



FULLY EXECUTED

Contract Number: 4400016335

Original Contract Effective Date: 12/27/2016

Valid From: 01/01/2017 To: 12/31/2022

All using Agencies of the Commonwealth, Participating Political Subdivision, Authorities, Private Colleges and Universities

Purchasing Agent

Name: Hosler Raeden

Phone: 717-787-4103

Fax:

Your SAP Vendor Number with us: 379800

Supplier Name/Address:

FRECOM INC

P.O. Box 22

WEST GROVE PA 19390-0022 US

Please Deliver To:

To be determined at the time of the Purchase Order unless specified below.

Supplier Phone Number: 6108693307

Supplier Fax Number: 6108693422

Contract Name:

Two-Way Radio Equip/Serv - FRECOM Inc

Payment Terms

NET 30

Solicitation No.:

Issuance Date:

Supplier Bid or Proposal No. (if applicable):

Solicitation Submission Date:

This contract is comprised of: The above referenced Solicitation, the Supplier's Bid or Proposal, and any documents attached to this Contract or incorporated by reference.

Item	Material/Service Desc	Qty	UOM	Price	Per Unit	Total
2	Two-Way Radio Equipment	0.000		0.00	1	0.00
3	Two-Way Radio Services	0.000		0.00	1	0.00
4	Two-Way Radio Maintenance/Support	0.000		0.00	1	0.00

General Requirements for all Items:

Information:

Supplier's Signature _____

Title _____

Printed Name _____

Date _____



FULLY EXECUTED
Contract Number: 4400016335
Original Contract Effective Date: 12/27/2016
Valid From: 01/01/2017 To: 12/31/2022

Supplier Name:
FRECOM INC

Header Text

This contract is to be used from the procurement Two Way Radio Equipment, Services and Maintenance/Support Service. This contract is was awarded as part IFB 6100039075.

Commodity Specialist: John Weikle - 717-787-4103 - jweikle@pa.gov

7.6.2021 – Contract manager contact info has been updated to DGS commodity specialist Raeden Hosler. [rsh](#)

7.6.21 - Contract extended to 12.31.22 per EP 21630. [rsh](#)

No further information for this Contract

Information:



June 10, 2021

FRECOM INC
CHUCK FREESE

P.O. BOX 22
WEST GROVE PA 19390-0022

SUBJECT: Renewal of Contract: Two-Way Radio Equipment and Related Services
Contract Number: **4400016335**
Term of Renewal: **January 1, 2022 – December 31, 2022**

Dear Contractor:

Per an approved Emergency Purchase request, the Commonwealth is considering renewing this contract for an additional one (1) year term.

We are, therefore, requesting your concurrence to renew the above referenced Contract. If you agree to the renewal, please complete the bottom section of this letter and return it via e-mail to the e-mail address listed below no later than **June 30, 2021**.

If the Commonwealth renews the contract, the Bureau will issue a revised contract document to reflect the renewed contract period.

Thank you for your immediate response. If you have any questions, please feel free to contact me.

Raeden Hosler
(717) 787-4103

I agree to the renewal of the above referenced Contract for the above stated Term of Renewal.
All terms and conditions remain the same as in the current contract.

Yes No

Signature *Chuck Freese* Title *President*

Date *6/26/21*

(Person signing this renewal agreement must have the power to bind their company by their signature.)



FULLY EXECUTED

Contract Number: 4400016335

Original Contract Effective Date: 12/27/2016

Valid From: 01/01/2017 To: 12/31/2021

All using Agencies of the Commonwealth, Participating Political Subdivision, Authorities, Private Colleges and Universities

Purchasing Agent

Name: Weikle John

Phone: 717-787-4103

Fax: 717-783-6241

Your SAP Vendor Number with us: 379800

Supplier Name/Address:

FRECOM INC

P.O. Box 22

WEST GROVE PA 19390-0022 US

Please Deliver To:

To be determined at the time of the Purchase Order unless specified below.

Supplier Phone Number: 6108693307

Supplier Fax Number: 6108693422

Contract Name:

Two-Way Radio Equip/Serv - FRECOM Inc

Payment Terms

NET 30

Solicitation No.:

Issuance Date:

Supplier Bid or Proposal No. (if applicable):

Solicitation Submission Date:

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4	Two-Way Radio Maintenance/Support	0.000		0.00	1	0.00

General Requirements for all Items:

Header Text

This contract is to be used from the procurement Two Way Radio Equipment, Services and Maintenance/Support Service. This contract is was awarded as part IFB 6100039075.

