESELECTOR, 406-430 MHZ, MASTR V
C	MASV-NRF5F	647.00	PRESELECTOR, 380-400 MHZ, MASTR V
C	MASV-NRF5E	647.00	PRESELECTOR, 160-170 MHZ, MASTR V
C	MASV-NRF5D	647.00	PRESELECTOR, 150-160 MHZ, MASTR V
N	MASV-NMN2B	137.00	SHIPPING OPTION, NO CABINET, MASTR V

**Manuals**

V .....MM100SV-CV .....35.00 .....MANUAL, INSTALLATION, MASTR V P25C IP REPEATER

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

## MASTR® V P25<sup>IP</sup> CONVENTIONAL AUXILIARY RECEIVER

Band: VHF, UHF, 700, 800, 900

Product Code: SV



### Standard Features:

- Project 25 Compliant Common Air Interface
- All the advantages of IP Network

### Optional Features:

- AC/DC Power

**All MASTR V P25<sup>IP</sup> Conventional Auxiliary Receiver orders must be placed through the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
C .....	SV-9CRMV .....	7,875.00 .....	AUX RECEIVER, MASTR V, P25C, 900 MHZ
C .....	SV-SCRMV .....	7,875.00 .....	AUX RECEIVER, MASTR V, P25C, 806-824 MHZ
C .....	SV-8CRMV .....	7,875.00 .....	AUX RECEIVER, MASTR V, P25C, 799-817 MHZ
C .....	SV-7CRMV .....	7,875.00 .....	AUX RECEIVER, MASTR V, P25C, 700 MHZ
C .....	SV-WCRMV .....	7,875.00 .....	AUX RECEIVER, MASTR V, P25C, 494-520 MHZ
C .....	SV-VCRMV .....	7,875.00 .....	AUX RECEIVER, MASTR V, P25C, 470-494 MHZ
C .....	SV-UCRMV .....	12,375.00 .....	AUX RECEIVER, MASTR V, P25C, 450-470 MHZ
C .....	SV-RCRMV .....	12,375.00 .....	AUX RECEIVER, MASTR V, P25C, 403-430 MHZ
C .....	SV-NCRMV .....	7,875.00 .....	AUX RECEIVER, MASTR V, P25C, 380-400 MHZ
C .....	SV-HCRMV .....	7,875.00 .....	AUX RECEIVER, MASTR V, P25C, 150-174 MHZ

### Manuals

V .....	MM250SR-CV .....	35.00 .....	MANUAL, INSTALLATION, MASTR V P25C IP AUXILIARY RECEIVER
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## NETWORK OVERVIEW

### **VIDA®**

The Voice, Interoperability, Data, and Access (VIDA) network can seamlessly utilize multiple air interfaces and technologies across the network, providing complimentary choices for coverage, capacity, and feature sets. Voice-over-IP (VoIP) and Harris' IP-based architecture allow all of the elements to function seamlessly across the network. A single set of unified administration and management applications provides a powerful toolset for managing the VIDA network regardless of which technologies are employed. A VIDA network is easily and cost-effectively scalable across a country, state, region, or even nationwide. Industry-standard routers and servers are used to reduce costs and to future-proof the network.

### **OpenSky®**

Harris' OpenSky wireless network is a fully interoperable digital trunked communications network for public safety, utility, federal, transit, and industrial markets. OpenSky is a complete end-to-end Voice over Internet Protocol (VoIP) solution that employs packet technology to provide integrated voice and data. The OpenSky radio network is the only private land mobile radio communications system that provides clean integration of data messaging with trunked digital voice on the same RF channel. Integrated voice and data over Time Division Multiple Access (TDMA) allows users to perform multiple communication functions at the same time on one radio. The use of TDMA exponentially increases call capacity by allowing four simultaneous voice calls per 25 kHz channel. The Cell Site and V-TAC products provide cost-effective coverage fill-in and coverage extension solutions.

### **P25<sup>IP</sup>**

Harris' P25<sup>IP</sup> was the first completely Internet Protocol (IP)-based mobile radio communications system developed for users requiring the secure digital voice and data capabilities of Project 25 (P25). P25<sup>IP</sup> is part of a portfolio of solutions that Harris offers for wide-area communication systems – each of which is capable of meeting the communications requirements of federal, public safety, public service and first responders. P25<sup>IP</sup> meets the requirements of the P25 Phase 1 and Phase 2 standards, plus provides value-added voice and data features. P25<sup>IP</sup> networks can be configured for single-site, multi-site, simulcast, or a combination. P25<sup>IP</sup> is also particularly appropriate for users operating with non-exclusive VHF and UHF frequencies. For federal users, P25<sup>IP</sup> meets the Congressional and NTIA mandates for the narrowband (12.5 kHz) migration.

### **BeOn®**

BeOn is a managed group communications solution enabling Push-to-Talk, Presence, and Situational Awareness services. BeOn can be configured as a standalone communications platform and can also be tightly integrated with narrowband land mobile radio systems to provide interoperable PTT services. The BeOn client application operates on standard commercial carrier Android™ and iOS™ smartphone and tablet user devices as well as Windows® PCs, providing a very low cost-per-user communications platform. With its built-in suite of applications, BeOn saves time, labor, and money through increased efficiencies and an enhanced communication experience.

BeOn is a next generation platform that is built from the ground up to be tightly integrated with P25 radio systems, supporting key P25 features such as the P25 codec, encryption, ability to declare and sense P25 emergency states, P25 group scanning, and preemption. BeOn builds on P25 functionality while leveraging available broadband data networks to deliver advanced features such as presence states, geographic mapping, and other situational awareness features.

### **NetworkFirst®**

Public safety communications in today's world faces unprecedented challenges. More than ever, Homeland Security and Situation Readiness depend heavily on effective communication among federal, state, county, and local agencies. Harris' NetworkFirst answers the call for an emergency communications network that provides local, regional, state, and even nationwide connectivity. NetworkFirst uses Internet Protocol (IP) packet switched technologies to provide a fast, cost-effective means of achieving multi-agency interoperability, regardless of radio type, frequency, or mode. NetworkFirst creates the most technologically advanced permanent communications network available in the industry today, providing a technology backbone that is extremely flexible, allowing communications requirements to expand – without a wholesale system changeout.

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**VIDA® PREMIER**

Band: N/A

Product Code: NA

**Standard Equipment:**

- VIDA Application Server
- Storage Area Network (SAN)
- Networking Equipment
- Complete VIDA Solution in small form factor

**Standard Features:**

- Real Time Voice, Management, and Administration Applications
- Support for Multi-Region VIDA Systems
- Application High Availability
- VIDA Transcoder
- BeOn® Application
- SUMS Application

**Available Options**

- Location High Availability
- ISSI Gateway Application
- Key Management Facility Application
- Radio TextLink Application
- Telephone Interconnect Gateway
- Interoperability Gateway
- Encompass Gateway
- StatusAware Location Gateway
- eData Gateway

**Contact System Solution Engineering (SSE) for quotes and configurations for the VIDA Premier. The following is for information only.**

**VIDA PREMIER**

The Harris Voice, Interoperability, Data, and Access (VIDA®) network solution supports the use of appropriately selected technologies to achieve an overall network solution that best serves the diverse needs of all user groups operating on the system. The result is a single integrated, cost-effective IP-based communications infrastructure that is scalable, flexible, and easily expanded. The wide dynamic range of technologies supported by the VIDA network opens the door of interoperability between Harris systems, other manufacturers, and many past, present, and future LMR technologies.

The VIDA services platform is a fully integrated solution that provides unified interoperable communications for voice, data, and applications across a multitude of technologies ranging from LMR narrowband to LTE broadband data networks. As a member of Harris' VIDA product family, the VIDA Premier solution is primarily designed for medium-sized multi-region systems. VIDA Premier allows linking multiple agencies, radio vendors, frequencies, and protocols through a common IP network infrastructure. The VIDA network may be configured to provide simultaneous IP connectivity to other Land Mobile Radio technologies such as P25 Trunking (Phase 1 and Phase 2), P25 Conventional, Harris' OpenSky®, NetworkFirst®, VIDA Broadband, VIDA LTE, and BeOn® systems.

**VIDA® PREMIER**

Band: N/A

Product Code: NA

E/C	Model No.	List Price \$	Description
C.....	NM-VM2M-HD.....	100,000.00	HARD DRIVE, EDATA GW VM SOFTWARE
C.....	NM-VM2E-LOC-HD ...	83,500.00	HARD DRIVE, ISSI GW VMWARE SW, LOCATION HA Upgrade option to add ISSI to an SR10A.x VIDA Premier or Unite system when purchased with associated Talkpath and External System Connection licenses. Note that system must also include VSCR21 Internet Firewall(s) and internet access as well.
C.....	NM-VM2E-HD.....	83,750.00	HARD DRIVE, ISSI GW VMWARE SW, APP/HW HA Upgrade option to add ISSI to an SR10A.x VIDA Premier or Unite system when purchased with associated Talkpath and External System Connection licenses. Note that system must also include VSCR21 Internet Firewall(s) and internet access as well.
C.....	NM-VM2A-HD .....	78,000.00	HARD DRIVE, KMF VMWARE SW
C.....	NM-VM2X-HD .....	35,000.00	HARD DRIVE, STATUSAWARE VM SW, 100 DEVICES
C.....	NM-VM2D-HD .....	18,750.00	HARD DRIVE, RADIO TEXTLINK VMWARE SW
C.....	VSSUMSVM-HD.....	10,000.00	HARD DRIVE, SUMS 2.0 VMWARE SW
C.....	VSEPOVM-HD .....	3,500.00	HARD DRIVE, EPOLICY ORCH VMWARE SW

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**VIDA® UNITE**

Band: N/A

Product Code: NA

**Standard Equipment:**

- VIDA Application Server
- Networking Equipment
- Complete VIDA Solution in small form factor

**Standard Features:**

- Real Time Voice, Management, and Administration Applications
- Support for Single-Region VIDA Systems
- Application High Availability
- VIDA Transcoder
- BeOn® Application
- SUMS Application

**Available Options**

- Location High Availability
- ISSI Gateway Application
- Key Management Facility Application
- Radio TextLink Application
- Telephone Interconnect Gateway
- Interoperability Gateway
- Encompass Gateway
- StatusAware Location Gateway
- eData Gateway

**Contact System Solution Engineering (SSE) for quotes and configurations for the VIDA Unite. The following is for information only.**

**VIDA UNITE**

The Harris Voice, Interoperability, Data, and Access (VIDA®) network solution supports the use of appropriately selected technologies to achieve an overall network solution that best serves the diverse needs of all user groups operating on the system. The result is a single integrated, cost-effective IP-based communications infrastructure that is scalable, flexible, and easily expanded. The wide dynamic range of technologies supported by the VIDA network opens the door of interoperability between Harris systems, other manufacturers, and many past, present, and future LMR technologies.

The VIDA services platform is a fully integrated solution that provides unified interoperable communications for voice, data, and applications across a multitude of technologies ranging from LMR narrowband to LTE broadband data networks. As a member of Harris' VIDA product family, the VIDA Unite solution is a lower cost single-region alternative to the VIDA Premier core. VIDA Unite extends the VIDA Services platform to a new entry point on a compact, single-server core.

The VIDA network may be configured to provide simultaneous IP connectivity to other Land Mobile Radio technologies such as P25 Trunking (Phase 1 and Phase 2), P25 Conventional, Harris' OpenSky®, NetworkFirst®, VIDA Broadband, VIDA LTE, and BeOn® systems.

**VIDA® UNITE**

Band: N/A

Product Code: NA

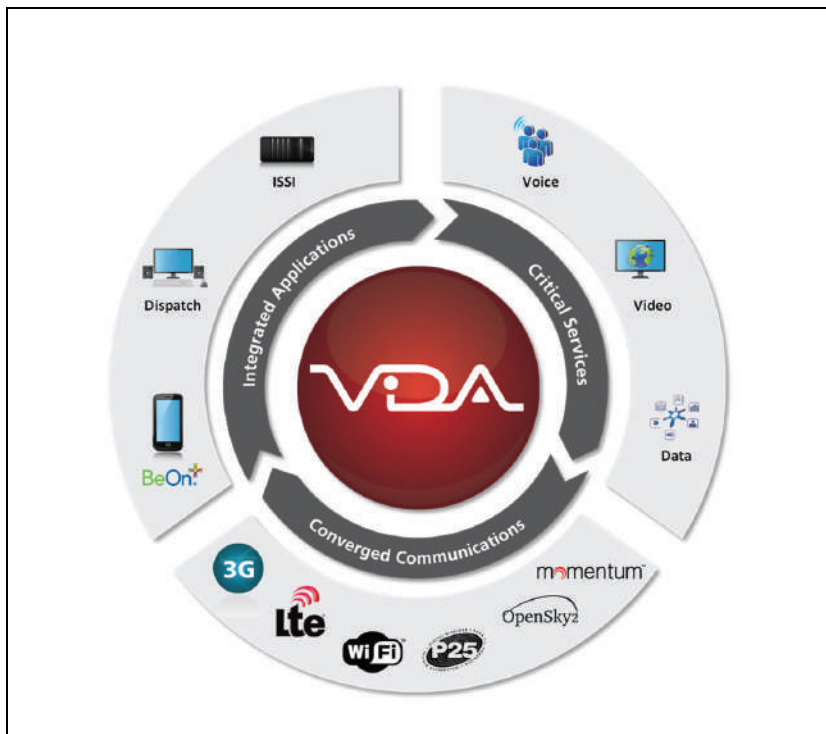
E/C	Model No.	List Price \$	Description
C.....	NM-VM2M-HD.....	100,000.00	HARD DRIVE, EDATA GW VM SOFTWARE
C.....	NM-VM2E-LOC-HD ...	83,500.00	HARD DRIVE, ISSI GW VMWARE SW, LOCATION HA Upgrade option to add ISSI to an SR10A.x VIDA Premier or Unite system when purchased with associated Talkpath and External System Connection licenses. Note that system must also include VSCR21 Internet Firewall(s) and internet access as well
C.....	NM-VM2E-HD.....	83,750.00	HARD DRIVE, ISSI GW VMWARE SW, APP/HW HA Upgrade option to add ISSI to an SR10A.x VIDA Premier or Unite system when purchased with associated Talkpath and External System Connection licenses. Note that system must also include VSCR21 Internet Firewall(s) and internet access as well
C.....	NM-VM2A-HD .....	78,000.00	HARD DRIVE, KMF VMWARE SW
C.....	NM-VM2F-HD .....	40,000.00	HARD DRIVE, VTI VMWARE SW
C.....	NM-VM2X-HD .....	35,000.00	HARD DRIVE, STATUSAWARE VM SW, 100 DEVICES
C.....	NM-VM2D-HD .....	18,750.00	HARD DRIVE, RADIO TEXTLINK VMWARE SW
C.....	VSSUMSVM-HD.....	10,000.00	HARD DRIVE, SUMS 2.0 VMWARE SW
C.....	VSEPOVM-HD .....	3,500.00	HARD DRIVE, EPOLICY ORCH VMWARE SW

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**VIDA® CONNECT**

Band: N/A

Product Code: NA

**Standard Equipment:**

- VIDA Application Server
- Networking Equipment

**Standard Features:**

- Real Time Voice, Management, and Administration Applications
- Support for Single-Region VIDA Systems
- Application High Availability

**Available Options**

- Location High Availability

**Contact System Solution Engineering (SSE) for quotes and configurations for the VIDA Connect. The following is for information only.**

**VIDA CONNECT**

The Harris Voice, Interoperability, Data, and Access (VIDA®) network solution supports the use of appropriately selected technologies to achieve an overall network solution that best serves the diverse needs of all user groups operating on the system. The result is a single integrated, cost-effective IP-based communications infrastructure that is scalable, flexible, and easily expanded. The wide dynamic range of technologies supported by the VIDA network opens the door of interoperability between Harris systems, other manufacturers, and many past, present, and future LMR technologies.

VIDA Connect, combined with a VIDA Premier core, extends the network from a centralized network to a distributed network. VIDA Connect provides a cost-effective solution for adding regions or local service areas to a system while improving services to the area being served. Call traffic within a VIDA Connect region is routed locally while the VIDA Premier core provides management and support functions. This methodology of network management improves geographically challenged backhaul situations, lowers the cost of ownership, improves network security, and builds additional redundancy in a distributed network. With VIDA Connect, critical services during network outages are maintained with the VIDA Premier core.

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**POWER25**

Band: N/A

Product Code: NS

**Standard Equipment:**

- VIDA® Essentials Core
- Voice High Availability with Location High Availability
- Networking Equipment
- MASTR® V Base Stations
- Symphony™ Foundation consoles
- XL-150P Portables

**Standard Features:**

- P25 Phase 1 and Phase 2
- Active Directory for Access Control and Centralized User Management
- SUMS Application for 1 year
- XL-150P with Noise Cancellation, WiFi®, Bluetooth®, and Single-key AES

**Available Options:**

- XL-150P with LTE
- Simulcast Sites
- High-Velocity Data
- StatusAware – In-Band and Tier 2 GPS
- Cybersecurity Product Options
- ISSI or Encompass DFSI Gateway
- UAC/NetworkFirst®
- Key Management products

**Contact System Solution Engineering (SSE) for available Power25 options. The following is for information only.**

**POWER25**

Power25 is a family of product bundles that simplifies ordering and implementing a P25 system. Power25 bundles extend VIDA solutions for coverage, LMR + LTE convergence, cybersecurity, and interoperability into VIDA network packages that include the core, sites, consoles, and portable radios.

All Power25 equipment is ordered via a single option number and list price. Power25 systems are pre-configured in an established equipment list that includes system staging and testing for ease of ordering and implementation. The bundled list price does not include antenna equipment, civils, or implementation services.

Power25 includes a value-priced and right sized VIDA Essentials core that incorporates Voice High Availability (VHA). VHA includes geo-separated HA for real-time voice applications. Power25 utilizes the MASTR V base station at all sites along with XL-150P radios. Additionally, Power25 provides dispatchers with a feature-rich Symphony console. The Power25 bundles represent all the fundamental system products.