Commodity Specialist: John Weikle - 717-787-4103 - jweikle@pa.gov

No further information for this Contract

Information:

Supplier's Signature _____

Title _____

Printed Name _____

Date _____



DATE: August 19, 2020

FRECOM INC
P.O. Box 22
WEST GROVE PA 19390-0022 US

SUBJECT: Renewal of Contract: Two-Way Radio Equipment and Related Services
Contract Number: **4400016335**
Term of Renewal: **January 1, 2021 – December 31, 2021**

Dear Contractor:

Per the terms of the above referenced contract, the Commonwealth is considering exercising the renewal options contained within the Contract.

We are, therefore, requesting your concurrence to renew the above referenced Contract. If you agree to the renewal, please complete the bottom section of this letter and return it via e-mail to the e-mail address listed below no later than **September 30, 2020**.

If the Commonwealth renews the contract, the Bureau will issue a revised contract document to reflect the renewed contract period.

Thank you for your immediate response. If you have any questions, please feel free to contact me.

John Weikle
(717) 787-4103
jweikle@pa.gov

I agree to the renewal of the above referenced Contract for the above stated Term of Renewal.
All terms and conditions remain the same as in the current contract.

Yes No

Signature  Title President

Date 9/14/2020

(Person signing this renewal agreement must have the power to bind their company by their signature.)



FULLY EXECUTED

Contract Number: 4400016335
Original Contract Effective Date: 12/27/2016
Valid From: 01/01/2017 To: 12/31/2020

All using Agencies of the Commonwealth, Participating Political
Subdivision, Authorities, Private Colleges and Universities

Purchasing Agent

Name: Schwartz Thomas
Phone: 717-346-3828
Fax: 717-783-6241

Your SAP Vendor Number with us: 379800

Supplier Name/Address:

FRECOM INC
P.O. Box 22
WEST GROVE PA 19390-0022 US

Supplier Phone Number: 6108693307

Supplier Fax Number: 6108693422

Please Deliver To:

To be determined at
the time of the Purchase Order
unless specified below.

Contract Name:

Two-Way Radio Equip/Serv - FRECOM Inc

Payment Terms

NET 30

Solicitation No.:

Issuance Date:

Supplier Bid or Proposal No. (if applicable):

Solicitation Submission Date:

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4	Two-Way Radio Maintenance/Support	0.000		0.00	1	0.00

General Requirements for all Items:

Header Text

This contract is to be used from the procurement Two Way Radio Equipment, Services and Maintenance/Support Service. This contract is was awarded as part IFB 6100039075.

Commodity Specialist: Thomas Schwartz - 717-346-3828 - thschwartz@pa.gov

No further information for this Contract

Information:

Supplier's Signature _____

Title _____

Printed Name _____

Date _____



DATE: August 5, 2019

FRECOM INC
P.O. Box 22
WEST GROVE PA 19390-0022 US

SUBJECT: Renewal of Contract: Two-Way Radio Equipment and Related Services
Contract Number: **4400016335**
Term of Renewal: **January 1, 2020 – December 31, 2020**

Dear Contractor:

Per the terms of the above referenced contract, the Commonwealth is considering exercising the renewal options contained within the Contract.

We are, therefore, requesting your concurrence to renew the above referenced Contract. If you agree to the renewal, please complete the bottom section of this letter and return it via e-mail to the e-mail address listed below no later than **September 30, 2019**.

If the Commonwealth renews the contract, the Bureau will issue a revised contract document to reflect the renewed contract period.

Thank you for your immediate response. If you have any questions, please feel free to contact me.

John Weikle
(717) 787-4103
jweikle@pa.gov

I agree to the renewal of the above referenced Contract for the above stated Term of Renewal.
All terms and conditions remain the same as in the current contract.

Yes No

Signature Charles A. Trice Title president

Date 9-11-19

(Person signing this renewal agreement must have the power to bind their company by their signature.)



FULLY EXECUTED

Contract Number: 4400016335
Original Contract Effective Date: 12/27/2016
Valid From: 01/01/2017 To: 12/31/2019

All using Agencies of the Commonwealth, Participating Political
Subdivision, Authorities, Private Colleges and Universities

Purchasing Agent

Name: VAC
Phone: 717-346-2670
Fax: 717-783-6241

Your SAP Vendor Number with us: 379800

Supplier Name/Address:

FRECOM INC
P.O. Box 22
WEST GROVE PA 19390-0022 US

Supplier Phone Number: 6108693307

Supplier Fax Number: 6108693422

Please Deliver To:

To be determined at
the time of the Purchase Order
unless specified below.