**POWER25**

Band: N/A

Product Code: NS

**Power25 Standard Features:**

Power25 Standard Features	
<b>Essentials Core:</b>	Voice High Availability (Geo-Separated)
	P25 Phase 1 and Phase 2
	Unified System Administration (UAS)
	Regional Network Manager (RNM)
	Transcoder
	Regional System Manager
	Cybersecurity protection - Active Directory for Access Control, Authentication, Centralized User Management, Role-Based Accounts
	Cybersecurity protection - SUMS – Security Update Management Services for 1 year
<b>MASTR V Sites:</b>	P25 Phase 1 and Phase 2 (TDMA)
	P25 Multisite feature
	6 channels per site
	Network Sentry
	Standard 86-inch open racks
	10 MHz reference oscillator
<b>Symphony Consoles:</b>	Symphony Foundation Bundle
	22-inch Touch Screen HD Monitor (1)
	USB Keyboard and Mouse (1 each)
	Nano Speakers (2)
	Desk Mic and Single Footswitch (1 each)
	Headset and Jack Box (1 each)
<b>XL-150P:</b>	Single Band
	Bundled Package includes Radio, Battery, Single-Bay Charger, Belt Clip, and Antenna
	Wi-Fi
	Bluetooth
	GPS
	Noise Cancellation



**POWER25**

Band: N/A

Product Code: NS

E/C	Model No.	List Price \$	Description
N .....	NS-PW1A.....	750,000.00 .....	BUNDLE, 800MHZ PWR25 2/12/4, MULTISITE, AC
N .....	NS-PW1B.....	1,200,000.00 .....	BUNDLE, 800MHZ PWR25 4/24/6, MULTISITE, AC
N .....	NS-PW1C.....	2,000,000.00 .....	BUNDLE, 800MHZ PWR25 6/36/10, MULTISITE, AC
N .....	NS-PW1D.....	750,000.00 .....	BUNDLE, 800MHZ PWR25 2/12/4, MULTISITE, DC
N .....	NS-PW1E .....	1,200,000.00 .....	BUNDLE, 800MHZ PWR25 4/24/6, MULTISITE, DC
N .....	NS-PW1F .....	2,000,000.00 .....	BUNDLE, 800MHZ PWR25 6/36/10, MULTISITE, DC

- Upgrade options are available after the purchase of a **complete bundle**.
- Some options drive a new application server (a VASC) and an Essentials Access Switch (EAS).
- Please Contact System Solution Engineering (SSE) for additional frequency bands, LTE bundles, and other additional quotes and configurations for Power25 solutions.

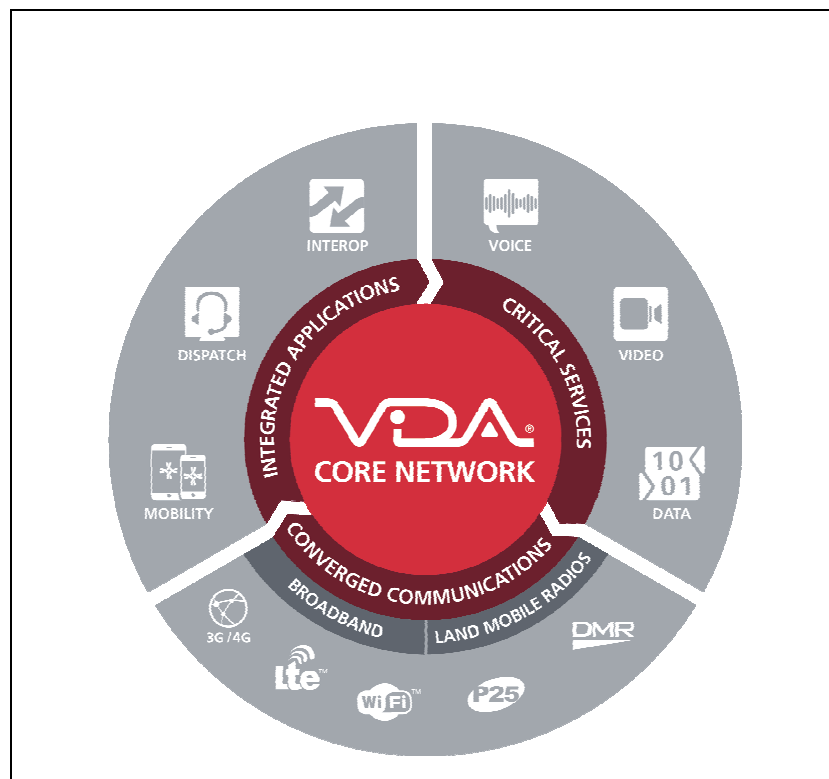
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## VIDA® ESSENTIALS

Band: N/A

Product Code: NA



### Standard Equipment:

- VIDA Application Server
- Networking Equipment
- A VIDA core for smaller systems

### Standard Features:

- Real-Time Voice, Management, and Administration Applications
- Voice High Availability
- VIDA Transcoder
- SUMS™ Application

### Available Options

- Cybersecurity Product Options
- ISSI Gateway Application
- Key Management Facility Application
- Encompass Gateway with DFSI
- UAC/NetworkFirst®
- StatusAware Location Gateway
- Key Management Facility (KMF)
- Firepower Management Center

**Contact System Solution Engineering (SSE) for quotes and configurations for VIDA Essentials. The following is for information only.**

### VIDA ESSENTIALS

The Harris Voice, Interoperability, Data, and Access (VIDA®) network solution supports the use of appropriately selected technologies to achieve an overall network solution that best serves the diverse needs of all user groups operating on the system. The result is a single integrated, cost-effective IP-based communications infrastructure that is scalable, flexible, and easily expanded. The wide dynamic range of technologies supported by the VIDA network opens the door of interoperability between Harris systems, other manufacturers, and many past, present, and future LMR technologies.

The VIDA services platform is a fully integrated solution that provides unified interoperable communications for voice, data, and applications across a multitude of technologies ranging from LMR narrowband to LTE broadband data networks. As a member of Harris' VIDA product family, the VIDA Essentials solution is primarily designed for small-sized single-region systems. VIDA Essentials allows linking multiple agencies, radio vendors, frequencies, and protocols through a common IP network infrastructure. The VIDA network may be configured to provide simultaneous IP connectivity to other Land Mobile Radio technologies such as P25 Trunking (Phase 1 and Phase 2), P25 Conventional, NetworkFirst®, VIDA Broadband, VIDA LTE, and BeOn® systems.

**VIDA® ESSENTIALS**

Band: N/A

Product Code: NA

E/C	Model No.	List Price \$	Description
The following options are virtual machines (VMs) to add to the VIDA Essentials primary core (VASA):			
C.....	NM-VM2E-LOC-HD	83,500.00	HARD DRIVE, ISSI GW VMWARE SW, LOCATION HA Upgrade option to add ISSI to a VIDA Essentials system is available when purchased with associated Talkpath and External System Connection licenses. Note that system must also include VSCR21 Internet Firewall(s) and internet access as well.
C.....	VSSUMSVM-HD	10,000.00	HARD DRIVE, SUMS 2.0 VMWARE SW Upgrade option requires SUMS Endpoint and Core licenses
C.....	VS-DF2U-HD	450.00	HARD DRIVE, KIT, QUEST DEFENDER, TWO FACTOR, W/SW Requires VS-DF3D, KIT, QUEST DEFENDER, TWO FACTOR, for token hardware and license

The VIDA Essentials primary core (VASA) utilizes the Essentials VASC and the Essentials Access Switch (EAS) for additional options. The VASC and the EAS are listed below and are to be configured in Falcon for new systems:

C.....	NS-PN1A	16,500.00	SERVER, VASC, ESSENTIALS (Required for options listed below)
C.....	VS-CU8Y	1,050.00	SWITCH, C1000-8T-2G-L (Required for options listed below)
C.....	VS-CR3C	1,650.00	ROUTER, APP, C921-4P (Required for StatusAware and KMF)

The following options require the VASC and VIDA Essentials Access Switch (EAS):

C.....	VSEPOVM-HD	3,500.00	HARD DRIVE, EPOLICY ORCH VMWARE SW Upgrade option requires anti-virus and host intrusion detection licenses
C.....	NM-VM2A-HD	78,000.00	HARD DRIVE, KMF VMWARE SW (VASC) Upgrade option to add KMF requires the VS-CR3C Home Agent Router
C.....	NM-VM2X-HD	35,000.00	HARD DRIVE, STATUSAWARE VM SW, 100 DEVICES (VASC) Upgrade option to add KMF requires the VS-CR3C Home Agent Router
C.....	NG-SW1F-HD	5,000.00	HARD DRIVE, SW, ENCOMPASS GW FOR DFSI (VAC)
C.....	VS-CR62	3,105.00	FIREWALL, ASA5506-X W/SEC+/FIREPOWER
C.....	VS-CR88	2,823.76	FIREWALL, ASA5506-X W/DES/FIREPOWER
C.....	VS-CR58	815.00	VM, FIREPOWER MGMT CENTER, 2 DEVICE
C.....	VS-CR59	3,258.00	VM, FIREPOWER MGMT CENTER, 10 DEVICE

The following router are options for Encrypted IP links:

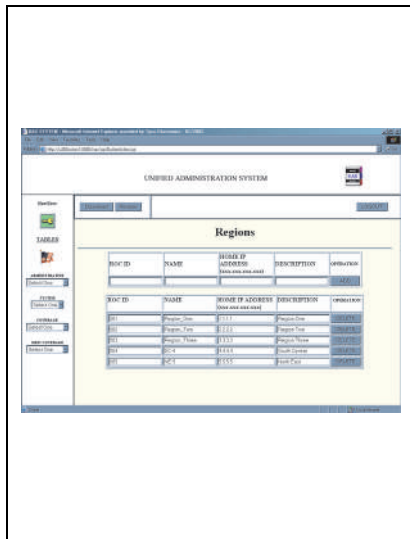
C.....	VS-CR70	5,605.00	ROUTER, ISR4321 AX APP & SEC LIC
C.....	VS-CR1Y	2,180.00	ROUTER, ISR, C1111-4P, SEC
C.....	VS-CR3C	1,650.00	ROUTER, APP, C921-4P

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## OPENSKY®, NETWORKFIRST®, AND P25<sup>IP</sup> UNIFIED ADMINISTRATION SYSTEM (UAS)

Band: N/A

Product Code: NA



### Standard Features:

- Fleet mapping
- Dynamic talkgroup setup for interoperability
- IP-based network administration tool built on World Wide Web technology
- Web-browser access providing an intuitive operator interface
- Implementation of a commercial off-the-shelf relational database management system provides data integrity, preventing users from inadvertently corrupting the system
- User class-based security management

### Optional Features:

**Contact System Solution Engineering (SSE) for quotes and configurations on the Unified Administration System (UAS). The following is for information only.**

### UNIFIED ADMINISTRATION SYSTEM

The Unified Administration System (UAS) is the centralized access point from which the VIDA® network is provisioned. The UAS is Harris-developed software deployed in three tiers – Network Administration System, Network Provisioning Server, and Relational Database Management System. The design of the UAS eases the burden of radio system administrators by providing a tool with intuitive interfaces, integrity checking, and utilities. Customizable security schemes allow operation privileges to be defined on a user basis.

The UAS provides a database of resource pools from which agencies may configure dynamic provisioning properties for the Network Switching Server, base stations, radios, and vehicular repeaters. The UAS software runs on a Virtual Machine on the VIDA Application Server (VAS) on VIDA Premier and VIDA Unite cores.

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## OPENSKY®, NETWORKFIRST®, AND P25<sup>IP</sup> INTEROPERABILITY GATEWAY

Band: N/A

Product Code: NG



### Standard Features:

- Digital Voice Coding using P25, OpenSky, or ADPCM vocoders
- Dispatch Console Interface
- Analog FM Interoperability
- Expandable Channel Capacity
- Group-based Interoperability
- MDC-1200 Signaling
- NetworkFirst Interop Assist Patching Application

### Optional Features:

- Redundant Power Supplies
- AC or DC Operation

**Contact System Solution Engineering (SSE) for quotes and configurations on Interoperability Gateways. The following is for information only.**

### INTEROPERABILITY GATEWAY

The Interoperability Gateway is a software-based multi-channel analog voice interface for the digital network. Its modular design supports up to 12 audio channels and is used to connect existing analog equipment, such as console or analog voice base stations, to the digital network.

The Interoperability Gateway contains voice codecs that interface the digital network to analog equipment. The software-based codecs convert Advanced MultiBand Excitation (AMBE® or AMBE+2™) or Improved MultiBand Excitation (IMBE™) digital voice into analog signals. These codecs provide integration with Harris' OpenSky, OpenSky2™, and P25 Phase 1 and Phase 2 networks. For NetworkFirst systems and to interface to Harris' C3 Maestro<sup>IP</sup> and V<sup>IP</sup> Consoles, the Adaptive Differential Pulse Code Modulation (ADPCM) codec is used to maintain superior voice clarity. The Interoperability Gateway provides direct Ethernet connectivity to Harris' VIDA network, minimizing network connection costs.

Analog voice from the Interoperability Gateway is switched for presentation to dispatchers based on voice group selection parameters in the console processor. Users can be automatically patched across to analog channels by selecting them as designated voice groups, providing capabilities for cross-band and inter-system operation that enable interoperability with other communications systems.

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## VIDA® INTER-RF SUBSYSTEM INTERFACE (ISSI) GATEWAY

Band: N/A

Product Code: NM



### Standard Features:

- Group Calls
- Emergency Calls
- Group and Unit registration
- Call Arbitration
- Fault reporting to the Regional Network Manager
- Provides Call Activity to the Activity Warehouse
- Support for OpenSky® Systems using VIDA Transcoder
- CSSI Support

### Optional Features:

- Supports up to 200 concurrent group calls
- Interface to up to 100 RFSSs
- Redundancy

**Contact System Solution Engineering (SSE) for quotes and configurations on the VIDA ISSI. The following is for information only.**

The Inter-RF Subsystem Interface (ISSI) Gateway provides network-level interoperability between Project 25 Voice, Interoperability, Data, and Access (VIDA) systems and other ISSI-compatible systems. The ISSI Gateway not only allows for inter-system communication but also provides the interface that enables radios to roam between systems.

The ISSI Gateway is based on the Inter-RF Subsystem Interface standard, issued by the Telecommunications Industry Association (TIA) responsible for publishing the Project 25 Land Mobile Radio standards. TIA document TIA-102.BACA defines the interface that provides for interoperability between RF Subsystems (RFSS) regardless of the system manufacturer.

Harris' ISSI Gateway is a software application that resides on the VIDA Application Server (VAS) and can be added to any VIDA network through the creation of a Virtual Machine (VM) on that server. A single instance of the ISSI Gateway application can support connections to many foreign RF Systems simultaneously, allowing the Harris system to be a part of a large wide-area network.

E/C	Model No.	List Price \$	Description
C .....	NM-VM2E-LOC-HD .....	83,500.00 .....	HARD DRIVE, ISSI GW VMWARE SW, LOCATION HA Upgrade option to add ISSI to an SR10A.x VIDA Premier or Unite system when purchased with associated Talkpath and External System Connection licenses. Note that system must also include VSCR21 Internet Firewall(s) and internet access as well.
C .....	NM-VM2E-HD .....	83,750.00 .....	HARD DRIVE, ISSI GW VMWARE SW, APP/HW HA Upgrade option to add ISSI to an SR10A.x VIDA Premier or Unite system when purchased with associated Talkpath and External System Connection licenses. Note that system must also include VSCR21 Internet Firewall(s) and internet access as well.
LD.....	NM-SG9F .....	50,000.00 .....	LICENSE, ISSI EXTERNAL SYSTEM CONNECTION
LD.....	NM-SG9E .....	2,500.00 .....	LICENSE, ISSI GATEWAY TALKPATH

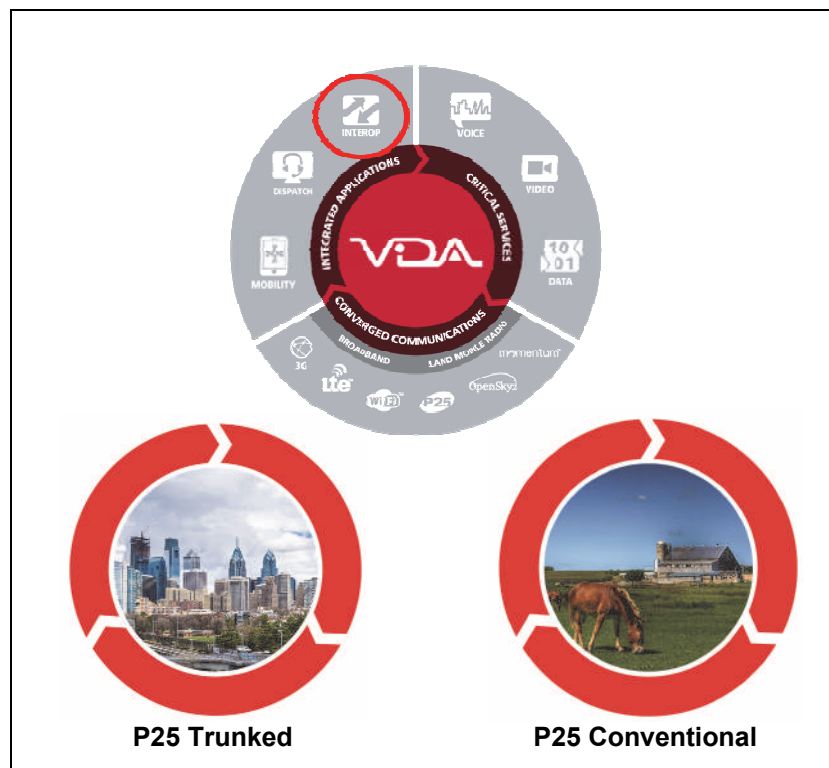
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## ENCOMPASS GATEWAY FOR DFSI

Band: N/A

Product Code: NG



### Standard Equipment:

- Encompass Gateway for DFSI software VM Image

### Standard Features:

- Unencrypted Group Calls
- Encrypted Group Calls
- Emergency Group Calls
- Caller ID in both directions
- Support for Phase 1 and Phase 2 Voice with VIDA Transcoder
- Console Preempt
- Patch and Simulselect
- Convert DFSI Emergency Alarm to VIDA Unit Alert
- Fault Monitoring with ENM
- Device Manager Configuration support
- Support for Analog (G.711)
- Channel Select
- Repeat Mode enable/disable
- Monitor Mode On/Off
- Scan Enable/Disable

**Contact System Solution Engineering (SSE) for quotes and configurations for the Encompass Gateway. The following is for information only.**

### ENCOMPASS GATEWAY

The Encompass Gateway for Digital Fixed Station Interface (DFSI) provides the capability for a VIDA® Network to interface to any P25 Conventional Base Station which supports the DFSI P25 TIA-102 BAHA Fixed Station Interface. The application provides configuration, call control, and audio processing into and out of the VIDA Network for up to 24 connected stations. The Encompass Gateway for DFSI application runs on the VIDA Application Server (VAS) as a Virtual Machine (VM) to minimize the cost of the overall solution. This allows CPU capabilities to be shared among the other VMs on the VAS and the VAS can be sized according to the needs of the aggregate requirements of all the VMs. The Encompass Gateway communicates via IP protocol to DFSI-capable base stations. No additional third-party hardware is required, other than networking equipment such as routers. VIDA is the only LMR solution which can integrate standards-based P25 Trunked and Conventional sites on a Common Core.

Encompass Gateway for DFSI software can be added to any VIDA Core running the SR10A.4 or later System Release. One copy of the Encompass Gateway software and one DFSI talkpath license for each DFSI-capable base station to be interfaced to the VIDA Core must be ordered. If the VIDA Application Server is being upgraded to SR10A.4 from an older System Release, a Windows® 2016 Server license must also be ordered as the Encompass Gateway runs on Windows 2016.