Contract Name:

Two-Way Radio Equip/Serv - FRECOM Inc

Payment Terms

NET 30

Solicitation No.:

Issuance Date:

Supplier Bid or Proposal No. (if applicable):

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General Requirements for all Items:

Header Text

This contract is to be used from the procurement Two Way Radio Equipment, Services and Maintenance/Support Service. This contract is was awarded as part IFB 6100039075.

Commodity Specialist: Thomas Schwartz - 717-346-3828 - thschwartz@pa.gov

No further information for this Contract

Information:

Supplier's Signature _____

Title _____

Printed Name _____

Date _____



ORIGINAL
QUOT - Invitation For Bid
Two-Way Radio Equipment & Services

Page 2 of 2

Supplier Name:
[FRECOM INC](#)

***** Attributes Page *****

Mandatory QUESTION #02 - Is the offer in accordance with the "Representations and Authorizations" listed in section "Submission – 001.1" of the attached solicitation document?

Response: Y

Mandatory QUESTION #01 - Has the submitter read, and does the submitter understand, the "Representations and Authorizations" listed in section "Submission – 001.1" of the attached solicitation document?

Response: Y

LOBBYING CERTIFICATION FORM

**Certification for Contracts, Grants, Loans, and
Cooperative Agreements**

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

(2) **If any** funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance is placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed under Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than **\$100,000** for such failure.

SIGNATURE: 

TITLE: President

DATE: 11/23/15

COSTARS PROGRAM ELECTION FORM

If awarded a Contract, our firm agrees to sell the awarded items/services at the same prices and/or discounts, and in accordance with the contractual terms and conditions, to registered COSTARS Members who elect to participate in the contract. Our firm also agrees to pay the applicable Administrative Fee (\$1500 or \$500 for a Department of General Services Certified Small Business) at the beginning of each contract year and upon each contract renewal date.

If you are a Department of General Services Certified Small Business, you must submit a copy of your active certification with your bid response.

FREECOM Inc.

Corporate or Legal Entity Name



11/23/16

Signature/Date

Charles A. Freese, pres.

Printed Name/Title

Dedicated Contacts

	Contact Name	Contact Email	Contact Phone
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OEM contact Hytera:	□□□□□□□ □□□□□	jason.kahane@hytera.us	□□□□□□□□□□□□



The advanced provider of professional wireless communication


November 23rd 2016

Reference: Commonwealth IFB 6100039075 for Two-Way Radio Equipment & Services

To whom it may concern:

This is to confirm that FreCom Inc. with offices in West Grove, Pa, has been a reseller and qualified channel partner for Hytera products since 2010. Their area of responsibility is Chester County and adjacent counties in Southeastern PA. In addition, Hytera has engineering and technical support to assist FreCom with its strategic customers in Pennsylvania.

Thank you for your interest in Hytera products and services. Please feel free to contact me with any additional questions you may have.



Jason Kahane – Sales Director



Frecom, Inc.
Mr. Chuck Freese
435 West Baltimore Pike
West Grove, PA 19390

November 23, 2016

Dear Chuck:

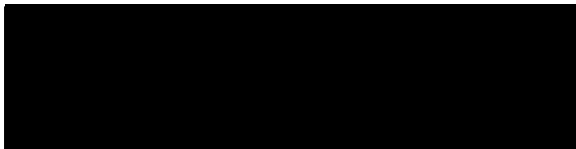
Ref: Commonwealth IFB 6100039075 for Two-Way Radio Equipment and Services

This letter serves as notification of Frecom, Inc. as an Authorized Vertex Standard Two Way Radio Dealer. You are free to use Vertex Standard's Authorized Dealer Logo to promote your business. Additionally, you are authorized to perform Warranty Service on Vertex Standard two way radios and to sell new Vertex Standard Equipment.

Wireless Solutions is the Master Distributor assigned by Vertex Standard to provide you with equipment and assistance as needed.

Thank you for your loyalty to Vertex Standard.

Regards,



Michael Gray
COO



2720 E. Phillips Rd.
Greer, SC 29650
Phone: 864-281-0217
Fax: 864-281-0311
& 888-828-0311

Price Book

Effective Date: 6/28/2016



Price Book is subject to change without notice.

Lista de Precios puede ser modificada sin notificación.

Reserva Preço sujeito a alteração sem aviso prévio.



Analog



Analog Portables

Reliable High-Quality Analog
Portable Radios



Analog Mobiles

Versatile Functions on
Mobiles



Analog Repeaters

Get More Power, Get More
Distance



Analog Portables



TC-320
Business Analog Portable
Radio



TC-500
Business Two-way Radio



TC-508
Commercial Analog Portable
Radio



TC-518
Professional Two-way Radio



TC-580
Professional Analog Portable
Radio



TC-610
Professional analog handheld
radio.



TC-610P
Professional Analog Portable
Radio



TC-700
Professional Analog Portable
Radio


















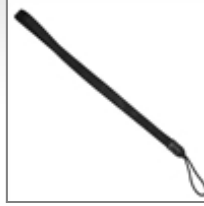







TC-780
Professional Analog Portable
Radio



TC-320



Code	Item	USA-Canada Dealer	MSRP
TC-320U-1-B10	Buy 10 - Portable Radio UHF 400-470 MHz RDA (STD Antenna 450-470mhz)	\$690.00	\$1,490.00
AN0410H10	AN0435H10	AN0460H11	BC16
			
USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$3.52 MSRP \$5.87
UHF stubby R connector 400-420MHz TC320	UHF STUBBY R CONNECTOR 420-450MHz PRS (RoHS) TC320 SPECIAL ORDER ITEM	UHF stubby R connector 450-470MHz TC-310 OBR TC-320	BELT CLIP TC-310 OBR, TC320 HYT BRANDED (CLIP only-screws sold separately-HYT-7125006000000)
BL1715	CH05L01	EAM1320	EAM1325
			
USA-Canada Dealer \$14.08 MSRP \$23.51	USA-Canada Dealer \$8.80 MSRP \$14.67	USA-Canada Dealer \$23.88 MSRP \$39.80	USA-Canada Dealer \$16.24 MSRP \$27.07

Battery Li-ion Battery (1700mAh) TC320 BATTERY ONLY	Rapid-Rate Charger (Base Only)	EARPIECE SURVEILLANCE LAPEL MIC SINGLE WIRE WITH IN LINE PTT SINGLE R/A PIN	EARPIECE EARHOOK LAPEL MIC SINGLE WIRE WITH IN LINE PTT SINGLE R/A PIN
EHS09 	EHS12 	EHS13 	HY1010-3BP 
USA-Canada Dealer \$7.92 MSRP \$13.20	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$5.14 MSRP \$8.57	USA-Canada Dealer \$15.70 MSRP \$26.17
Conventional Earpiece with PTT and VOX	Conventional Earpiece with In-Line PTT	Earpiece with inline PTT/mic and VOX w/set screw	HARD LEATHER CARRYING CASE SWIVEL CLIP BLACK TC-310 OBR, TC-320
HYT-PS0601 	HYT-PS0602 	LCBN13 	NCN004 
USA-Canada Dealer \$7.92 MSRP \$13.20	USA-Canada Dealer \$7.92 MSRP \$13.20	USA-Canada Dealer \$26.14 MSRP \$43.57	USA-Canada Dealer \$7.92 MSRP \$13.20
Transformer TC320 Euro Standard plug	Transformer TC-310 OBR, TC-320 US Standard plug	Universal Nylon Chest Pack for Portable- Black (ROHS)	Carry Strap Wrist holder/carrier - Nylon
PC30 	PCN003 	POA18 	PS4001 
USA-Canada Dealer \$26.40 MSRP \$42.90	USA-Canada Dealer \$8.80 MSRP \$14.67	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$52.80 MSRP \$88.00
Programming Cable PL2303 USB TC- 310 OBR, TC-320	CARRYING CASE (NON-SWIVEL) BLACK TC-320 PU	REMOTE RING PTT SWITCH	Six Port Switching Power Suply TC- 310 OBR, TC-320 US Plug
PV1001 	RO01 	TC-320-EW2 	
USA-Canada Dealer \$14.08 MSRP \$23.47	USA-Canada Dealer \$0.78 MSRP \$1.30	USA-Canada Dealer \$15.00 MSRP \$22.00	

VEHICLE POWER ADAPTER









Nylon Neck Strap

















Extended 2nd Year Warranty
Available at Point of Purchase.