**ENCOMPASS GATEWAY**

Band: N/A

Product Code: NG

E/C	Model No.	List Price \$	Description
<b>Order one copy of the Encompass Gateway software and one DFSI talkpath license for each DFSI-capable base station to be interfaced to the VIDA Core.</b>			
C.....	NG-SW1F-HD.....	5,000.00 .....	HARD DRIVE, SW, ENCOMPASS GATEWAY FOR DFSI
VN .....	NG-SH2Y .....	2,500.00 .....	LICENSE, DFSI TALKPATH
S .....	14031-0004-13.....	975.00 .....	LICENSE, WINDOWS SERVER 2016, STANDARD

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## VIDA® TRANSCODER

Band: N/A

Product Code: NM



### Standard Features:

- Mixed-mode systems support using the OpenSky®, P25 Phase 1 or P25 Phase 2 vocoders, or the ADPCM CODEC
- Supports transcription between P25 and OpenSky modes
- Multiple Agency support on a single transcoder
- Configuration via the Device Manager
- Supports Group, Instantaneous, and Patch/SS calls

### Optional Features:

**Contact System Solution Engineering (SSE) for quotes and configurations on the VIDA Transcoder. The following is for information only.**

The VIDA Transcoder is a Harris application that allows multiple over-the-air interfaces to exist on a single VIDA communication system. Whether a system uses both P25 Phase 1 and Phase 2 or a combination of P25 and OpenSky®, the VIDA Transcoder changes vocoder types at the IP-level to allow for seamless communications between users. Enhanced Dual Data Mode (EDDM) operation which optimizes the P25 vocoder type used on a per-call, per-site basis is achieved through the capabilities of the VIDA Transcoder. Additionally, if the Harris system is connected to other RF-systems via the Inter-Subsystem Interface (ISSI), the VIDA Transcoder will allow connections to both P25 Phase 1 and Phase 2 foreign systems regardless of the mode of operation of the home Harris system.

The VIDA Transcoder is an application which comes standard as a virtual machine on all VIDA Application Servers (VAS). Redundant instances of the VIDA Transcoder are loaded onto the server to enhance redundancy.

E/C	Model No.	List Price \$	Description
LD.....	NM-SG9D .....	2,500.00 .....	LICENSE, TRANSCODER TALKPATH

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**VIDA® TELEPHONE INTERCONNECT (VTI)**

Band: N/A

Product Code: NW

**Standard Features:**

- Inbound and outbound selective (private) calling for OpenSky® and P25IP radio users
- Inbound group calls
- Supports up to 30 concurrent telephone interconnect calls
- Programmable toll-call restrictions
- Automatic line clearing
- Call Activity Reports
- International Ring Tones

**Optional Features:**

**VIDA Telephone Interconnect is a Virtual Machine application for the Premier Network Switching Center. Contact System Solution Engineering (SSE) for quotes and configurations on VIDA Telephone Interconnect. The following is for information only.**

VIDA Telephone Interconnect (VTI) provides Harris radio system users the capability to make and receive calls from a Public Switched Telephone Network (PSTN). Authorized radio users can call external numbers and receive calls from outside lines. Additionally, external users can make group-based in-bound calls. This can be useful when a supervisor is out of the radio coverage area but needs to communicate with a set of users.

The VTI is highly configurable to

- ensure only authorized users have access to the interconnect capability
- limit the numbers which can be dialed (e.g., long distance restrictions)
- limit the length of calls and the number of concurrent interconnect calls to minimize queuing of RF resources

E/C	Model No.	List Price \$	Description
<b>Premier and Unite Core</b>			
C	NW-VM2F	30,000.00	SOFTWARE, VTI
VN	VSCR20	6,298.08	ROUTER, 2911, VOICE SEC BNDL, UC/SEC LIC
VN	VSCR19	5,790.58	ROUTER, 2911, UC BNDL WITH UC, CME/SRST LIC
N	MANW-NSN7R	2,500.00	LICENSE, VTI TALKPATH
N	14002-0208-01	0.01	ASTERISK LICENSE TYPE, A10 Supports a maximum of 1 to 10 simultaneous calls
N	14002-0208-02	0.01	ASTERISK LICENSE TYPE, A20 Supports a maximum of 11 to 20 simultaneous calls
N	14002-0208-03	0.01	ASTERISK LICENSE TYPE, A40 Supports a maximum of 21 to 40 simultaneous calls
C	MANW-NCU4R	626.00	MODULE, 2-PORT FXO VOICE INTERFACE CARD

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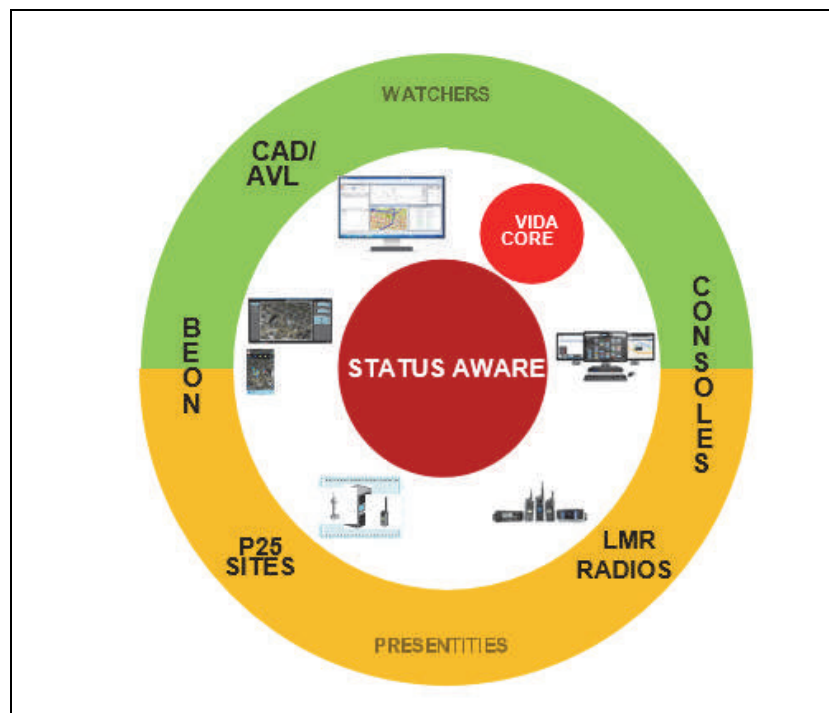
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## STATUSAWARE FOR LOCATION SERVICES

Band: N/A

Product Code: NM



### Standard Equipment:

- StatusAware software VM Image
- License for 100 devices

### Standard Features:

- GPS updates with time stamp
- Caller ID
- Caller Alias
- Group ID
- Support for In-Band GPS
- Support for Tier 2 GPS

### Optional Features:

- Licenses for additional devices up to for 32,000

**Contact System Solution Engineering (SSE) for quotes and configurations for the StatusAware application. The following is for information only.**

### STATUSAWARE

Harris' StatusAware is a centralized application hosted on the VIDA® Core server. StatusAware collects GPS location and Presence information from communication devices called "presentities", stores it into a central database, and provides the updates to subscribed applications called "watchers". Previously, CAD/AVL vendors were responsible for providing the Location Service Host System (LSHS) function that contacted each radio, initiated location updates, received the updates and then forwarded them to an integrated mapping function. The StatusAware application provides the LSHS function, eliminating the need to develop and maintain an interface to each radio type in the VIDA system. It provides a single-entry point through which external systems such as CAD servers may be kept apprised of the status and location of VIDA group members.

- StatusAware can be added to any VIDA Core at System Release SR10A.2 or later. The software and licenses required are shown on the following page.
- Harris radios must be configured separately with either Tier 2 GPS or In-Band GPS enabled.
- If the VIDA System is not already enabled for Data operations (required for Tier 2 GPS):
  - The Home Agent Router shown on the following page must be ordered.
  - The appropriate RF Site Data equipment and licenses must be ordered. This should be reviewed with Harris System Solution Engineering.

**STATUSAWARE FOR LOCATION SERVICES**

Band: N/A

Product Code: NM

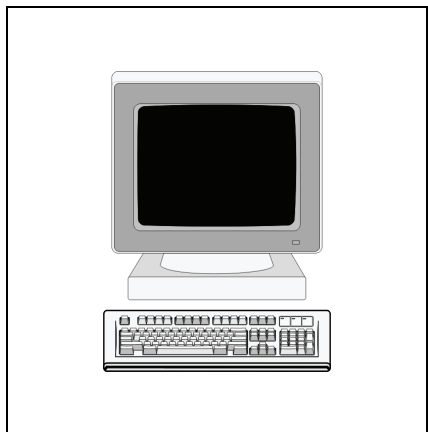
E/C	Model No.	List Price \$	Description
<b>Order one copy of the StatusAware software and the appropriate number of StatusAware device licenses. The first 100 device licenses are included at no charge.</b>			
C.....	NM-VM2X-HD .....	35,000.00 .....	HARD DRIVE, STATUSAWARE VM SW, 100 DEVICES
VN .....	NM-SH5N.....	40.00 .....	LICENSE, STATUSAWARE, 101-500 DEVICES
VN .....	NM-SH5P .....	35.00 .....	LICENSE, STATUSAWARE, 501-1000 DEVICES
VN .....	NM-SH5R.....	30.00 .....	LICENSE, STATUSAWARE, 1001-5000 DEVICES
VN .....	NM-SH5T .....	25.00 .....	LICENSE, STATUSAWARE, 5001-10000 DEVICES
VN .....	NM-SH5U.....	20.00 .....	LICENSE, STATUSAWARE, 10000+ DEVICES
VN .....	VS-CR1E .....	1,735.00 .....	ROUTER, C881-K9, ADV IP SVC

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

## EDACS<sup>®</sup> MIGRATION GATEWAY

Band: N/A

Product Code: MS



### Standard Equipment:

- IMC cards supporting up to 4 full-duplex talkpaths (support up to 24 talkpaths available)
- EDACS Migration Gateway Computer
- Networking equipment including router, switch, router modules, and cabling

### Standard Features:

- Up to 24 full duplex talkpaths
- Group Calls between EDACS<sup>®</sup> and OpenSky<sup>®</sup> or P25<sup>IP</sup> talkgroups
- Individual/Selective calls between EDACS and OpenSky or P25<sup>IP</sup> radios
- Patch and Simulselect between EDACS and OpenSky or P25<sup>IP</sup> talkgroups
- Console Pre-emption
- Caller IDs passed between EDACS and P25<sup>IP</sup> systems

**All EDACS Migration Gateway orders must be placed through the Product Configurator. The following is for information only.**

### EDACS Migration Gateway

The EDACS Migration Gateway (EMG) provides internetworking between an Enhanced Digital Access Communications System (EDACS) network and an OpenSky, NetworkFirst<sup>®</sup>, or P25<sup>IP</sup> network. The EMG is useful in many scenarios, including the migration of existing EDACS customers to the spectrally efficient OpenSky trunked radio solution. The EDACS Migration Gateway also allows the Symphony<sup>™</sup> Console to be used for dispatching on an OpenSky, NetworkFirst, or P25<sup>IP</sup> system. The EDACS Migration Gateway requires the VIDA SR10A System Release software and IMC R9 software.

The EMG is part of an EDACS migration solution that includes Harris unique multi-mode radios. Only Harris can provide the call functionality required for a seamless upgrade and the flexibility to migrate over a period of time as customer budgets allow.

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## P25<sup>IP</sup> NETWORK KEY MANAGEMENT FACILITY (KMF)

Band: N/A

Product Code: NM



### Standard Equipment:

### Standard Features:

- VIDA® Application Server (VAS) 2008 R2
- Supports OTAR to subscriber units
- Network-based rekeying for infrastructure equipment
- Up to 61K AES traffic keys

**All KMF orders must be placed through the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
<b>KMF Network Server</b>			
C .....	NM-VM2A-HD .....	78,000.00 .....	HARD DRIVE, KMF VMWARE SW Can be added to an SR10A VIDA Premier system when purchased with associated Agency licenses
LD.....	NM-SG8J.....	40,000.00 .....	LICENSE, ADD AGENCY 2-5, NETWORK KMF
N .....	NM-VM3C .....	25,000.00 .....	SOFTWARE, SKE VM

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## PROVOICE™, EDACS®, AND P25<sup>IP</sup> KEY MANAGER

Band: N/A

Product Code: CDR



### Standard Equipment:

- User Software for loading keys (unlimited copies)
- Administration Software
- ProVoice™ and EDACS® DES, P25<sup>IP</sup> DES, and P25<sup>IP</sup> AES
- USB Flash Drive

### Standard Features:

- Two Levels of Authentication
- Loads encryption keys for the following radios:
  - XL-200P
  - XL-185P
  - XL-150P
  - Unity® XG-100P
  - XG-75P
  - XG-25P
  - XG-15P
  - P7300
  - P7200
  - P7100<sup>IP</sup>
  - P5500
  - P5400
  - P5300
  - XL-200M
  - XL-185M
  - Unity XG-100M
  - XG-75M/M7300
  - XG-25M
  - M7200
  - M7100<sup>IP</sup>
  - M5300

**Note:** PC-based Key Manager software is not used with 800 MHz P7100<sup>IP</sup> models RU101219V31, V32, V33

E/C	Model No.	List Price \$	Description
S.....	TQS3416.....	2,125.00	SOFTWARE, KEY MANAGER ADMINISTRATION
S.....	A30-0958-002.....	150.00	USB FLASH DRIVE 4GB ENCRYPTED

### Options

S.....	TQ3415.....	280.00	CABLE, KEY MANAGER, P7100 <sup>IP</sup> PORTABLES
S.....	TQ3410.....	80.00	CABLE, KEY MANAGER, M7100 <sup>IP</sup> MOBILE, INSTALLED
S.....	TQ3409.....	130.00	CABLE, KEY MANAGER, M7100 <sup>IP</sup> MOBILE, UNINSTALLED

**NOTE:** All radios except the P7100<sup>IP</sup> and M7100<sup>IP</sup> use the standard Radio Personality Programming cables found in section 6.

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## OPENSKY®, NETWORKFIRST®, EDACS<sup>IP</sup>, AND P25<sup>IP</sup> SYMPHONY™ DISPATCH CONSOLE

Band: N/A

Product Code: UD



### Typical Configuration:

- Single-piece, solid-state, purpose-built hardware platform
- 10 years MTBF
- Silent operation
- 23-inch HD Color Monitor
- 2-Button Mouse
- Desktop Microphone
- Single Footswitch
- Up to 8 Speakers
- Operator's and Supervisor's Headset
- Mounts on a desk, under a desk, or in a 19-inch rack

### Licensed Features & Capabilities:

- 1,000 Modules
- 16 Active Patches
- 32 Predefined Simulselects
- 14-character Alias
- 24-hour Instant Recall Recorder
- Unit and Group Emergency
- Group/Individual Calls
- Alert Tones
- Analog Conventional Paging
- Analog Conventional Base Station Control
- 16 Tabs or Folders
- 16 Password-protected user setups

The Symphony Dispatch Console is Harris' latest offering in IP dispatch technology based on the Microsoft® Windows® operating system. Featuring immediate accessibility to critical information in dedicated on-screen modules, it represents the dispatcher's best weapon in the fight against time in dynamic scenarios. Built upon a ruggedized, long life, hardware platform, it is simple, organized, and efficient. The screen layout is easy to learn and operate, thereby maximizing productivity while minimizing training time.

**All Symphony Dispatch Console orders must be placed through the Product Configurator. The following is for information only. If configuring a Symphony console for a new system, the NSS console interface license and Talk Path Licenses (NS-SG2C) are automatically included under Network Switching Center in the Product Configurator. If configuring a Symphony console for an existing system, include NSS console interface license and console talk path licenses (NS-SG2C).**

E/C	Model No.	List Price \$	Description
<b>Feature Bundles</b>			
<b>Windows 10 (WIN10) Feature Bundles are required for SR10A.3 (and later) VIDA® networks.</b>			
<b>All bundles listed below contain the Symphony Dispatch Platform and software features listed. No accessories are included in the feature bundles, and all accessories must be ordered separately.</b>			
C .....	UD-ZM1D .....	52,000.00...	CONSOLE, BUNDLE, ENTERPRISE, WIN10 Includes the Symphony Dispatch Platform hardware, local Symphony full screen and remote Baton operation, 16 patch activations, 32 patch definitions, 32 Simulselect definitions, I-Calls, 8-speaker license, 16 user setups, 16 workspace tabs, and Call Director. Bundle includes Microsoft Windows 10 Enterprise LTSP operating system for Symphony Dispatch Platform
C .....	UD-ZM1E.....	40,000.00...	CONSOLE, BUNDLE, PREMIER, WIN10 Includes the Symphony Dispatch Platform hardware, local Symphony full screen and remote Baton operation, 8 patch activations, 16 patch definitions, 16 Simulselect definitions, I-Calls, 4-speaker license, 4 user setups, 16 workspace tabs, and Call Director. Bundle includes Microsoft Windows 10 Enterprise LTSP operating system for Symphony Dispatch Platform
C .....	UD-ZM1F .....	20,000.00...	CONSOLE, BUNDLE, FOUNDATION, WIN10 Includes the Symphony Dispatch Platform hardware, local Symphony full screen operation, 1 patch activation, 2 patch definitions, 1 Simulselect definition, 2-speaker license, 1 user setup, and 4 workspace tabs. Bundle includes Microsoft Windows 10 Enterprise LTSP operating system for Symphony Dispatch Platform

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**Latest Products and Pricing on the Web**  
<https://premier.pspc.harris.com/infocenter/>



## OPENSKY®, NETWORKFIRST®, EDACS<sup>IP</sup>, AND P25<sup>IP</sup> SYMPHONY™ DISPATCH CONSOLE

Band: N/A

Product Code: UD

E/C	Model No.	List Price \$	Description
C.....	UD-ZM1G .....	30,000.00...	CONSOLE, BUNDLE, MIP FEATURES, WIN10 Includes the Symphony Dispatch Platform hardware, local Symphony full screen operation, 6 patch activations, 10 patch definitions, 4 Simulselect definitions, I-Calls, 4-speaker license, 10 user setups, 16 workspace tabs, and Call Director. Bundle includes Microsoft Windows 10 Enterprise LTSC operating system for Symphony Dispatch Platform
<b>C3 Maestro<sup>IP</sup></b>			
C.....	UD-ZN2B .....	37,000.00.....	CONSOLE, MIP, BUNDLE, SYMPHONY HDWR ENCRYPT Includes encrypted MaestroIP software on the Symphony Dispatch Platform
C.....	UD-ZN4V .....	31,000.00.....	CONSOLE, MIP, BUNDLE, SYMPHONY HDWR NON-ENCRYPT Includes unencrypted MaestroIP software on the Symphony Dispatch Platform
<b>Software Options for Symphony</b>			
N .....	UD-SH9F .....	19,500.00.....	LICENSE KIT, MIP TO SYMPHONY SW UPGRADE Includes local Symphony full screen operation, 6 patch activations, 10 patch definitions, 4 Simulselect definitions, I-Calls, 4-speaker license, 10 user setups, 16 workspace tabs, and Call Director. Bundle includes Microsoft Windows 10 Enterprise LTSC operating system for Symphony Dispatch Platform
N .....	UD-SG2X .....	8,500.00.....	LICENSE, LOCAL FULL SCREEN AND BATON License is for the locally run full screen and baton user interfaces. Required as a minimum for every installation and included in each bundle
N .....	UD-SH3B .....	8,500.00.....	LICENSE, REMOTE BATON License is to allow the baton to run on a remote machine. Requires Software UD-SG1F
N .....	UD-SG1F .....	110.00.....	SOFTWARE, REMOTE BATON Requires License UD-SH3B
N .....	UD-SG4W .....	8,500.00.....	LICENSE, AES AND DES LEVEL ENCRYPTION License is for the activation of AES and DES Encryption, OTAR or Manual key loading
N .....	UD-SH4V .....	6,500.00.....	LICENSE, BASE SIP, 4 EXTENSIONS, 8 CALLS License allows the Symphony console to connect up to 4 telephone extensions and process up to 8 simultaneous calls when connected to a Cisco® Unified Call Manager or Cisco Unified Call Manager Express

## OPENSKY<sup>®</sup>, NETWORKFIRST<sup>®</sup>, EDACS<sup>IP</sup>, AND P25<sup>IP</sup> SYMPHONY<sup>™</sup> DISPATCH CONSOLE

Band: N/A

Product Code: UD

E/C	Model No.	List Price \$	Description
<b>Software Options for Symphony (Cont'd)</b>			
N .....	UD-SG4X .....	4,500.00 .....	LICENSE, DES LEVEL ENCRYPTION OTAR only. Manual key loading is not currently supported.
N .....	UD-SG4S .....	4,500.00 .....	LICENSE, CALL DIRECTOR License is for the activation of the Call Director feature
N .....	UD-SH7X .....	0.01 .....	LICENSE, EMBEDDED WEB BROWSER License is for the activation of web browser capability
N .....	UD-SG2U .....	2,500.00 .....	LICENSE, INDIVIDUAL CALLS License is for the activation of the I-Call feature
N .....	UD-SH4U .....	2,500.00 .....	LICENSE, RADIO UNIT MONITOR License allows monitoring of RUM-enabled P25 subscriber units. Requires SR10A.3 or later VIDA network
N .....	UD-SH4W .....	1,500.00 .....	LICENSE, SIP, ADD 4 EXTENSIONS, 8 CALLS License provides capacity for 4 additional extensions and 8 additional calls. Requires License UD-SH4V
N .....	UD-SH5B .....	2,000.00 .....	LICENSE, BASE SIP, ADD TO ENT/PREM BUNDLE License adds option UD-SH4V to Symphony Enterprise and Premier Console Bundles. Requires UD-ZM1D, UD-ZM1E, UD-ZN2A, or UD-ZN4Z
N .....	UD-SG4T .....	1,250.00 .....	LICENSE, CONVENTIONAL CONTROLS License is for the activation of Basic Conventional
N .....	UD-SH4R .....	750.00 .....	LICENSE, DISCREET LISTENING License allows Discreet Listening of P25 individual calls
N .....	UD-SG4U .....	750.00 .....	LICENSE, PAGING CAPABILITY License is for the activation of paging features
N .....	UD-SG4Y .....	750.00 .....	LICENSE, REMOTE AUX I/O License is for activation of Remote Auxiliary Input/Output with the Network Sentry
N .....	UD-SG2V .....	700.00 .....	LICENSE, ADDS 2 PATCH DEF AND 1 PATCH ACT License is for adding capability to patch. Each license includes 1 patch and 2 definitions. Symphony supports 16 patches and 32 patch definitions
N .....	UD-SG2W .....	700.00 .....	LICENSE, ADDS 2 SMLST DEF License is for adding capability to simulselect. Each license includes 2 simulselect definitions. Symphony supports 32 simulselect definitions
N .....	UD-SG4P .....	500.00 .....	LICENSE, ADDS 2 USER SET-UPS/SCREENS License is for 2 user-defined screens. Symphony supports up to 16 user-defined screens
N .....	UD-SH8K .....	500.00 .....	LICENSE, DYNAMIC CROSS-MUTE
N .....	UD-SH2L .....	450.00 .....	LICENSE, MARKER TONE Operates on OpenSky and Analog Conventional only
N .....	UD-SH2N .....	450.00 .....	LICENSE, CALL ALERT, SEND ONLY
N .....	UD-SG4Q .....	400.00 .....	LICENSE, ADDS 4 WORKSPACE TABS License is for 4 workspace tabs. Each console supports up to 16 workspace tabs
N .....	NS-SG2C .....	250.00 .....	LICENSE, CONSOLE TALKPATH
N .....	UD-SH8R .....	250.00 .....	LICENSE, ADVANCED PAGING
N .....	UD-SG2Z .....	200.00 .....	LICENSE, 2 SPEAKERS License is for 2 speaker activations. Symphony supports up to 8 speakers (speakers are not included in this option)

## OPENSKY<sup>®</sup>, NETWORKFIRST<sup>®</sup>, EDACS<sup>IP</sup>, AND P25<sup>IP</sup> SYMPHONY<sup>™</sup> DISPATCH CONSOLE

Band: N/A

Product Code: UD

E/C	Model No.	List Price \$	Description
<b>Monitors</b>			
<b>Symphony and V<sup>IP</sup></b>			
VN	UD-CU6U	1,020.00	MONITOR, 23IN CLASS, HIGH DEF
VN	UD-CU6V	1,550.00	MONITOR, 27IN CLASS, HIGH DEF
VN	UD-CU8R	2,150.00	MONITOR, 22IN CLASS, TOUCHSCREEN, HD
VN	UD-CU8T	2,850.00	MONITOR, 24IN CLASS, TOUCHSCREEN, HD
VN	UD-CU8U	3,150.00	MONITOR, 27IN CLASS, TOUCHSCREEN, HD
VN	UD-CU8X	975.00	MONITOR, 22IN CLASS, NON-TOUCHSCREEN, HD
<b>Uninterruptible Power Supplies (UPS)</b>			
S	2C-CM22218-0604	3,020.00	POWER SUPPLY, EXT UPS, 60 HZ (120/230 VAC)
S	2C-CM22218-0605	2,266.00	POWER SUPPLY, EXT UPS, 50 HZ (120/230 VAC)
V	2C-CM22218-0606	535.00	KIT, POWERCORD, INTERNATIONAL
S	2C-CM22218-0607	35.00	CABLE, POWER, 230V
<b>Accessories</b>			
N	CM-022218-3006WJ	550.00	ADAPTER, 6 WIRE JACKBOX TO HEADSET
VN	UD-AB1B	450.00	JACK BOX, 6 WIRE
VN	UD-AB1D	255.00	SINGLE FOOTSWITCH, USB, SYMPHONY
VN	UD-AB1E	495.00	DUAL FOOTSWITCH, USB, SYMPHONY
VN	UD-AB1M	245.00	DESK MIC, DB9
VN	UD-AB1A	295.00	SPEAKER, NANO, SYMPHONY
S	14017-0100-12	15.00	CABLE, SPKR, SYMPH, 1/4" – 1/4" TRS, 10'
VN	UD-AB2H	650.00	KEYBOARD, 24 KEY, USB, X-KEYS
VN	UD-AB1G	185.00	KEYBOARD, 104 KEY, USB
VN	UD-AB1J	35.00	CABLE, DISPLAYPORT TO DVI-D, 3 FT
VN	UD-AB1K	40.00	CABLE, DISPLAYPORT TO DVI-D, 10 FT
VN	UD-AB1L	45.00	CABLE, DISPLAYPORT TO DVI-D, 15 FT
VN	UD-AB1N	26.00	CABLE, DISPLAYPORT TO DISPLAYPORT, 3 FT
VN	UD-AB1P	32.00	CABLE, DISPLAYPORT TO DISPLAYPORT, 10 FT
VN	UD-AB1R	36.00	CABLE, DISPLAYPORT TO DISPLAYPORT, 15 FT
VN	UD-AB1S	35.00	CABLE, DISPLAYPORT TO HDMI, 3 FT
VN	UD-AB1T	40.00	CABLE, DISPLAYPORT TO HDMI, 10 FT
VN	UD-AB1U	46.00	CABLE, DISPLAYPORT TO HDMI, 15 FT
VN	UD-AB1V	22.00	CABLE, MONITOR, DVID TO DVID 6 FT
VN	UD-AB1W	30.00	CABLE, MONITOR, DVID TO DVID 10 FT
VN	UD-AB1X	39.00	CABLE, MONITOR, DVID TO DVID 16 FT
VN	UD-AB1F	15.00	MOUSE, OPTICAL, USB, SCROLL WHEEL
S	CM-022218-000304	995.00	ADAPTER, WIRELESS HEADSET
S	2C-CM22218-0305	280.00	HEADSET, OVER-THE HEAD SOLID BOOM
S	2C-CM22218-0300	280.00	HEADSET, EAR BUD STYLE
S	2C-CM22218-0608	77.00	MOUSE, TRACKBALL, 3 BUTTON

## **OPENSKY<sup>®</sup>, NETWORKFIRST<sup>®</sup>, EDACS<sup>IP</sup>, AND P25<sup>IP</sup> SYMPHONY<sup>™</sup> DISPATCH CONSOLE**

Band: N/A

Product Code: UD

E/C	Model No.	List Price \$	Description
<b>Warranty</b>			
VN .....	UD-Y1EWS .....	2,500.00 .....	WARRANTY, EXTENDED 1 YR, SYMPHONY WRKSTN
VN .....	UD-Y2EWS .....	3,750.00 .....	WARRANTY, EXTENDED 2 YR, SYMPHONY WRKSTN
VN .....	UD-Y3EWS .....	5,250.00 .....	WARRANTY, EXTENDED 3 YR, SYMPHONY WRKSTN
VN .....	UD-Y4EWS .....	6,500.00 .....	WARRANTY, EXTENDED 4 YR, SYMPHONY WRKSTN
<b>Replacement Hardware</b>			
VM .....	UD-DF3J .....	10,000.00 .....	CONSOLE SYMPHONY DISPATCH PLATFORM 2.0
VN .....	UD-DF3K .....	1,195.00 .....	KIT, HARD DRIVE, 240GB SSD, SDP 2.0
<b>Manuals</b>			
V .....	MM100UD .....	25.00 .....	MANUAL, OP/INSTA/CONFIG, SYMPHONY, CD
V .....	MM200UD .....	25.00 .....	MANUAL, OP/INSTA/CONFIG, MIP, W/SYMPHONY, CD

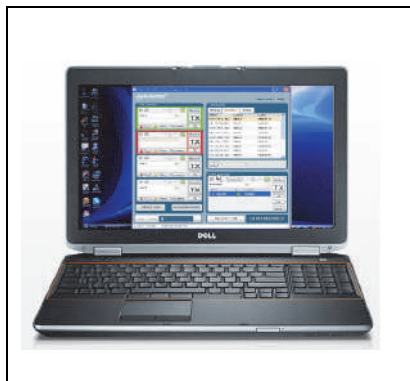
**PRODUCT PERFORMANCE NOTE: THE PERFORMANCE OF ANY HARRIS CONSOLE (SYMPHONY DISPATCH CONSOLE) WITH ANY THIRD-PARTY HARDWARE (INCLUDING COMPUTERS) OTHER THAN HARRIS RECOMMENDED OR APPROVED HARDWARE IS NOT GUARANTEED BY HARRIS CORPORATION NOR WILL HARRIS CORPORATION OFFER ANY SOFTWARE OR OTHER CORRECTIONS TO IMPROVE THE PERFORMANCE OF THE HARRIS CONSOLE WITH SUCH THIRD-PARTY HARDWARE.**

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## OPENSKY®, NETWORKFIRST®, EDACS<sup>IP</sup>, AND P25<sup>IP</sup> V<sup>IP</sup> DISPATCH CONSOLE

Band: N/A

Product Code: UC



### Recommended Configuration:

- Windows®-based Computer With Internal DVD+RW Drive
- 20-inch Color Monitor
- 2-Button Mouse
- Desktop Microphone
- Single Footswitch
- 2 Speakers

### Standard Features:

- 4 Modules
- Alphanumeric ID of Caller
- Emergency With Alarm Tone
- Group/Individual Calls
- Patch/Simulselect
- Integrated Call Playback
- Call History

**All V<sup>IP</sup> Dispatch Console orders must be placed through the Product Configurator. The following is for information only. If configuring a V<sup>IP</sup> console for a new system, the NSS console licenses are automatically included under Network Switching Center in the Product Configurator.**

E/C	Model No.	List Price \$	Description
S.....	CM-022218-000600W7.....	7,250.00	LAPTOP, V <sup>IP</sup> UNA DISPATCH Windows® 7 Ultimate
N.....	2C-CM22218-0103.....	11,500.00	KIT, V <sup>IP</sup> CONSOLE Includes V <sup>IP</sup> Console application software and PC accessories for a user-supplied PC. PC must meet minimum system requirements as stated in the application Software Release Notes
S.....	CM-022218-AES103.....	12,500.00	KIT, V <sup>IP</sup> CONSOLE WITH AES
LD.....	NS-SG2B.....	1,000.00	LICENSE, CONSOLE
LD.....	NS-SG2C.....	250.00	LICENSE, CONSOLE TALKPATH
S.....	2C-CM22218-0600.....	255.00	FOOTSWITCH, SINGLE
S.....	MC-014121-003.....	245.00	MICROPHONE, DESKTOP, DB9

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## OPENSKY<sup>®</sup>, NETWORKFIRST<sup>®</sup>, EDACS<sup>IP</sup>, AND P25<sup>IP</sup> V<sup>IP</sup> DISPATCH CONSOLE

Band: N/A

Product Code: UC

E/C	Model No.	List Price \$	Description
<b>Monitors</b>			
VN .....	UD-CU6U .....	1,020.00 .....	MONITOR, 23IN CLASS, HIGH DEF
VN .....	UD-CU6V .....	1,550.00 .....	MONITOR, 27IN CLASS, HIGH DEF
VN .....	UD-CU8R .....	2,150.00 .....	MONITOR, 22IN CLASS, TOUCHSCREEN, HD
VN .....	UD-CU8T .....	2,850.00 .....	MONITOR, 24IN CLASS, TOUCHSCREEN, HD
VN .....	UD-CU8U .....	3,150.00 .....	MONITOR, 27IN CLASS, TOUCHSCREEN, HD
VN .....	UD-CU8X .....	975.00 .....	MONITOR, 22IN CLASS, NON-TOUCHSCREEN, HD
<b>Uninterruptible Power Supplies (UPS)</b>			
S .....	2C-CM22218-0604 .....	3,020.00 .....	POWER SUPPLY, EXTERNAL UNINTERRUPTIBLE POWER SUPPLY, 60 HZ (120/230 VAC)
S .....	2C-CM22218-0605 .....	2,266.00 .....	POWER SUPPLY, EXTERNAL UNINTERRUPTIBLE POWER SUPPLY, 50 HZ (120/230 VAC)
V .....	2C-CM22218-0606 .....	535.00 .....	KIT, POWERCORD, INTERNATIONAL
S .....	2C-CM22218-0607 .....	35.00 .....	CABLE, POWER, 230V
<b>Accessories</b>			
N .....	CM-022218-3006WJ .....	550.00 .....	ADAPTER, 6 WIRE JACKBOX TO HEADSET
S .....	CM-022218-300USB .....	355.00 .....	ADAPTER, USB TO H-SERIES HEADSET Connects Platonics headset to CPU
S .....	CA-103335-001 .....	495.00 .....	CABLE, MIC/FOOTSWITCH TO CPU
S .....	CM-022218-000706 .....	18.00 .....	CABLE, V <sup>IP</sup> ONBOARD SPEAKER "Y"
S .....	CM-022218-000504 .....	470.00 .....	MODULE, C3IO USB I/O Interface Box
VN .....	UD-AB1B .....	450.00 .....	JACK BOX, 6 WIRE
S .....	MC-014121-003 .....	245.00 .....	MICROPHONE, DESKTOP, DB9
S .....	2C-CM22218-0600 .....	255.00 .....	FOOTSWITCH, SINGLE
S .....	2C-CM22218-0305 .....	280.00 .....	HEADSET, OVER-THE-HEAD SOLID BOOM
S .....	2C-CM22218-0300 .....	280.00 .....	HEADSET, EAR BUD STYLE
S .....	2C-CM22218-0608 .....	77.00 .....	MOUSE, TRACKBALL, 3 BUTTON
<b>Manuals</b>			
V .....	MAMM-100UC .....	65.00 .....	MANUAL, OPERATOR/INSTALLATION, V <sup>IP</sup> CONSOLE
V .....	MM100UC-CD .....	25.00 .....	MANUAL, PRODUCT, V <sup>IP</sup> DISPATCH, CD

**PRODUCT PERFORMANCE NOTE: THE PERFORMANCE OF ANY HARRIS CONSOLE (V<sup>IP</sup> DISPATCH CONSOLE) WITH ANY THIRD-PARTY HARDWARE (INCLUDING COMPUTERS) OTHER THAN HARRIS RECOMMENDED OR APPROVED HARDWARE IS NOT GUARANTEED BY HARRIS CORPORATION NOR WILL HARRIS CORPORATION OFFER ANY SOFTWARE OR OTHER CORRECTIONS TO IMPROVE THE PERFORMANCE OF THE HARRIS CONSOLE WITH SUCH THIRD-PARTY HARDWARE.**



## CRESCENDO PORTABLE COMMUNICATIONS SYSTEM

Band: N/A

Product Code: UE



### Recommended Configuration:

The Crescendo C-OTM portable communications package includes:

- Qty (1) Heavy-duty weatherproof "flyaway" case with integrated SwitchPlusIP® CSU/RIU hardware and AC/DC power supply
- Qty (1) Touchscreen PC with Windows® 7 Professional operating system
- Qty (1) C4i SwitchPlusIP Console software application (fully featured) with 1 operator license
- Qty (2) Cellular transceivers
- Qty (1) Binaural Headset with USB adapter
- Qty (1) Combined Speaker and Microphone
- Qty (1) Spares Kit
- Qty (1) US/CAN Cable Set

### Standard Features:

Crescendo provides an integrated wireless dispatch and telephone solution in a single, transportable unit. The Crescendo C-OTM unit includes:

- Windows touchscreen computer with pre-installed SwitchPlusIP dispatch application
- Integrated Radio Interface Unit for connectivity for up four radios (radios and cables ordered separately)
- Internal SIP PBX with connectivity to up to 4 SIP telephones
- Four FXS/FXO connections for analog phone lines
- Two internal cellular telephones
- Ethernet (IP) data port