TC-500



Code	Item		USA-Canada Dealer	MSRP
TC-500-V(2)	PORTABLE RADIO VHF 150-174 MHz 16CH 3.5W 110V/230V Transformers		\$89.00	\$209.00
AN0143H04	AN0160H01	AN0160H14	AN0410W04	
				
USA-Canada Dealer \$7.04	USA-Canada Dealer \$7.04	USA-Canada Dealer \$7.04	USA-Canada Dealer \$6.00	
MSRP \$11.73	MSRP \$11.73	MSRP \$11.73	MSRP \$10.00	
VHF Stout - Long Antenna SMA 136-150 MHz BLUE BAND	VHF Stubby antenna - SMA connector 145-175 MHz	Antenna VHF SMA Connector 146-174MHz	UHF Fine - Long Antenna - SMA Connector 400-420 MHz TC-500	
AN0415W02	AN0415W08	AN0445H03	AN0460H03	
				
USA-Canada Dealer \$7.04	USA-Canada Dealer \$7.04	USA-Canada Dealer \$7.04	USA-Canada Dealer \$7.04	
MSRP \$11.73	MSRP \$11.73	MSRP \$11.73	MSRP \$11.73	

UHF Fine - Long Antenna - SMA Connector 400-430 MHz	UHF Fine - Long Antenna - SMA Connector 400-430 MHz	UHF Stubby Antenna - SMA Connector 420-470 MHz	UHF Antenna - SMA Connector 450- 470 MHz TC-500
AN0460W08 	AN0460W19 	BC10 	BH1104 
USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$3.52 MSRP \$5.87	USA-Canada Dealer \$17.60 MSRP \$29.39
UHF Fine - Long Antenna - SMA Connector 450-470 MHz	UHF Long and fine antenna SMA connector 440-470MHz PRS AN0460W19(RoHS)	BELT CLIP METAL SPRING ASSY FOR TC-500	Battery Ni-MH 1100 mAh 6.V TC- 500
CH05N03-PS1014 	CHV09 	CP02 	EAM08 
USA-Canada Dealer \$19.36 MSRP \$32.27	USA-Canada Dealer \$38.22 MSRP \$63.70	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$15.84 MSRP \$26.40
MCU Rapid-Rate Charger 12VDC 1A 850mA	Vehicle Charger Adapter 11-25V DC 12V/1A DC	Cloning Cable (FZX-6) TC-500 TC- 600 TC-1600 TC-6x0	Surveillance Earpiece with On-Mic PTT and Transparent Acoustic Tube
EHM04 	EHM15 	ESM08 	ESS01 
USA-Canada Dealer \$5.28 MSRP \$8.80	USA-Canada Dealer \$15.84 MSRP \$26.40	USA-Canada Dealer \$12.32 MSRP \$20.53	USA-Canada Dealer \$3.52 MSRP \$5.87
Conventional Earpiece with in-line mic	D-Earset In-Line Microphone PTT and VOX	Earbud with On-Mic PTT and Volume Control	Receive-only Earpiece
ESS07 	HYT-PS7501 	LCBN13 	LCBN43 
USA-Canada Dealer \$5.28 MSRP \$8.80	USA-Canada Dealer \$72.16 MSRP \$120.27	USA-Canada Dealer \$26.14 MSRP \$43.57	USA-Canada Dealer \$26.40 MSRP \$44.00
Receive-Only Earbud for Remote Speaker Mic Use Only	Power adapter switching MCU MCN05/MCA02/MCA03/MC08/MCL15	Universal Nylon Chest Pack for Portable- Black (ROHS)	Leather Carrying Case - Swivel TC- 500
LCYY02	MCN05	NCN001	NCN004



USA-Canada Dealer \$6.68
MSRP \$11.13

Waterproof Bag



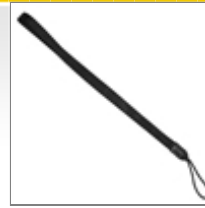
USA-Canada Dealer \$246.40
MSRP \$279.00

Rapid multi-charger MCU NiCd Ni-MH
TC-500



USA-Canada Dealer \$8.80
MSRP \$14.67

Carrying Case OPEN FACE (nylon)
(non-swivel) (black)