**All Crescendo Dispatch Console orders must be placed through the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
VC .....	UE-CRESC.....	77,985.00	CRESCENDO C-OTM PORTABLE COMM SYSTEM
<b>Warranty</b>			
V .....	14047-1000-99 .....	18,480.00	WARRANTY, TWO YEAR EXTENDED
<b>Spares</b>			
V .....	14047-1000-10 .....	33,850.00	C-OTM UNIT (HARDWARE ONLY)
V .....	14047-1000-20 .....	10,470.00	C-OTM TOUCHSCREEN PC
V .....	14047-1000-30 .....	28,550.00	LICENSE, SW, C-OTM, SINGLE USER
V .....	14047-1000-40 .....	420.00	HEADSET, BINAURAL, W/USB ADAPTER
V .....	14047-1000-50 .....	330.00	C-OTM COMBINED SPEAKER AND MICROPHONE
V .....	14047-1000-60 .....	60.00	C-OTM SPARES KIT, FUSES AND RJ45 ADAPTER
V .....	14047-1000-70 .....	8,000.00	CABLE KIT, COMPLETE, NORTH AMERICAN A/C
V .....	14047-1000-71 .....	52.00	CABLE, CELLULAR WITH 2 DBI ANTENNA
V .....	14047-1000-72 .....	590.00	CABLE, CRESCENDO TO RADIO I/F HD26-F
V .....	14047-1000-73 .....	310.00	CABLE, RADIO, HD26 TO UNTERMINATED
V .....	14047-1000-74 .....	470.00	CABLE, DC POWER, C-OTM UNIT SUPPLY
V .....	14047-1000-75 .....	390.00	CABLE, DC POWER, PC SUPPLY

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

## CRESCENDO PORTABLE COMMUNICATIONS SYSTEM

Band: N/A

Product Code: UE

### Spares (Cont'd)

E/C	Model No.	List Price \$	Description
V .....	14047-1000-76.....	780.00.....	CABLE, WAN, MIL ROUND TO RJ45
V .....	14047-1000-77.....	810.00.....	CABLE, LAN, MIL ROUND TO DUAL RJ45
V .....	14047-1000-78.....	600.00.....	CABLE, AC, NORTH AMER 3-PRONG PLUG
V .....	14047-1000-79.....	1,150.00.....	CABLE, PHONE, QUAD FXO RJ11

### Radio Accessory Cables

V .....	14047-1000-80.....	300.00.....	CABLE, RIU, HD26M TO XG-100M, -75M, -25M Connects with 14047-1000-72; provides DB-25M for connection to 14002-0174-01 Cable, Options, for the XG-100M, XG-75M, XG-25M, M7300, and M5300
V .....	14047-1000-81.....	300.00.....	CABLE, RIU HD25-M TO XG-75P, -25P, -15P Connects with 14047-1000-72; provides UDC connector to XG-75P, XG-25P, and XG-15P
V .....	14047-1000-82.....	300.00.....	CABLE, RIU HD26-M TO XL-200P, XG-100P Connects with 14047-1000-72; provides UDC connector to XL-200P and XG-100P
V .....	14047-1000-83.....	300.00.....	CABLE, RIU HD26-M TO TM8000, 9300, 9400 Connects with 14047-1000-72; provides portable accessory connector to TP9100
V .....	14047-1000-84.....	300.00.....	CABLE, RIU HD26-M TO TP9100 Connects with 14047-1000-72; provides DB15-M accessory connector to TM8000, TM9100, TM9300, and TM9400
V .....	14047-1000-85.....	300.00.....	CABLE, RIU HD26-M TO TP8100, 9300, 9400 Connects with 14047-1000-72; provides portable accessory connector to TP8000, TM9100, TM9300, and TM9400

**PRODUCT PERFORMANCE NOTE: THE PERFORMANCE OF ANY HARRIS CONSOLE (CRESCENDO CONSOLE) WITH ANY THIRD-PARTY HARDWARE (INCLUDING COMPUTERS) OTHER THAN HARRIS RECOMMENDED OR APPROVED HARDWARE IS NOT GUARANTEED BY HARRIS CORPORATION NOR WILL HARRIS CORPORATION OFFER ANY SOFTWARE OR OTHER CORRECTIONS TO IMPROVE THE PERFORMANCE OF THE HARRIS CONSOLE WITH SUCH THIRD-PARTY HARDWARE.**

## SITUATIONAL AWARENESS MAPPING

Band: N/A

Product Code: LE



**Situational Awareness Mapping**

**Contact System Solution Engineering (SSE) for quotes and configurations for Situational Awareness Mapping. The following is for information only.**

### SITUATIONAL AWARENESS MAPPING

Situational Awareness Mapping provides real-time interactive data visualization for a tailored situational awareness view in command centers. This platform integrates multiple data sources to create a common operational picture for dispatchers or command center personnel which can lead to much faster and more efficient responses to incidents. The solution tracks geolocation and presence information of first responders in real time overlaid with additional data such as weather, video feeds, public safety locations, transportation data, live traffic flow, traffic cameras, traffic incidents, and gunshot detection systems. A user can view the platform on a stand-alone monitor via a web browser or by using the Live Earth® Pro application. This is a software-as-a-service (SaaS) solution. Customers can purchase their own commercial-off-the-shelf client workstations or procure them through L3Harris.

### Highlights of available features

- Geofencing
- Tracks (or breadcrumb trails)
- Real-time Alerts and Incident Management
- Incident synchronization and playback
- Filtering (by Talkgroup, Agency, etc.)
- Charting
- Connection of multiple camera systems into a wall for viewing
- Creation of pre-planned routes

**SITUATIONAL AWARENESS MAPPING**

Band: N/A

Product Code: LE

E/C	Model No.	List Price \$	Description
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**Contact System Solution Engineering (SSE) for quotes and configurations for Situational Awareness Mapping. The following is for information only.**

**STEP 1 – CONFIGURE A SITUATIONAL AWARENESS SERVER AS PART OF THE VIDA® CORE****Server options depending on type of VIDA customer installation**

N .....	LE-VM3K.....	35,000.00 .....	SERVER, SITUATIONAL AWARENESS, SW	
C.....	LE-VM3K-HD.....	35,000.00 .....	SERVER, SITUATIONAL AWARENESS, VM, FLD AD For fielded VIDA systems without an existing StatusAware server	
C.....	LE-VM3K-UG.....	10,000.00 .....	SERVER, SITUATIONAL AWARENESS, VM, UPGRD For fielded VIDA systems with an existing StatusAware server	

**STEP 2 – SELECT A MAP BASE PACKAGE****Map Base Package – Select package based on verifiable customer coverage square mile area**

Each Map Base Package includes:

- 7 base layers (weather, transportation, public safety, traffic, GIS, News, and Twitter)
- 2 standard layers (except in base package LE-SJ1A)
- StatusAware layer
- 10 to 20 administrator seats depending on package
- 90 days of playback for L3Harris StatusAware layer; 7 days for all other layers

N .....	LE-SJ1A .....	50,000.00 .....	MAP, BASE PKG 1, 1-100 SQ. MILES Includes 10 administrator seats	
N .....	LE-SJ1B.....	150,000.00 .....	MAP, BASE PKG 2, 101-1200 SQ. MILES Includes 10 administrator seats	
N .....	LE-SJ1C.....	300,000.00 .....	MAP, BASE PKG 3, 1201-5000 SQ. MILES Includes 20 administrator seats	
N .....	LE-SJ1D .....	500,000.00 .....	MAP, BASE PKG 4, 5001-10000 SQ. MILES Includes 20 administrator seats	
N .....	LE-SJ1E.....	600,000.00 .....	MAP, BASE PKG 5, 10000+ SQ. MILES Includes 20 administrator seats	
N .....	LE-SJ1F .....	0.01 .....	STD LAYER, TRAFFIC CAMERAS (4), INRIX Included in all Map Base Packages except LE-SJ1A	
N .....	LE-SJ1G .....	0.01 .....	STD LAYER, PLACEHOLDER Included in all Map Base Packages except LE-SJ1A	

**STEP 3 – SELECT OPTIONAL ADD-ON DATA LAYERS AS NEEDED****Standard Layers**

N .....	LE-SJ3P .....	9,000.00 .....	STD LAYER, TRAFFIC CAMERAS (4), PKG1 ONLY For LE-SJ1A only	
N .....	LE-SJ1H .....	9,000.00 .....	STD LAYER, VSOM VMS, CISCO	
N .....	LE-SJ1J.....	9,000.00 .....	STD LAYER, CODE BLUE	
N .....	LE-SJ1K .....	9,000.00 .....	STD LAYER, ELSAG LPR, LEONARDO	
N .....	LE-SJ1L.....	9,000.00 .....	STD LAYER, EXACQVISION VMS, TYCO	
N .....	LE-SJ1M.....	9,000.00 .....	STD LAYER, HERE	
N .....	LE-SJ1N .....	9,000.00 .....	STD LAYER, INFORM CAD, TRITECH	
N .....	LE-SJ1P .....	9,000.00 .....	STD LAYER, VMS, INTELLIGENT SECURITY SYS	
N .....	LE-SJ1R.....	9,000.00 .....	STD LAYER, LIGHTNING, EARTH NETWORKS	

**SITUATIONAL AWARENESS MAPPING**

Band: N/A

Product Code: LE

E/C	Model No.	List Price \$	Description
<b>Standard Layers (Cont'd)</b>			
N	LE-SJ1T	9,000.00	STD LAYER, CAD, MARK43
N	LE-SJ1U	9,000.00	STD LAYER, VMS, MILESTONE
N	LE-SJ1V	9,000.00	STD LAYER, FLEX CAD/AVL, MOTOROLA
N	LE-SJ1W	9,000.00	STD LAYER, PREMIER ONE CAD, MOTOROLA
N	LE-SJ1X	9,000.00	STD LAYER, RADIOS, MOTOROLA
N	LE-SJ1Y	9,000.00	STD LAYER, VMS, ON-NET SURVEILLANCE SYS
N	LE-SJ1Z	9,000.00	STD LAYER, PARKING, INRIX
N	LE-SJ2A	9,000.00	STD LAYER, LPR, PLATESMART
N	LE-SJ2B	9,000.00	STD LAYER, DOOR ACCESS CTRL, S2 SECURITY
N	LE-SJ2C	9,000.00	STD LAYER, SHOTSPOTTER
N	LE-SJ2D	9,000.00	STD LAYER, SIVEILLANCE VMS, SIEMENS
N	LE-SJ2E	9,000.00	STD LAYER, SOCRATA, TYLER TECHNOLOGIES
N	LE-SJ2F	9,000.00	STD LAYER, CAD, SUNGARD-SUPERION
N	LE-SJ2G	9,000.00	STD LAYER, CCURE 9000 DOOR ACCESS, TYCO
N	LE-SJ2H	9,000.00	STD LAYER, VMS, V5 SYSTEMS
N	LE-SJ2J	9,000.00	STD LAYER, VIDEO INSIGHT VMS, PANASONIC
N	LE-SJ2K	9,000.00	STD LAYER, LPR, VIGILANT
<b>Premium Layers</b>			
N	LE-SJ2L	18,000.00	PREMIUM LAYER, VMS, AVIGILON
N	LE-SJ2M	18,000.00	PREMIUM LAYER, RATINGS, CONTROL RISKS
N	LE-SJ2N	18,000.00	PREMIUM LAYER, DATAMINR
N	LE-SJ2P	18,000.00	PREMIUM LAYER, WIND SPEEDS, FATHYM
N	LE-SJ2R	18,000.00	PREMIUM LAYER, FLIGHT AWARE
N	LE-SJ2T	18,000.00	PREMIUM LAYER, TROPICAL STORMS, IBM
N	LE-SJ2U	18,000.00	PREMIUM LAYER, WEATHER FORECAST, IBM
N	LE-SJ2V	18,000.00	PREMIUM LAYER, SMART LIGHTING, ITRON
N	LE-SJ2W	18,000.00	PREMIUM LAYER, LIFERAFT
N	LE-SJ2X	18,000.00	PREMIUM LAYER, MARINE TRAFFIC
N	LE-SJ2Y	18,000.00	PREMIUM LAYER, NC4
N	LE-SJ2Z	18,000.00	PREMIUM LAYER, BLUEDOT, OMNITRACS
N	LE-SJ3A	18,000.00	PREMIUM LAYER, PULSE, VMWARE
N	LE-SJ3B	18,000.00	PREMIUM LAYER, SHIPS, IHS MARITIME
N	LE-SJ3C	18,000.00	PREMIUM LAYER, VERIZON CONNECT
N	LE-SJ3D	18,000.00	PREMIUM LAYER, INCIDENTS, WORLDWARE
N	LE-SJ3E	18,000.00	PREMIUM LAYER, INTELLIGENCE, WORLDWARE
N	LE-SJ3F	18,000.00	PREMIUM LAYER, RATINGS, WORLDWARE
<b>Super Premium Layers</b>			
N	LE-SJ3G	45,000.00	S-PREMIUM LAYER, PRECIPITATION, FATHYM
N	LE-SJ3H	45,000.00	S-PREMIUM LAYER, ROUTES WEATHER, FATHYM
N	LE-SJ3J	45,000.00	S-PREMIUM LAYER, VMS, GENETEC

**SITUATIONAL AWARENESS MAPPING**

Band: N/A

Product Code: LE

E/C	Model No.	List Price \$	Description
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**STEP 4 – SELECT ADDITIONAL OPTIONS AS NEEDED**

N	.....LE-SJ3K .....	1,800.00	.....SEAT, ADDITIONAL	
N	.....LE-SJ3L .....	40,000.00	.....ARCHIVE, 23 DAYS ADDITIONAL	
N	.....LE-SJ3M .....	120,000.00	.....ARCHIVE, 83 DAYS ADDITIONAL	
N	.....LE-SJ3N .....	25,000.00	.....CAMERAS, 6 ADDITIONAL, SIMULTANEOUS VIEW	

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**OPENSky® SG5300 DATA MODEM**

Band: 800, 900

Product Code: SG

**Standard Equipment:**

SG5300 data modem provides:

- Ethernet (RJ45) for connection to an RTU
- Serial DB9 interface for SLIP/PPP data applications
- 3-Watt RF output power
- Compact lightweight design
- Flexible mounting options: indoors or in NEMA enclosure

**Standard Features:**

- Compatible with OpenSky radio networks
- Collects or distributes data messages from devices
- Supports direct connection to devices which use the DNP 3.0 protocol
- Over-the-Air Programmable, including features, profiles, and system updates
- Secure wireless connection

E/C	Model No.	List Price \$	Description
C .....	SG5300-900.....	1,600.00 .....	SG5300, DATA ONLY, 900 MHZ
C .....	SG5300-800.....	1,600.00 .....	SG5300, DATA ONLY, 800 MHZ
N .....	SG5300-NI .....	185.00 .....	OPTION, NON-INCENDIVE

**Antennas**

S.....	AN-225005-002.....	195.00 .....	ANTENNA, ELEMENT, 900, 3dB, EF
S.....	AN-225005-003.....	195.00 .....	ANTENNA, ELEMENT, 900, NGP, 3dB, EF
S.....	AN-225005-001.....	90.00 .....	ANTENNA, ELEMENT, 900, 3dB
S.....	AN-225005-004.....	60.00 .....	ANTENNA, ELEMENT, 900, LOW PROFILE, 3dB
S.....	AN-225001-003.....	170.00 .....	ANTENNA, ELEMENT, 700/800 3dB ELEV FD NGP
S.....	AN-225001-005.....	90.00 .....	ANTENNA, ELEMENT, 700/800 5dB
S.....	AN-225001-001.....	90.00 .....	ANTENNA, ELEMENT, 700/800 3dB
S.....	AN-225001-004.....	60.00 .....	ANTENNA, ELEMENT, 700/800 2dB LOW PROFILE
S.....	AN-125001-008.....	90.00 .....	ANTENNA, BASE, MAGNETIC MOUNT LOW LOSS
S.....	AN-125001-004.....	85.00 .....	ANTENNA, BASE, THICK ROOF MOUNT LOW LOSS
S.....	AN-125001-002.....	80.00 .....	ANTENNA, BASE, STANDARD ROOF MOUNT LOW LOSS

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

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## PROVOICE™, EDACS®, AND P25<sup>IP</sup> RADIO TEXTLINK

Band: N/A

Product Code: DR



### Standard Equipment:

- Radio TextLink Virtual Machine Application
- XL-200P, XL-185P, Unity® XG-100P, XG-75, P7300, P7200, P7100<sup>IP</sup>, P5500, P5400, P5300, P5200, P5100, XG-25P, XG-15P, XL-200M, XL-185M, Unity XG-100M, M7300, M7200, M7100<sup>IP</sup>, M5300 or XG-25M Radio only with Radio TextLink feature encryption
- Radio TextLink Client (License)

### Standard Features:

- Freeform text sent to and displayed on mobile and portable radios
- Two-way canned messages and responses
- Form capabilities
- Message routing and logging
- Console, dispatch, CAD workstation, and/or third-party application support
- IP-based data application

E/C	Model No.	List Price \$	Description
C .....	NM-VM2D-HD .....	18,750.00 .....	HARD DRIVE, RADIO TEXTLINK VMWARE SW Can be added to an SR10A VIDA Premier system when purchased with associated Radio TextLink Client licenses
<b>Options for Client</b>			
NB .....	CM22465-1001 .....	2,875.00 .....	LICENSE, RADIO TEXTLINK CLIENT (1 License per Concurrent Client)
<b>Options for Portables and Mobiles (Ordered with the Radio)</b>			
NB .....	XL-PKGPD .....	330.00 .....	FEATURE PACKAGE, P25 DATA Includes Radio TextLink and MDT for XL-200P
NB .....	XS-PKGPD .....	330.00 .....	FEATURE PACKAGE, P25 DATA Includes Radio TextLink for XL-185P
N .....	MAEV-NPL7N .....	60.00 .....	FEATURE, RADIO TEXTLINK, XG-75/P7300
N .....	MAEX-NPL7N .....	60.00 .....	FEATURE, RADIO TEXTLINK, P5500/P5300/P5400
N .....	DP-PL7N .....	60.00 .....	FEATURE, RADIO TEXTLINK, XG-25P
N .....	XR-PL7N .....	60.00 .....	FEATURE, RADIO TEXTLINK For XG-15P
NB .....	XZ-PKGPD .....	330.00 .....	FEATURE PACKAGE, P25 DATA Includes Radio TextLink and MDT for XL-200M
NB .....	XT-PKGPD .....	330.00 .....	FEATURE PACKAGE, P25 DATA Includes Radio TextLink and MDT for XL-185M
N .....	MAMW-NPL7N .....	60.00 .....	FEATURE, RADIO TEXTLINK, M7300
N .....	MAMV-NPL7N .....	60.00 .....	FEATURE, RADIO TEXTLINK, M7200
N .....	MAHK-NPL7N .....	60.00 .....	FEATURE, RADIO TEXTLINK, M5300
N .....	DM-PL7N .....	60.00 .....	FEATURE, RADIO TEXTLINK, XG-25M

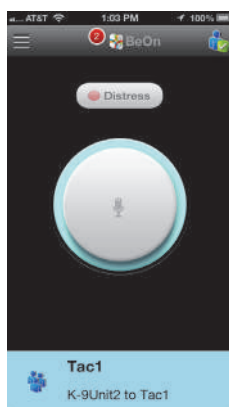
EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

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## BEON® GROUP COMMUNICATIONS SUITE

Band: NA

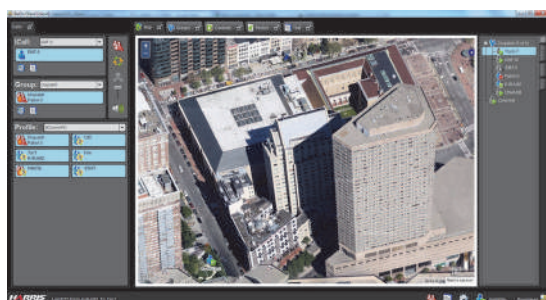
Product Code: BN, BM



iOS™ Application



Android™ Application



Microsoft® Windows® Application

### BeOn Highlights:

- Instantaneous group communications over cellular networks
- Integrated voice, text messaging, and Google Location Service™
- Integrated group communications between LMR and cellular networks
- A platform that is expandable to include advanced situational awareness applications
- P25 Feature Set including resident P25 vocoder

### Benefits:

- Expands LMR system footprint to that of the nationwide cellular systems
  - Far and above the best performance and feature set of any cellular PTT system when used with VIDA® LMR networks
  - Provides access to LMR voice on smaller multifunctional phones that are preferred in some use cases
- Advanced features such as presence, call recording on the phone, and mapping improve user efficiency

### BeOn Software Suite

BeOn is an advanced group communications solution that provides for the convergence of land mobile radio and broadband communications. BeOn bridges narrowband PTT voice services with devices that operate on broadband networks including 4G and 5G commercial cellular networks, public safety LTE networks, and WiFi networks. The BeOn client application operates on standard commercial carrier Android™ and iOS™ smartphone and tablet user devices as well as on Windows® PCs, providing a very low cost-per-user communications platform.

**CONTACT YOUR TERRITORY SALES ENGINEER OR FIELD ENGINEER TO DETERMINE THE CONFIGURATION FOR A SPECIFIC APPLICATION.**

E/C	Model No.	List Price \$	Description
N .....	BN-SV3F .....	15,000.00 .....	LICENSES, 25 OR LESS (FOUNDATION)
N .....	BN-SV3G .....	40,000.00 .....	LICENSES, 26 TO 500 (PREMIER)
N .....	BN-SV3H .....	85,000.00 .....	LICENSES, 501 TO 5000 (ENTERPRISE)
N .....	BN-FW2F .....	30,000.00 .....	LICENSE, UPGRADE, FOUNDATION TO PREMIER
N .....	BN-FW2G .....	54,000.00 .....	LICENSE, UPGRADE, PREMIER TO ENTERPRISE
N .....	BN-FW2H .....	84,000.00 .....	LICENSE, UPGRADE, FOUNDATION TO ENTERPRISE
N .....	BM-FW2K .....	1,750.00 .....	LICENSE, BEON PC CLIENT, MS WINDOWS

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**Latest Products and Pricing on the Web**  
<https://premier.pspc.harris.com/infocenter/>



**BEON® GROUP COMMUNICATIONS SUITE**

Band: NA

Product Code: BN, BM

E/C	Model No.	List Price \$	Description
N	BM-FW2E	350.00	PKG, 1 BEON MOBILE LICENSE For mobile devices (Android/iOS) only.
N	BM-PKGCL	1,675.00	PKG, 5 BEON MOBILE LICENSES For mobile devices (Android/iOS) only.
N	BM-FW2M	7,500.00	PKG, 25 BEON MOBILE LICENSES For mobile devices (Android/iOS) only.
N	BM-FW2N	25,000.00	PKG, 100 BEON MOBILE LICENSES For mobile devices (Android/iOS) only.
N	BM-FW2P	7,500.00	PKG, 5 BEON WINDOWS LICENSES
N	BM-PKGCL-XL	335.00	APP, BEON XL RADIO FAMILY BeOn Client License enabling the LTE radio to provide PTT over LTE or WiFi networks. A BeOn Server is required to enable this option.
N	BM-PK1D	75.00	FEATURE, AES ENCRYPTION
N	BM-PK1E	0.02	FEATURE, NO AES ENCRYPTION
N	BM-AE1V	299.00	SPEAKER MIC, WIRELESS, BLUETOOTH, ADVANCED
N	BM-AE2T	299.00	SPEAKER MIC, WIRELESS, BLUETOOTH, ADV, ANZ For use in Australia and New Zealand
N	BM-AE1S	179.00	BLUETOOTH, COVERT, EARPIECE/MIC/PTT

**Manuals**

V	MM100BN	35.00	MANUAL, USER, BEON CLIENT
V	MM200BN	25.00	MANUAL, PRODUCT, BEON UNITE ON CD
V	MM300BN	35.00	MANUAL, PRODUCT, BEON SERVERS

EXPORT CONTROL NOTE: Our products may require a validated Export License issued by the Department of Commerce prior to exporting from the United States.

**VENDOR PRODUCTS**

Product Code: 77

**All Vehicular Repeater orders must be placed through the Product Configurator. The following is for information only.**

E/C	Model No.	List Price \$	Description
<b>Vehicular Repeaters (Conventional)*</b>			
V .....	PY-SVR-2008WS.....	1,905.00 .....	MOBILE, VEHICULAR REPEATER, SINGLE TRANSCEIVER, 851-870 MHZ, 25 KHZ
V .....	PY-SVR-2008ND.....	1,905.00 .....	MOBILE, VEHICULAR REPEATER, DUAL TRANSCEIVER 851-870 MHZ, 12.5 KHZ
V .....	PY-SVR-2008NS.....	1,905.00 .....	MOBILE, VEHICULAR REPEATER, SINGLE TRANSCEIVER, 851-870 MHZ, 12.5 KHZ
V .....	PY-SVR-200HND.....	1,695.00 .....	MOBILE, VEHICULAR REPEATER, DUAL TRANSCEIVER, 150-174 MHZ, 12.5-KHZ
V .....	PY-SVR-200HNS.....	1,695.00 .....	MOBILE, VEHICULAR REPEATER, SINGLE TRANSCEIVER, 150-174 MHZ, 12.5 KHZ
V .....	PY-FY-1 .....	180.00 .....	CABLE, PROGRAMMING, VEHICULAR REPEATER
V .....	PY-SXA1204414/1.....	60.00 .....	BRACKET, CABLE SUPPORT, DUAL TRANSCEIVER
*For use with M7100 <sup>IP</sup> , Jaguar 725M, and Orion mobiles.			
<b>Miscellaneous Equipment</b>			
S.....	1325010107 .....	90.00 .....	CIRCUIT BREAKER, 1 AMP
S.....	1000001286-0001 .....	5,250.00 .....	ASSEMBLY, CELLULAR VSWR ALARM
S.....	19B801454P19 .....	50.00 .....	CABLE, COAX, 23 IN, N(M)/BNC(M)
V .....	AM-017465-001 .....	7,640.00 .....	AMPLIFIER, TOWER TOP, 792-824 MHZ, 14 DB
V .....	AN-013386-001 .....	1,113.00 .....	ANTENNA, DISH, 2 FT, 26.6 DBI, TYPE N
V .....	CA-014984-000025 .....	72.00 .....	CABLE, POWER, 2 PIN, SEALED, 25 FT
V .....	CA-015223-025 .....	77.00 .....	CABLE, CAT5E, OUTDR, SHIELDED W/DRAIN, 25 FT
V .....	CA-018344-001 .....	3.45 .....	CABLE, CELLFLEX, 7/8 IN (PER FT)
V .....	CN-018354-007 .....	35.00 .....	CONNECTOR, N(F), 7/8 IN COAX
V .....	KT-018357-001 .....	35.00 .....	KIT, GROUNDING FOR 7/8 IN COAXIAL, 60 IN
V .....	KT-018357-002 .....	20.00 .....	GROUNDING FOR 1/2 IN COAXIAL
S.....	1738607-1 .....	29.00 .....	KIT, PLUG, SOLID WIRE
V .....	PT-016508-001 .....	90.00 .....	SURGE PROTECTOR, COAX, TYPE N, 4.9 GHZ
V .....	PT-016508-003 .....	265.00 .....	SURGE PROTECTOR, CAT5E, RJ45, DATA
V .....	PT-016508-004 .....	272.00 .....	SURGE PROTECTOR, DC, WIRE, 27 VDC
S.....	G50-0024-005.....	80.00 .....	LGHTNG PROTECTR 50 OHM N(F) TO N(M) 375W
S.....	REC098M.....	20.00 .....	ADAPTER, DB9 MALE TO RJ45
VM.....	SV-CG1K-DC .....	5,590.00 .....	MULTICOUPLER, 700/800 MHZ, 9 MHZ FILTER, DC
VN .....	CM-027501-304 .....	1,015.00 .....	MODULE, CISCO WIC-1DSU-T1-V2
VN .....	CM-027501-309 .....	152.25 .....	CABLE, CAB-HD8-ASYNC
VN .....	VSCR08.....	7,000.80 .....	ROUTER, CISCO, 2911, DC, IPBASE, W/ETHER SWTCH
V .....	CN-009256 .....	45.00 .....	CONNECTOR, NF, 7/8 IN. COAX, O-RING SEALING
S.....	W90-0100-011.....	100.00 .....	CABLE ASSY, SURE FLEX N MALE-N MALE 6FT
S.....	CM-027501-316 .....	1,900.00 .....	1PORT 3RDGEN ML TFLEX TRNK VOICE/WAN CARD

**VENDOR PRODUCTS**

Product Code: 77

E/C	Model No.	List Price \$	Description
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**Base Station Antennas and Accessories**

Standard mounting hardware is included as described in the manufacturers' catalogs. Consult the catalogs for complete descriptions and current product specifications. Specify operating frequency for all Base Station Antennas.

**Power/Fiber Optic Cables****Andrew**

V ..... MAIROS0002-00350 ..... 3,065.00 ..... CABLE, POWER/FIBER OPTIC, 350 FT

**Unassembled Cable and Connectors (For Field Assembly)**

Helix coaxial for domestic orders is shipped on disposable (non-deposit or returnable (deposit required)) wooden reels.

**Andrew**

V ..... F1PNM-H ..... 25.00 ..... CONNECTOR, N MALE WITH HEX

V ..... 7779 ..... 85.00 ..... CONNECTOR, N MALE FOR LDF5-50A, L5NM

**108-174 MHz Antennas****Andrew**

V ..... 7567 ..... 595.00 ..... ANTENNA, 150-160 MHZ, OMNI, 6 DB, DB224-A

V ..... DB230-J ..... 240.00 ..... ANTENNA, YAGI, CUT, 7 DB (NLA)

V ..... DB222-A ..... 300.00 ..... ANTENNA, 150-158 MHZ, OMNI, 3 DB

**406-512 MHz Antennas****Andrew**

V ..... DB436-C ..... 235.00 ..... ANTENNA, 450-470 MHZ, YAGI, 10 DB

V ..... 7615 ..... 850.00 ..... ANTENNA, 450-470 MHZ, OMNI, 9.2 DB, DB420-B

**DBSpectra**

V ..... AN-016803-001 ..... 2,275.00 ..... ANTENNA, 400-436 MHZ, 6 DB GAIN, OMNI, DS4A06F36U-N

**806-960 MHz Antennas****DBSpectra**

V ..... AN-016804-001 ..... 1,875.00 ..... ANTENNA, 806-869 MHZ, 10 DB GAIN, OMNI, DS8A10F36U-N

V ..... AN-016805-001 ..... 2,500.00 ..... ANTENNA, 806-869 MHZ, 12 DB GAIN, OMNI, DS8A12F36U-N

**Antenna Mounting Hardware****Andrew**

V ..... 7699 ..... 500.00 ..... KIT, ANTENNA SIDE MOUNT, ASPR614

**VENDOR PRODUCTS**

Product Code: 77

E/C	Model No.	List Price \$	Description
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**Base Station Antennas and Accessories**

Standard mounting hardware is included as described in the manufacturers' catalogs. Consult the catalogs for complete descriptions and current product specifications. Specify operating frequency for all Base Station Antennas.

**Transmitter Combiner****Combilent**

VN	AS-CB2H	8,525.00	COMBINER, TX, 2-4 CH, 700 MHZ, AC, 150 KHZ
VN	AS-CB2I	13,025.00	COMBINER, TX, 5-6 CH, 700 MHZ, AC, 150 KHZ
VN	AS-CB2J	15,800.00	COMBINER, TX, 7-8 CH, 700 MHZ, AC, 150 KHZ
VN	AS-CB2K	7,950.00	COMBINER, TX, 2-4 CH, 800 MHZ, AC, 150 KHZ
VN	AS-CB2L	12,125.00	COMBINER, TX, 5-6 CH, 800 MHZ, AC, 150 KHZ
VN	AS-CB2M	14,700.00	COMBINER, TX, 7-8 CH, 800 MHZ, AC, 150 KHZ
S	A33-0012-001	7,256.00	COMBINER, 4 CH, 851-869 MHZ, DPM, AC
S	A33-0012-002	3,817.60	COMBINER, 2 CH or EXP, 250 KHZ, 851-870
S	A33-0012-003	6,217.60	COMBINER, 4 CH, 851-869 MHZ
S	A33-0012-004	7,785.60	COMBINER, 4 CH, 763-776 MHZ, DPM, AC
S	A33-0012-005	6,652.80	COMBINER, 4 CH, 763-776 MHZ
S	A33-0012-006	4,126.40	COMBINER, 2 CH, 763-776 MHZ
S	A33-0012-007	7,785.60	COMBINER, 4 CH, 763-776 MHZ, DPM, DC, 150 KHZ
S	A33-0012-008	7,785.60	COMBINER, 4 CH, 763-776 MHZ, DPM, DC, 250 KHZ
S	A33-0012-009	7,256.00	COMBINER, TX, 4 CH, 851-869 MHZ, DC, 150 KHZ
S	A33-0012-010	7,256.00	COMBINER, TX, 4 CH, 851-869 MHZ, DC, 250 KHZ

**Filters****Combilent**

V	A33-1009-005	2,680.00	TX FILTER, 900 MHZ INCLUDING DPM, DC
V	A33-1009-006	2,680.00	TX FILTER, 900 MHZ INCLUDING DPM, AC

**Power Monitors****Combilent**

S	A33-1016-001	2,660.00	POWER MONITOR 150-174 MHZ VHF AC SUPPLY
S	A33-1016-002	2,660.00	POWER MONITOR 380-400 MHZ, UHF AC SUPPLY
S	A33-1016-003	2,660.00	POWER MONITOR 403-440 MHZ, UHF AC SUPPLY
S	A33-1016-004	2,660.00	POWER MONITOR 440-470 MHZ UHF AC SUPPLY
S	A33-1016-005	2,660.00	POWER MONITOR 7/800 MHZ, AC SUPPLY
S	A33-1016-006	2,660.00	POWER MONITOR 900 MHZ, AC SUPPLY
S	A33-1016-007	2,660.00	POWER MONITOR 150-174 MHZ VHF DC SUPPLY
S	A33-1016-011	2,660.00	POWER MONITOR 380-400 MHZ UHF DC SUPPLY
S	A33-1016-012	2,660.00	POWER MONITOR 403-440 MHZ UHF DC SUPPLY
S	A33-1016-008	2,660.00	POWER MONITOR 440-470 MHZ UHF DC SUPPLY
S	A33-1016-009	2,660.00	POWER MONITOR 7/800 MHZ DC SUPPLY
S	A33-1016-010	1,920.00	POWER MONITOR 900 MHZ DC SUPPLY



**VENDOR PRODUCTS**

Product Code: 77

E/C	Model No.	List Price \$	Description
<b>Base Station Antennas and Accessories</b>			
<b>Duplexers and Cavities</b>			
Consult vendor catalog for complete descriptions and current specifications. When ordering, specify exact operating frequency for each duplexer or cavity.			
<b>Sinclair Technologies</b>			
V.....	A33-1011-002 .....	2,110.00.....	DUPLEXER 4 CAV 148-174 MHZ
V.....	G27-0022-001 .....	985.00.....	DUPLEXER 4 CAV 380-406 MHZ
V.....	G27-0022-002 .....	1,560.00.....	DUPLEXER 6 CAV 406-420 MHZ
V.....	G27-0022-003 .....	1,560.00.....	DUPLEXER 6 CAV 450-470 MHZ
V.....	G27-0022-004 .....	1,560.00.....	DUPLEXER 6 CAV 420-450 MHZ
V.....	G27-0022-005 .....	1,560.00.....	DUPLEXER 6 CAV 470-512 MHZ
<b>Preselectors</b>			
<b>Sinclair Technologies</b>			
V.....	A33-1012-001 .....	2,455.00.....	RX PRESELECTOR 1 MHZ BW 130-150 MHZ
V.....	A33-1012-002 .....	2,455.00.....	RX PRESELECTOR 1 MHZ BW 150-174 MHZ
V.....	A33-1022-001 .....	2,305.00.....	RX PRESELECTOR 2MHZ BW 450-470 MHZ
V.....	A33-1022-002 .....	2,305.00.....	RX PRESELECTOR 2MHZ BW 470-512 MHZ
V.....	A33-1022-003 .....	2,825.00.....	RX PRESELECTOR 4MHZ BW 450-470 MHZ
V.....	A33-1022-004 .....	2,825.00.....	RX PRESELECTOR 5MHZ BW 380-430 MHZ
V.....	A33-1013-001 .....	1,490.00.....	TX PRESELECTOR 2 MHZ BW 138-155 MHZ
V.....	A33-1013-002 .....	1,490.00.....	TX PRESELECTOR 2 MHZ BW 155-174 MHZ
V.....	A33-1023-001 .....	875.00.....	TX OR RX PRESELECTOR 1MHZ BW 406-450 MHZ
V.....	A33-1023-002 .....	875.00.....	TX OR RX PRESELECTOR 2MHZ BW 406-450 MHZ
V.....	A33-1023-003 .....	875.00.....	TX OR RX PRESELECTOR 3MHZ BW 406-440 MHZ
V.....	A33-1023-004 .....	875.00.....	TX OR RX PRESELECTOR 4MHZ BW 406-450 MHZ
V.....	A33-1023-005 .....	875.00.....	TX OR RX PRESELECTOR 1MHZ BW 450-512 MHZ
V.....	A33-1023-006 .....	875.00.....	TX OR RX PRESELECTOR 2MHZ BW 450-512 MHZ
V.....	A33-1023-007 .....	875.00.....	TX OR RX PRESELECTOR 3MHZ BW 440-480 MHZ
V.....	A33-1023-008 .....	875.00.....	TX OR RX PRESELECTOR 4MHZ BW 450-512 MHZ
V.....	A33-1023-009 .....	875.00.....	TX OR RX PRESELECTOR 5MHZ BW 450-512 MHZ
V.....	A33-1023-010 .....	875.00.....	TX OR RX PRESELECTOR 3MHZ BW 480-512 MHZ
<b>Transmitter Combiners</b>			
<b>Sinclair Technologies</b>			
V.....	A33-1014-002 .....	5,140.00.....	TX COMBINER 2CH NF 132-174 MHZ
V.....	A33-1014-003 .....	7,865.00.....	TX COMBINER 3CH NF 132-174 MHZ
V.....	A33-1014-004 .....	9,090.00.....	TX COMBINER 4CH NF 132-174 MHZ
V.....	A33-1014-005 .....	13,191.00.....	TX COMBINER 5CH NF 132-174 MHZ
<b>Antennas</b>			
<b>Sinclair Technologies</b>			
V.....	E75-4006-002 .....	3,195.00.....	ANTENNA 5DBD OMNI 138-158 MHZ 0DNTLT
V.....	E75-4006-003 .....	3,195.00.....	ANTENNA 5DBD OMNI 148-168 MHZ 0DNTLT
V.....	E75-4006-004 .....	3,195.00.....	ANTENNA 5DBD OMNI 156-174 MHZ 0DNTLT
V.....	E75-4006-005 .....	1,610.00.....	ANTENNA 4DBD OMNI 380-430 MHZ 0DNTLT
V.....	E75-4006-006 .....	1,610.00.....	ANTENNA 4DBD OMNI 403-470 MHZ 0DNTLT
V.....	E75-4006-007 .....	1,610.00.....	ANTENNA 4DBD OMNI 450-512 MHZ 0DNTLT
V.....	E75-4006-008 .....	4,300.00.....	ANTENNA 9DBD OMNI 380-430 MHZ 0DNTLT
V.....	E75-4006-009 .....	4,300.00.....	ANTENNA 9DBD OMNI 403-470 MHZ 0DNTLT
V.....	E75-4006-010 .....	4,300.00.....	ANTENNA 9DBD OMNI 450-512 MHZ 0DNTLT