USA-Canada Dealer \$7.92
MSRP \$13.20

Carry Strap Wrist holder/carrier -
Nylon

PC08



USA-Canada Dealer \$52.80
MSRP \$85.80

Universal Programming Cable

PC19



USA-Canada Dealer \$10.56
MSRP \$17.16

Programming Cable RS232 (COM
Port) (Analog)

PC26



USA-Canada Dealer \$26.40
MSRP \$42.90

Programming Cable PL2303 USB
(Analog Radios)

PS7002



USA-Canada Dealer \$104.14
MSRP \$173.57

SIX UNIT SWITCHING POWER
SUPPLY 100-240VAC 12VDC 7A
(ROHS)

RO03



USA-Canada Dealer \$3.52
MSRP \$5.87

Nylon Hand Strap

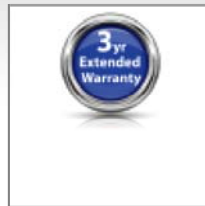
SM08M2



USA-Canada Dealer \$21.12
MSRP \$35.20

Remote Speaker Microphone
(without screw)

TC-500-EW3



USA-Canada Dealer \$15.00
MSRP \$22.00





Extended 3rd Year Warranty
Available at Point of Purchase.
Standard Warranty Policies and
Procedures



TC-508



Code	Item	USA-Canada Dealer	MSRP
TC-508-U1	PORTABLE RADIO UHF 400-470 MHz 16CH 4W/2W IP54 1650mAh LI-ION STD ANTENNA 450-470MHZ	\$99.00	\$220.00
TC-508-V2	PORTABLE RADIO VHF 146-174 MHz 16CH 5W/2W IP54 1650mAh LI-ION	\$99.00	\$220.00





AN0160H01	AN0160H14	AN0415W02	AN0415W08
			
USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73
















VHF Stubby antenna - SMA connector 145-175 MHz









Antenna VHF SMA Connector 146-174MHz

UHF Fine - Long Antenna - SMA Connector 400-430 MHz

UHF Fine - Long Antenna - SMA Connector 400-430 MHz

AN0445H03	AN0460W08	AN0460W19	BC08
			

USA-Canada Dealer MSRP	\$7.04 \$11.73	USA-Canada Dealer MSRP	\$7.04 \$11.73	USA-Canada Dealer MSRP	\$7.04 \$11.73	USA-Canada Dealer MSRP	\$3.52 \$5.87
UHF Stubby Antenna - SMA Connector 420-470 MHz		UHF Fine - Long Antenna - SMA Connector 450-470 MHz		UHF Long and fine antenna SMA connector 440-470MHz PRS AN0460W19(RoHS)		Belt Clip Only- Mounting screws sold seperately-HYT-7103007500000	
BC12 		BL1719 		BL2407 		CH10L19-PS1014 	
USA-Canada Dealer MSRP	\$3.52 \$5.87	USA-Canada Dealer MSRP	\$32.56 \$54.38	USA-Canada Dealer MSRP	\$42.24 \$70.54	USA-Canada Dealer MSRP	\$19.36 \$32.27
Spring Belt Clip (Uses screws HYT-7103006004000 not included)		Battery Li-Ion 1650mAh		Battery Li-Ion 2400mAh		Rapid-Rate Charger and Transformer TC508 TC518 OBR TC580	
CHV09 		EAM12 		EHM15 		ESM12 	
USA-Canada Dealer MSRP	\$38.22 \$63.70	USA-Canada Dealer MSRP	\$19.12 \$31.87	USA-Canada Dealer MSRP	\$15.84 \$26.40	USA-Canada Dealer MSRP	\$12.32 \$20.53
Vehicle Charger Adapter 11-25V DC 12V/1A DC		Surveillance Earpiece with On-Mic PTT and Transparent Acoustic Tube VOX		D-Earset In-Line Microphone PTT and VOX		Earbud with On-Mic PTT and VOX	
ESS07 		HY2000-3BP Image Not Available		HYT-PS7501 		LCBN13 	
USA-Canada Dealer MSRP	\$5.28 \$8.80	USA-Canada Dealer MSRP	\$23.34 \$38.90	USA-Canada Dealer MSRP	\$72.16 \$120.27	USA-Canada Dealer MSRP	\$26.14 \$43.57
Receive-Only Earbud for Remote Speaker Mic Use Only		HARD LEATHER CASE SWIVEL CLIP BLACK TC508		Power adapter switching MCU MCN05/MCA02/MCA03/MC08/MCL15		Universal Nylon Chest Pack for Portable- Black (ROHS)	
LCYY02 		MCL15 		NCN001 		NCN004 	
USA-Canada Dealer	\$6.68	USA-Canada Dealer	\$199.00	USA-Canada Dealer	\$8.80	USA-Canada Dealer	\$7.92