**VENDOR PRODUCTS**

Product Code: 77

E/C	Model No.	List Price \$	Description
<b>Base Station Antennas and Accessories</b>			
<b>Antennas (Cont'd)</b>			
<b>Sinclair Technologies (Cont'd)</b>			
V .....	E75-4006-102 .....	1,040.00 .....	ANTENNA 1.5DBD 138-174 MHZ BIDIR 0DNTLT
V .....	E75-4006-202 .....	2,180.00 .....	ANTENNA 4.5DBD 138-174 MHZ BIDIR 0DNTLT
V .....	E75-4006-302 .....	4,465.00 .....	ANTENNA 7DBD 138-174 MHZ BIDIR 0DNTLT
V .....	E75-4006-402 .....	6,670.00 .....	ANTENNA 9.5DB 138-174 MHZ BIDIR 0DNTLT
V .....	E75-4006-011 .....	1,960.00 .....	ANTENNA 7DBD BIDIR 370-430 MHZ 0DNTLT
V .....	E75-4006-012 .....	1,960.00 .....	ANTENNA 7.5DBD BIDIR 370-430 MHZ 0DNTLT
V .....	E75-4006-013 .....	1,960.00 .....	ANTENNA 7DBD BIDIR 406-470 MHZ 0DNTLT
V .....	E75-4006-014 .....	1,960.00 .....	ANTENNA 7.5DBD BIDIR 406-470 MHZ 0DNTLT
V .....	E75-4006-015 .....	1,960.00 .....	ANTENNA 7DBD BIDIR 450-512 MHZ 0DNTLT
V .....	E75-4006-016 .....	1,960.00 .....	ANTENNA 7.5DBD BIDIR 450-512 MHZ 0DNTLT
V .....	E75-4006-104 .....	1,040.00 .....	ANTENNA 2DBD OFFSET 138-174 MHZ 0DNTLT
V .....	E75-4006-204 .....	4,465.00 .....	ANTENNA 5DBD OFFSET 138-174 MHZ 0DNTLT
V .....	E75-4006-304 .....	4,465.00 .....	ANTENNA 7.5DB OFFSET 138-174 MHZ 0DNTLT
V .....	E75-4006-404 .....	6,670.00 .....	ANTENNA 10DB OFFSET 138-174 MHZ 0DNTLT
<b>Antenna Multicouplers</b>			
<b>Sinclair Technologies</b>			
V .....	A33-1015-001 .....	3,070.00 .....	MULTICOUPLER 8PORT BNC 132-174 MHZ
V .....	A33-1015-002 .....	3,465.00 .....	MULTICOUPLER 16PORT BNC 132-174 MHZ
V .....	A33-1021-001 .....	3,070.00 .....	MULTICOUPLER 8PORT BNC 380-512 MHZ
V .....	A33-1021-002 .....	3,915.00 .....	MULTICOUPLER 16PORT BNC 380-512 MHZ
<b>Duplexers and Cavities</b>			
Consult vendor catalog for complete descriptions and current specifications. When ordering, specify exact operating frequency for each duplexer or cavity. All 7000 series options on this page are drop shipped for field installation only. Installation Kits are not included.			
<b>DBSpectra</b>			
V .....	7658 .....	2,580.00 .....	DUPLEXER, 148-174 MHZ, 4 CAVITIES, DB4059
<b>Transmitter Combiner</b>			
<b>DBSpectra</b>			
S .....	A33-0001-023 .....	26,100.00 .....	COMBINER, TX, 800 MHZ, 12 CH. DIN
S .....	A33-0001-022 .....	23,925.00 .....	COMBINER, TX, 800 MHZ, 11 CH. DIN
S .....	A33-0001-021 .....	21,750.00 .....	COMBINER, TX, 800 MHZ, 10 CH. DIN
S .....	A33-0001-020 .....	19,575.00 .....	COMBINER, TX, 800 MHZ, 9 CH. DIN
S .....	A33-0001-019 .....	17,400.00 .....	COMBINER, TX, 800 MHZ, 8 CH. DIN
S .....	A33-0001-018 .....	15,225.00 .....	COMBINER, TX, 800 MHZ, 7 CH. DIN
S .....	A33-0001-017 .....	13,050.00 .....	COMBINER, TX, 800 MHZ, 6 CH. DIN
S .....	A33-0001-016 .....	10,875.00 .....	COMBINER, TX, 800 MHZ, 5 CH. DIN
S .....	A33-0001-015 .....	9,700.00 .....	COMBINER, TX, 800 MHZ, 4 CH. DIN
S .....	A33-0001-014 .....	6,525.00 .....	COMBINER, TX, 800 MHZ, 3 CH. DIN
S .....	A33-0001-013 .....	4,350.00 .....	COMBINER, TX, 800 MHZ, 2 CH. DIN
S .....	A33-0001-012 .....	26,100.00 .....	COMBINER, TX, 700 MHZ, 12 CH. DIN
S .....	A33-0001-011 .....	23,925.00 .....	COMBINER, TX, 700 MHZ, 11 CH. DIN
S .....	A33-0001-010 .....	21,750.00 .....	COMBINER, TX, 700 MHZ, 10 CH. DIN
S .....	A33-0001-009 .....	19,575.00 .....	COMBINER, TX, 700 MHZ, 9 CH. DIN
S .....	A33-0001-008 .....	17,400.00 .....	COMBINER, TX, 700 MHZ, 8 CH. DIN
S .....	A33-0001-007 .....	15,225.00 .....	COMBINER, TX, 700 MHZ, 7 CH. DIN

**VENDOR PRODUCTS**

Product Code: 77

E/C	Model No.	List Price \$	Description
<b>Transmitter Combiner</b>			
<b>DBSpectra</b>			
S.....	A33-0001-006 .....	13,050.00.....	COMBINER, TX, 700 MHZ, 6 CH. DIN
S.....	A33-0001-005 .....	10,875.00.....	COMBINER, TX, 700 MHZ, 5 CH. DIN
S.....	A33-0001-004 .....	9,700.00.....	COMBINER, TX, 700 MHZ, 4 CH. DIN
S.....	A33-0001-003 .....	6,525.00.....	COMBINER, TX, 700 MHZ, 3 CH. DIN
S.....	A33-0001-002 .....	4,350.00.....	COMBINER, TX, 700 MHZ, 2 CH. DIN
V.....	DB4368-5-AD.....	10,555.00.....	COMBINER, 5 CHANNELS, 410-430 MHZ
V.....	DB4368-5-AB.....	9,765.00.....	COMBINER, 5 CHANNELS, 406-416 MHZ
V.....	DB4368-5-AA.....	10,555.00.....	COMBINER, 5 CHANNELS, 370-400 MHZ

**Installation Accessories****DBSpectra**

V..... XE-014893-001 ..... 120.00..... TAPE, VAPOR-WRAP, 3 IN., 50 FT ROLL

**VENDOR PRODUCTS**

Product Code: 77

E/C	Model No.	List Price \$	Description
<b>Base Station Antennas and Accessories</b>			
<b>Larsen</b>			
V .....	NMOMMRN .....	40.00 .....	ANTENNA, BASE, MAGNETIC, TYPE N CONN
V .....	NMQSPEC800B .....	15.00 .....	ANTENNA, 1/4 WAVE
<b>Antenna Mounting Hardware</b>			
<b>Cables, Connectors, and Surge Protectors</b>			
<b>Transtector</b>			
V .....	DSXL-MA-BF .....	140.00 .....	FILTER, LIGHTNING, 800-900 MHZ
V .....	7239 .....	100.00 .....	FILTER, LIGHTNING, 125-1000 MHZ, IS-B50LN-C2-MA For Coax Protection, Bulkhead Mounting
V .....	VHF50HN-MA .....	160.00 .....	SURGE PROTECTOR, COAXIAL
V .....	DSXL-MA-BF .....	140.00 .....	SURGE PROTECTOR, COAXIAL
<b>Transtector and Tessco</b>			
V .....	PT-018602-001 .....	175.00 .....	FILTER, SURGE PROTECTOR, 800-2500 MHZ
<b>Polyphaser</b>			
V .....	G50-0032-002 .....	225.00 .....	VHF SURGE PROTECTOR/COMB 100-512 MHZ 750W

**VENDOR PRODUCTS**

Product Code: 77

E/C	Model No.	List Price \$	Description
<b>Base Station Antennas and Accessories</b>			
<b>Radio Frequency Systems (RFS)</b>			
V .....	BMR10-A-B1 .....	5,675.00 .....	ANTENNA, 806-869 MHZ, OMNI, 12 DB
V .....	BMR12-O-B1 .....	5,675.00 .....	ANTENNA, 806-869 MHZ, OMNI, 12 DB
<b>Transmitter Combiner</b>			
<b>Radio Frequency Systems (RFS)</b>			
V .....	WIJD862-02S .....	2,775.00 .....	COMBINER, 851-869 MHZ, 2 CHANNEL
V .....	WIJD862-04S .....	4,935.00 .....	COMBINER, 851-869 MHZ, 4 CHANNEL
V .....	WIJD862-06S .....	6,345.00 .....	COMBINER, 851-869 MHZ, 6 CHANNEL
V .....	WIJD862-08S .....	10,290.00 .....	COMBINER, 851-869 MHZ, 8 CHANNEL
<b>Installation Accessories</b>			
<b>Radio Frequency Systems (RFS)</b>			
V .....	KT-014874-001 .....	30.00 .....	KIT, HOISTING GRIP, 1/2 IN. CABLE
V .....	KT-014859-001 .....	30.00 .....	KIT, COAXIAL HOISTING GRIP, 7/8 IN. CABLE
V .....	KT-014844-001 .....	55.00 .....	KIT, COAXIAL HOISTING GRIP, 1-5/8 IN.
V .....	KT-014871-001 .....	30.00 .....	KIT, NYLON CABLE TIE, QUANTITY OF 50
V .....	KT-014873-001 .....	40.00 .....	KIT, HANGER, 7/8 IN. CABLE, QUANTITY OF 10
V .....	KT-014872-001 .....	40.00 .....	KIT, HANGER, 1-5/8 IN. CABLE, QUANTITY OF 10
V .....	KT-014875-001 .....	30.00 .....	KIT, HANGER, 1/2 IN. CABLE
V .....	KT-014869-001 .....	85.00 .....	KIT, ANGLE ADAPTER, QUANTITY OF 10
V .....	KT-014845-001 .....	38.00 .....	KIT, FEEDTHRU BOOT, 7/8 IN.
V .....	KT-014846-001 .....	25.00 .....	KIT, FEEDTHRU BOOT, 1-5/8 IN.

**VENDOR PRODUCTS**

Product Code: 77

E/C	Model No.	List Price \$	Description
<b>Installation Accessories</b>			
<b>Radio Frequency Systems (RFS)</b>			
V .....	KT-014860-001 .....	55.00 .....	KIT, CABLE BOOT, 4 IN., 3 HOLES, 1/2 IN. CABLE
V .....	KT-014861-001 .....	55.00 .....	KIT, CABLE BOOT, 4 IN., FOR ONE 7/8 IN. CABLE
V .....	KT-014862-001 .....	55.00 .....	KIT, CABLE BOOT, 4 IN., FOR ONE 1-5/8 IN. CABLE
V .....	CN-014952-001 .....	115.00 .....	TERMINATION, 5 0 OHM LOAD, N, 900M
V .....	KT-014864-001 .....	35.00 .....	KIT, GROUNDING, WITH GROUND LUG, FOR 1-5/8 IN. CABLE
V .....	KT-014866-001 .....	40.00 .....	KIT, SNAP-IN HANGER, FOR 7/8 IN. CABLE, QUANTITY OF 10
V .....	KT-014870-001 .....	20.00 .....	KIT, HARDWARE, 3/8 IN., QUANTITY OF 10
<b>Cables and Connectors</b>			
<b>Radio Frequency Systems (RFS)</b>			
V .....	CA-015465-001 .....	1.95 .....	CABLE, COAXIAL, 1/4 IN. CELLFLEX
V .....	CA-015466-001 .....	2.75 .....	CABLE, COAXIAL, 1/2 IN. SUPERFLEX
V .....	CA-015468-001 .....	2.00 .....	CABLE, COAXIAL, 1/2 IN., LOW LOSS FOAM
V .....	CA-015474-001 .....	3.25 .....	CABLE, COAXIAL, 7/8 IN., LOW LOSS FOAM
V .....	CA-015471-001 .....	7.00 .....	CABLE, COAXIAL, 1-5/8 IN., LOW LOSS FOAM
V .....	LCF12-50J .....	3.00 .....	CABLE, COAXIAL, 1/2" LOW LOSS, LCF12-50J
V .....	CA-014840-001 .....	105.00 .....	CABLE, 6 FT, NM/NM, 1/2H, F4-NMNM-6/FSJ4-50B
V .....	716F-NM .....	65.00 .....	ADAPTER, 7/16F TO NM CONNECTOR
V .....	CN-015463-001 .....	40.00 .....	CONNECTOR, N MALE, 1/2 IN. COAX
V .....	CN-015464-001 .....	45.00 .....	CONNECTOR, N FEMALE, 1/2 IN. COAX
V .....	CN-015476-001 .....	160.00 .....	CONNECTOR, N FEMALE, 1-5/8 IN. COAX
V .....	CN-015462-001 .....	85.00 .....	CONNECTOR, BNC-M, 1/4 IN. COAX, SHRINK SLEEVE
V .....	CN-015467-001 .....	40.00 .....	CONNECTOR, N MALE, 1/2 IN. COAX, RAPID FIT
V .....	NF-SCF12-070 .....	45.00 .....	CONNECTOR, NF FOR 1/2" COAXIAL, THREADED GASKET
V .....	1655924-1 .....	50.00 .....	CONNECTOR, NF FOR 1/2" COAXIAL, RAPID FIT
V .....	NM-LCF12-070 .....	30.00 .....	CONNECTOR, NM FOR 1/2" COAXIAL
V .....	NM-SCF12-070 .....	40.00 .....	CONNECTOR, RAPID FIT, SCF12-50 NM
V .....	NM-SCF12-071 .....	105.00 .....	CONNECTOR, NM FOR 1/2" COAX, RIGHT ANGLE
V .....	NM-LCF14-070 .....	30.00 .....	CONNECTOR, NM FOR 1/4" COAXIAL, RAPID
V .....	CN-014856-001 .....	65.00 .....	CONNECTOR, TNC MALE, FOR 1/4 S-FLEX

**VENDOR PRODUCTS**

Product Code: 77

E/C	Model No.	List Price \$	Description
<b>Unassembled Cable and Connectors (For Field Assembly)</b>			
V .....	CN-014876-001 .....	45.00 .....	CONNECTOR, N MALE, RIGHT ANGLE
V .....	CN-014877-001 .....	30.00 .....	CONNECTOR, N FEMALE, FOR LDF4-50A
V .....	CN-014878-001 .....	40.00 .....	CONNECTOR, N FEMALE, FOR LDF5-50A
<b>Base Station Antennas and Accessories</b>			
<b>TX RX Systems</b>			
V .....	AN-009170 .....	4,100.00 .....	ANTENNA, 746-869 MHZ, OMNI, 10 DB
<b>Antenna Multicouplers</b>			
<b>TX RX Systems</b>			
V .....	42-57-01-04N .....	2,325.00 .....	RX MULTICOUPLER, 4 PORT, 380-520 MHZ
V .....	75-83A-02-24 .....	500.00 .....	MULTICOUPLER, EXPAN, 16 TO 24 PORTS
<b>DBSpectra</b>			
VN .....	SV-CG1R .....	3,455.00 .....	MULTICOUPLER, 7/800 MHZ, AC, 8 CH
VN .....	SV-CG1T .....	3,640.00 .....	MULTICOUPLER, 7/800 MHZ, DC, 8 CH
VN .....	SV-CG1U .....	4,295.00 .....	MULTICOUPLER, 7/800 MHZ, AC, 16 CH
VN .....	SV-CG1V .....	4,510.00 .....	MULTICOUPLER, 7/800 MHZ, DC, 16 CH
VN .....	SV-CG1W .....	5,135.00 .....	MULTICOUPLER, 7/800 MHZ, AC, 24 CH
VN .....	SV-CG1X .....	5,350.00 .....	MULTICOUPLER, 7/800 MHZ, DC, 24 CH
VN .....	SV-CG1Y .....	5,920.00 .....	MULTICOUPLER, 7/800 MHZ, AC, 32 CH
VN .....	SV-CG1Z .....	6,190.00 .....	MULTICOUPLER, 7/800 MHZ, DC, 32 CH
<b>Combilent</b>			
VN .....	SV-CG2A .....	3,585.00 .....	MULTICOUPLER, 7/800 MHZ, 3 MHZ, AC, 8 CH
VN .....	SV-CG2B .....	3,585.00 .....	MULTICOUPLER, 7/800 MHZ, 9 MHZ, AC, 8 CH
VN .....	SV-CG2C .....	3,585.00 .....	MULTICOUPLER, 7/800 MHZ, 12 MHZ, AC, 8 CH
VN .....	SV-CG2D .....	3,585.00 .....	MULTICOUPLER, 7/800 MHZ, 18 MHZ, AC, 8 CH
VN .....	SV-CG2E .....	3,585.00 .....	MULTICOUPLER, 7/800 MHZ, 3 MHZ, DC, 8 CH
VN .....	SV-CG2F .....	3,585.00 .....	MULTICOUPLER, 7/800 MHZ, 6 MHZ, DC, 8 CH
VN .....	SV-CG2G .....	3,585.00 .....	MULTICOUPLER, 7/800 MHZ, 12 MHZ, DC, 8 CH
VN .....	SV-CG2H .....	3,585.00 .....	MULTICOUPLER, 7/800 MHZ, 18 MHZ, DC, 8 CH
<b>Duplexers and Cavities</b>			
<b>TX RX Systems</b>			
V .....	26-89-01A .....	1,155.00 .....	DUPLEXER, 806-869 MHZ, 4 CAVITIES

**VENDOR PRODUCTS**

Product Code: IX

E/C	Model No.	List Price \$	Description
<b>Intraplex</b>			
V .....	A30-0419-006.....	25.00 .....	AC POWER SUPPLY CORD, IX-AC-CORD
V .....	A30-0419-007.....	4,485.00 .....	ACS T1 MUX NO PS RJ48C 3RU, IX-ACS-163-00C
V .....	A30-0419-009.....	5,005.00 .....	ACS T1 MUX 24VDC RJ48C, IX-ACS-163-24C
V .....	A30-0419-011.....	5,005.00 .....	ACS T1 MUX 48VDC RJ48C, IX-ACS-163-48C
V .....	A30-0419-013.....	5,330.00 .....	ACS T1 MUX 100W AC RJ48C, IX-ACS-163-A1C
V .....	A30-0419-014.....	5,720.00 .....	ACS T1 MUX DUAL AC RJ48C, IX-ACS-163-A2C
V .....	A30-0419-016.....	5,005.00 .....	ACS T1 MUX AC RJ48C IX-ACS-163-ACC
V .....	A30-0419-018.....	9,230.00 .....	ACS T1 RDNT MUX 24VDC RJ48C, IX-ACS-163R-24C
V .....	A30-0419-019.....	9,230.00 .....	ACS T1 RDNT MUX 48VDC RJ48C, IX-ACS-163R-48C
V .....	A30-0419-020.....	9,230.00 .....	ACS T1 RDNT MUX AC RJ48C, IX-ACS-163R-ACC
V .....	A30-0419-021.....	11,310.00 .....	ACS T1 RDNT DELAY MUX 24V RJ45, IX-ACS-163RTD-24C
V .....	A30-0419-022.....	11,310.00 .....	ACS T1 RDNT DELAY MUX 48V RJ45, IX-ACS-163RTD-48C
V .....	A30-0419-023.....	11,310.00 .....	ACS T1 RDNT DELAY MUX AC RJ45, IX-ACS-163RTD-ACC
V .....	A30-0419-024.....	5,850.00 .....	ACS T1 TIME DELAY MUX 24VDC RJ48C, IX-ACS-163TD-24C
V .....	A30-0419-025.....	5,850.00 .....	ACS T1 TIME DELAY MUX 48VDC RJ8C, IX-ACS-163TD-48C
V .....	A30-0419-026.....	5,850.00 .....	ACS T1 TIME DELAY MUX RJ8C AC, IX-ACS-163TD-ACC
V .....	A30-0419-027.....	7,020.00 .....	ACS T1 D&I MUX NO PS RJ48C 3RU
V .....	A30-0419-029.....	7,150.00 .....	ACS T1 D&I MUX 24VDC RJ48C, IX-ACS-165-24C
V .....	A30-0419-031.....	7,150.00 .....	ACS T1 D & I MUX 48VDC RJ48C, IX-ACS-165-48C
V .....	A30-0419-034.....	7,665.00 .....	ACS-T1 D&I MUX 100W AC RJ48C, IX-ACS-165-A1C
V .....	A30-0419-036.....	7,150.00 .....	ACS T1 D&I MUX AC RJ48C, IX-ACS-165-ACC
V .....	A30-0419-038.....	7,410.00 .....	ACS T1 DUAL MUX NO PS RJ48C
V .....	A30-0419-040.....	7,540.00 .....	ACS T1 DUAL MUX 24VDC RJ48C, IX-ACS-166-24C
V .....	A30-0419-042.....	7,540.00 .....	ACS T1 DUAL MUX 48VDC RJ48C, IX-ACS-166-48C
V .....	A30-0419-044.....	7,995.00 .....	ACS T1 DUAL MUX 100W AC RJ48C, IX-ACS-166-A1C
V .....	A30-0419-046.....	7,540.00 .....	ACS T1 DUAL MUX AC RJ48C, IX-ACS-166-ACC
V .....	A30-0419-048.....	15,465.00 .....	ACS T1 DUAL RDNT MUX 24VDC RJ48C, IX-ACS-166R-24C
V .....	A30-0419-049.....	15,465.00 .....	ACS T1 DUAL RDNT MUX 48VDC RJ48C, IX-ACS-166R-48C
V .....	A30-0419-050.....	15,465.00 .....	ACS T1 DUAL RDNT MUX, IX-ACS-166R-ACC
V .....	A30-0419-051.....	19,625.00 .....	DUAL RDNT DELAY MUX 48V RJ45, IX-ACS-166RTD-48C

**VENDOR PRODUCTS**

Product Code: IX

E/C	Model No.	List Price \$	Description
<b>Intraplex (Cont'd)</b>			
V.....	A30-0419-052 .....	8,710.00.....	ACS T1 TD DUAL MUX RJ45 48V, IX-ACS-166TD-48C
V.....	A30-0419-053 .....	8,710.00.....	ACS T1 TD DUAL MUX AC RJ48C, IX-ACS-166TD-ACC
V.....	A30-0419-055 .....	5,005.00.....	ACS T1 MUX SINGLE AC RJ48C, IX-ACS-167-ACC
V.....	A30-0419-057 .....	7,150.00.....	ACS T1 D & I MUX AC RJ48C, IX-ACS-168-ACC
V.....	A30-0419-060 .....	215.00.....	DOOR FOR 3RU ACCESS SERVER, IX-ACS-DOOR3
V.....	A30-0419-061 .....	2,990.00.....	ACS DUAL EMPTY SHELF 3RU, IX-ACS-DSHLF-3RU
V.....	A30-0419-062 .....	360.00.....	ACS DUAL AC POWER FEED, IX-ACS-OPT1
V.....	A30-0419-063 .....	3,055.00.....	ACS SHELF 1RU WITH 60W AC, IX-ACS-SHELF-1RU
V.....	A30-0419-064 .....	2,665.00.....	ACS EMPTY SHELF 3RU, IX-ACS-SHELF-3RU
V.....	A30-0419-065 .....	235.00.....	CABLE, RJ-11-DB-9 ADAPTER, IX-CA-201
V.....	A30-0419-066 .....	235.00.....	CABLE MA-235-1/-2 INTERCONNECT, IX-CA-202
V.....	A30-0419-067 .....	65.00.....	CABLE, CM-5/7 REDUNDANCY
V.....	A30-0419-224 .....	40.20.....	CABLE, BNC TO BNC 3 FT, IX-CA-415
V.....	A30-0419-226 .....	53.60.....	CABLE, RJ-48C NTKW 3FT, IX-CA-418
V.....	A30-0419-227 .....	40.20.....	CABLE RS232/RS485, IX-CA-419
V.....	A30-0419-228 .....	63.06.....	CABLE, RJ12-RJ12, IX-CA-420
V.....	A30-0419-070 .....	2,275.00.....	NETXPRESS LX IP COMMON MODULE, IX-CM-30
V.....	A30-0419-071 .....	6,295.00.....	CM-30 PACKAGE, IX-CM-30-PKG
V.....	A30-0419-072 .....	2,860.00.....	T1 LINE REDUNDANT COMMON MODULE, IX-CM-5RB
V.....	A30-0419-073 .....	4,030.00.....	T1 TIME DELAY REDUNDANT COMMON MODULE, IX-CM-5R-TD
V.....	A30-0419-074 .....	1,885.00.....	T1 DCS COMMON MODULE, IX-CM-95
V.....	A30-0419-075 .....	4,290.00.....	UNIVERSAL WIDEBAND DATA, IX-D-100
V.....	A30-0419-076 .....	1,870.00.....	ASYNCH DATA 4PORT 19.2 KBPS
V.....	A30-0419-077 .....	1,870.00.....	ASYNCH DATA 4PORT 38.4 KBPS
V.....	A30-0419-079 .....	2,590.00.....	T1 DCS SWITCH MODULE
V.....	A30-0419-083 .....	7,540.00.....	T1 DCS SYSTEM 3U 24VDC RJ48C, IX-DCS-9530-24C
V.....	A30-0419-085 .....	7,540.00.....	T1 DCS SYSTEM 3U 48VDC RJ48C, IX-DCS-9530-48C
V.....	A30-0419-087 .....	8,190.00.....	T1 DCS SYSTEM 3U AC130 RJ45, IX-DCS-9530-A1C
V.....	A30-0419-089 .....	7,540.00.....	T1 DCS SYSTEM 3U AC RJ48C, IX-DCS-9530-ACC



**VENDOR PRODUCTS**

Product Code: IX

E/C	Model No.	List Price \$	Description
<b>Intraplex (Cont'd)</b>			
V .....	A30-0419-090.....	7,410.20 .....	T1 DCS SERVER NO PS RJ48C, IX-DCS-9560-00C
V .....	A30-0419-092.....	9,750.00 .....	T1 DCS SERVER 24VDC RJ48C, IX-DCS-9560-24C
V .....	A30-0419-094.....	9,750.00 .....	T1 DCS SERVER 48VDC RJ48C, IX-DCS-9560-48C
V .....	A30-0419-096.....	10,270.00 .....	T1 DCS SERVER 100W AC RJ48C, IX-DCS-9560-A1C
V .....	A30-0419-098.....	9,750.00 .....	T1 DCS SERVER AC RJ48C
V .....	A30-0419-099.....	13,730.00 .....	TIME DELAY RDNT T1 DCSSRVR 48VDC RJ48C, IX-DCS-9560RTD48C
V .....	A30-0419-100.....	10,335.00 .....	TIME DELAY T1 DCSSRVR 24VDC RJ48C, IX-DCS-9560TD-24C
V .....	A30-0419-101.....	10,335.00 .....	TIME DELAY T1 DCSSRVR 48VDC RJ48C, IX-DCS-9560TD-48C
V .....	A30-0419-102.....	10,335.00 .....	TIME DELAY T1 DCSSRVR AC RJ48C, IX-DCS-9560TD-ACC
V .....	A30-0419-104.....	11,830.00 .....	T1 DCS DUAL SERVER 24VDC RJ48C, IX-DCS-9565-24C
V .....	A30-0419-106.....	11,830.00 .....	T1 DCS DUAL SERVER 48VDC RJ48C, IX-DCS-9565-48C
V .....	A30-0419-107.....	12,870.00 .....	T1 DCS DUAL SERVER 100W AC RJ48C, IX-DCS-9565-A1C
V .....	A30-0419-109.....	11,830.00 .....	T1 DCS DUAL SERVER AC RJ48C, IX-DCS-9565-ACC
V .....	A30-0419-110.....	215.00 .....	DOOR FOR 3RU CROSS-CONNECT, IX-DCS-DOOR3
V .....	A30-0419-111.....	650.00 .....	PROGRAM MAP FOR 1 DCS SERVER, IX-DCSMAP
V .....	A30-0419-112.....	360.00 .....	DCS DUAL AC POWER FEED, IX-DCS-OPT1
V .....	A30-0419-113.....	2,665.00 .....	DCS EMPTY SHELF 3RU, IX-DCS-SHELF-3RU
V .....	A30-0419-114.....	1,466.00 .....	SYNC DATA WIDEBAND
V .....	A30-0419-115.....	1,280.50 .....	FIVE PORT M/RATE RS-232, IX-DS-961DG
V .....	A30-0419-116.....	2,077.00 .....	SYNC DATA 5 PORT 10 CONTACTS
V .....	A30-0419-117.....	2,398.60 .....	DS-966A & MA-417A KIT, IX-DS-966A-MA-417A
V .....	A30-0419-120.....	4,940.00 .....	NETXPRESS LX 1RU SHELF, 60W AC, IX-LX-100-AC
V .....	A30-0419-121.....	4,940.00 .....	NETXPRESS LX 3RU SHELF, 24V DC, IX-LX-300-24
V .....	A30-0419-122.....	4,940.00 .....	NETXPRESS LX 3RU SHELF, 48V DC, IX-LX-300-48
V .....	A30-0419-123.....	5,330.00 .....	NETXPRESS LX 3RU SHELF, 100W AC, IX-LX-300-A1
V .....	A30-0419-124.....	4,940.00 .....	NETXPRESS LX 3RU SHELF, 60W AC, IX-LX-300-AC
V .....	A30-0419-125.....	415.00 .....	NTWK INT T1 100W CSU RJ48C
V .....	A30-0419-127.....	435.00 .....	NTWK INT E1 75 OHM BNC, IX-MA-217A
V .....	A30-0419-129.....	290.00 .....	NETXPRESS LX IP MODULE ADAPTER, IX-MA-230
V .....	A30-0419-130.....	630.00 .....	NTWK INT T1E1 R-PRIMARY RJ48C, IX-MA-235-1
V .....	A30-0419-131.....	800.00 .....	NTWK INT T1E1 R-BACKUP RJ48C, IX-MA-235-2
V .....	A30-0419-132.....	715.00 .....	MOD ADAPT CM-95/CM-95E 3RU, IX-MA-251A

**VENDOR PRODUCTS**

Product Code: IX

E/C	Model No.	List Price \$	Description
<b>Intraplex (Cont'd)</b>			
V.....	A30-0419-134 .....	380.00.....	DCS MA BNC PORT 1, 2, IX-MA-255B-1
V.....	A30-0419-135 .....	380.00.....	DCS MA BNC PORT 3, 4, IX-MA-255B-2
V.....	A30-0419-136 .....	380.00.....	DCS MA BNC PORT 5, 6, IX-MA-255B-3
V.....	A30-0419-137 .....	470.00.....	DCS MA RJ48C PORT 1, 2, 3, IX-MA-255C-1
V.....	A30-0419-138 .....	470.00.....	DCS MA RJ48C PORT 4, 5, 6, IX-MA-255C-2
V.....	A30-0419-139 .....	345.00.....	4CH VOICE INT 50 PIN
V.....	A30-0419-140 .....	195.00.....	2CH VOICE INT RJ11
V.....	A30-0419-141 .....	415.00.....	4CH 4W VOICE 50 PIN +V E&M
V.....	A30-0419-142 .....	415.00.....	4CH 4W VOICE 50 PIN TELCO E&M, IX-MA-305C
V.....	A30-0419-143 .....	415.00.....	ASSY W/MOD CONN RJ45, IX-MA-306C
V.....	A30-0419-145 .....	620.00.....	4PORT 2WIRE-4WIRE CONV, IX-MA-309C
V.....	A30-0419-146 .....	620.00.....	4 CH 2W TO 4W CONVERTER RJ45, IX-MA-310
V.....	A30-0419-147 .....	428.80.....	4CH 4W VOICE 50PIN FOR VF-40, IX-MA-311
V.....	A30-0419-148 .....	200.00.....	5 PORT RS232 INTERFACE
V.....	A30-0419-149 .....	345.00.....	RS449 DCE INTERFACE, IX-MA-412A
V.....	A30-0419-150 .....	385.00.....	V.35 DCE INTERFACE B, IX-MA-413B
V.....	A30-0419-152 .....	455.60.....	5 PORT RS232 W/CONTACTS
V.....	A30-0419-153 .....	230.00.....	4 PORT RS449 INT
V.....	A30-0419-157 .....	1,075.00.....	ENHANCED ETHERNET BRIDGE, IX-MA-428
V.....	A30-0419-160 .....	455.00.....	MA FOR SCM-1 MODULE
V.....	A30-0419-162 .....	390.00.....	SYNCHROCAST3 MOD ADAPTER, IX-MA-480
V.....	A30-0419-163 .....	155.00.....	PGM AUDIO INT ANA TERM ST
V.....	A30-0419-164 .....	290.00.....	2CH VOICE INT TERM ST, IX-MA-506
V.....	A30-0419-165 .....	260.00.....	50 PIN TELCO FOR DV-600A, IX-MA-507
V.....	A30-0419-166 .....	390.00.....	PGM AUD INT ANA&DIG XLR IN, IX-MA-508
V.....	A30-0419-167 .....	430.00.....	PGM AUD INT ANA&DIG XLR OUT, IX-MA-509
V.....	A30-0419-168 .....	430.00.....	PGM AUDIO INT DIG XLR IN, IX-MA-510
V.....	A30-0419-169 .....	430.00.....	PGM AUDIO INT DIG XLR OUT, IX-MA-511
V.....	A30-0419-172 .....	25.00.....	BLANK MA PANEL, 1 SLOT, IX-MA-PANEL-1
V.....	A30-0419-173 .....	25.00.....	BLANK MA PANEL, 2 SLOT, IX-MA-PANEL-2
V.....	A30-0419-174 .....	25.00.....	BLANK MA PANEL, 3 SLOT, IX-MA-PANEL-3

**VENDOR PRODUCTS**

Product Code: IX

E/C	Model No.	List Price \$	Description
<b>Intraplex (Cont'd)</b>			
V .....	A30-0419-195.....	1,625.00 .....	J.41 ANALOG PGM AUDIO DECODE, IX-PR-355C
V .....	A30-0419-196.....	1,645.00 .....	POWER SUPPLY Y-SERIES 100W AC, IX-PSY100AC
V .....	A30-0419-197.....	1,145.00 .....	POWER SUPPLY Y-SERIES 24V DC
V .....	A30-0419-198.....	1,145.00 .....	POWER SUPPLY Y-SERIES 48V DC
V .....	A30-0419-199.....	1,145.00 .....	POWER SUPPLY Y-SERIES 60W AC
V .....	A30-0419-200.....	1,625.00 .....	J.41 ANALOG PGM AUDIO ENCODE, IX-PT-355C
V .....	A30-0419-201.....	2,040.00 .....	SNMP CONTROL MODULE
V .....	A30-0419-202.....	2,335.00 .....	SNMP CONTROL MODULE WITH IP CONTROL, IX-SCMIP
V .....	A30-0419-203.....	5,625.00 .....	SYNCHROCAST3 CNTRL TIMING MOD, IX-SNC-101S
V .....	A30-0419-204.....	5,795.50 .....	SYNCHROCAST3 TX TIMING MOD, IX-SNC-101T
V .....	A30-0419-211.....	230.00 .....	SYNCHROCAST3 PRIMARY GPS CABLE, IX-SNC-SCS-8
V .....	A30-0419-212.....	230.00 .....	SYNCHROCAST3 ADD-ON GPS CABLE, IX-SNC-SCS-9
V .....	A30-0419-213.....	1,020.00 .....	2CH 2WIRE FXO VOICE
V .....	A30-0419-214.....	1,020.00 .....	2-CH 2-WIRE FXS VOIC
V .....	A30-0419-217.....	600.00 .....	4CH 4WIRE EM VOICE
V .....	A30-0419-218.....	1,360.00 .....	ADPCM 4CH 4W E&M VOICE
V .....	A30-0419-219.....	845.00 .....	4CH 4WIRE XMT VOICE
V .....	A30-0419-220.....	1,467.30 .....	ADPCM 4CH 4WTO VOICE
V .....	A30-0419-221.....	1,365.00 .....	4CH 4WIRE LOW FREQ E&M VOICE, IX-VF-40
V .....	A30-0419-232.....	2,860.00 .....	MODULE, E1 LINE REDUNDANT, IX-CM-7RB
V .....	A30-0419-236.....	600.00 .....	MODULE, 4 CHANNEL 4 WIRE E&M VOICE, E1

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