MSRP	\$11.13	MSRP	\$279.00	MSRP	\$14.67	MSRP	\$13.20
Waterproof Bag		Rapid-Rate Multi Unit Charger NiMH Li-Ion TC508 TC518 TC580		Carrying Case OPEN FACE (nylon) (non-swivel) (black)		Carry Strap Wrist holder/carrier - Nylon	
PC08		PC26		POA02		PS7002	
							
USA-Canada Dealer	\$52.80	USA-Canada Dealer	\$26.40	USA-Canada Dealer	\$5.28	USA-Canada Dealer	\$104.14
MSRP	\$85.80	MSRP	\$42.90	MSRP	\$8.80	MSRP	\$173.57
Universal Programming Cable		Programming Cable PL2303 USB (Analog Radios)		REPLACEMENT EARPIECE PART WITH TRANSPARENT ACOUSTIC TUBE KIT		SIX UNIT SWITCHING POWER SUPPLY 100-240VAC 12VDC 7A (ROHS)	
RO03		SM08M3		SM13M1		TC-508-EW3	
							
USA-Canada Dealer	\$3.52	USA-Canada Dealer	\$21.12	USA-Canada Dealer	\$49.28	USA-Canada Dealer	\$15.00
MSRP	\$5.87	MSRP	\$35.20	MSRP	\$82.13	MSRP	\$22.00
Nylon Hand Strap		Remote Speaker Microphone (with screw) IP54		Remote Speaker Microphone IP55		Extended 3rd Year Warranty Available at Point of Purchase. Standard Warranty Policies and Procedures	



TC-518



















Code	Item	USA-Canada Dealer	MSRP
TC-518U-1	PORTABLE RADIO UHF 400-470MHZ 16CH 4/2W DTMF CTCSCC DCS 1650mAh LI-ION RAPID CHARGER	\$115.00	\$229.00
TC-518V	PORTABLE RADIO VHF 136-174MHZ 16CH 5/2W DTMF CTCSCC DCS 1650mAh LI-ION RAPID CHARGER	\$115.00	\$229.00
TC-518V-RFB	PORTABLE RADIO VHF 136-174MHZ 16CH 5/2W DTMF CTCSCC DCS 1650mAh LI-ION 1 YEAR WARRANTY	\$115.00	\$229.00

AN0143H04		AN0160H14		AN0380H01		AN0445H03	
USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04
MSRP	\$11.73	MSRP	\$11.73	MSRP	\$11.73	MSRP	\$11.73

VHF Stout - Long Antenna SMA 136-150 MHz BLUE BAND	Antenna VHF SMA Connector 146-174MHz	UHF STUBBY ANTENNA 370-390MHZ SMA CONNECTOR	UHF Stubby Antenna - SMA Connector 420-470 MHz
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AN0460W08	AN0460W19	BC12	BL1719
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USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$3.52 MSRP \$5.87	USA-Canada Dealer \$32.56 MSRP \$54.38
UHF Fine - Long Antenna - SMA Connector 450-470 MHz	UHF Long and fine antenna SMA connector 440-470MHz PRS AN0460W19(RoHS)	Spring Belt Clip (Uses screws HYT-7103006004000 not included)	Battery Li-Ion 1650mAh
BL2407 	CH10L19-PS1014 	CHV09 	EAM12 
USA-Canada Dealer \$42.24 MSRP \$70.54	USA-Canada Dealer \$19.36 MSRP \$32.27	USA-Canada Dealer \$38.22 MSRP \$63.70	USA-Canada Dealer \$19.12 MSRP \$31.87
Battery Li-Ion 2400mAh	Rapid-Rate Charger and Transformer TC508 TC518 OBR TC580	Vehicle Charger Adapter 11-25V DC 12V/1A DC	Surveillance Earpiece with On-Mic PTT and Transparent Acoustic Tube VOX
EAM13 	EHM15 	ESM12 	ESS07 
USA-Canada Dealer \$19.50 MSRP \$32.50	USA-Canada Dealer \$15.84 MSRP \$26.40	USA-Canada Dealer \$12.32 MSRP \$20.53	USA-Canada Dealer \$5.28 MSRP \$8.80
Surveillance Earpiece 2-Wire with Transparent Tube, PTT and VOX	D-Earset In-Line Microphone PTT and VOX	Earbud with On-Mic PTT and VOX	Receive-Only Earbud for Remote Speaker Mic Use Only
HY1015-30C KIT 	HYT-PS1014 	HYT-PS7501 	LCBN13 
USA-Canada Dealer \$27.10 MSRP \$45.17	USA-Canada Dealer \$10.56 MSRP \$17.60	USA-Canada Dealer \$72.16 MSRP \$120.27	USA-Canada Dealer \$26.14 MSRP \$43.57
LEATHER CARRYING CASE (NON-SWIVEL) BELT CLIP BLACK TC-518	POWER ADAPTER 110-240VAC US STD PLUG	Power adapter switching MCU MCN05/MCA02/MCA03/MC08/MCL15	Universal Nylon Chest Pack for Portable- Black (ROHS)
LCYY02	MCL15	NCN004	PC19



USA-Canada Dealer \$6.68
MSRP \$11.13

Waterproof Bag



USA-Canada Dealer \$199.00
MSRP \$279.00

Rapid-Rate Multi Unit Charger NiMH
Li-Ion TC508 TC518 TC580



USA-Canada Dealer \$7.92
MSRP \$13.20

Carry Strap Wrist holder/carrier -
Nylon



USA-Canada Dealer \$10.56
MSRP \$17.16

Programming Cable RS232 (COM
Port) (Analog)

PC26



USA-Canada Dealer \$26.40
MSRP \$42.90

Programming Cable PL2303 USB
(Analog Radios)

PS7002



USA-Canada Dealer \$104.14
MSRP \$173.57

SIX UNIT SWITCHING POWER
SUPPLY 100-240VAC 12VDC 7A
(ROHS)

RO03



USA-Canada Dealer \$3.52
MSRP \$5.87

Nylon Hand Strap

SM08M3



USA-Canada Dealer \$21.12
MSRP \$35.20

Remote Speaker Microphone (with
screw) IP54

SM13M1



USA-Canada Dealer \$49.28
MSRP \$82.13

Remote Speaker Microphone IP55

SPM-2100-H3



USA-Canada Dealer \$52.00
MSRP \$86.67

Remote Speaker Microphone IP56

SPM-2103S



USA-Canada Dealer \$52.00
MSRP \$86.67

Remote Speaker Microphone IP56

TC-518-EW3



USA-Canada Dealer \$15.00
MSRP \$22.00

Extended 3rd Year Warranty
Available at Point of Purchase.
Standard Warranty Policies and
Procedures



TC-580







Code	Item	USA-Canada Dealer	MSRP
TC-580U-1	PORTABLE RADIO UHF 400-470MHZ 256CH 4W/1W 32 ZONE 25 /12.5 KHz DISP KEYPAD DTMF PTT ID 1650 Li-Ion	\$119.00	\$299.00
TC-580U-1-RFB	PORTABLE RADIO UHF 400-470MHZ 256CH 4W/1W 25 /12.5 KHz DISP KPAD DTMF PTT ID MIL SPEC REFURB 1YR W	\$119.00	\$299.00
TC-580V	PORTABLE RADIO VHF 136-174MHZ 256CH 5W/1W 32 ZONE 25 /12.5 KHz DISP KEYPAD DTMF PTT ID 1650 Li-Ion	\$119.00	\$299.00

AN0143H04		AN0160H14		AN0380H01		AN0445H03	
							
USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04
MSRP	\$11.73	MSRP	\$11.73	MSRP	\$11.73	MSRP	\$11.73

VHF Stout - Long Antenna SMA 136-150 MHz BLUE BAND	Antenna VHF SMA Connector 146-174MHz	UHF STUBBY ANTENNA 370-390MHZ SMA CONNECTOR	UHF Stubby Antenna - SMA Connector 420-470 MHz
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AN0460W08	AN0460W19	BC12	BL1719
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USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$3.52 MSRP \$5.87	USA-Canada Dealer \$32.56 MSRP \$54.38

UHF Fine - Long Antenna - SMA Connector 450-470 MHz

UHF Long and fine antenna SMA connector 440-470MHz PRS AN0460W19(RoHS)

Spring Belt Clip (Uses screws HYT-7103006004000 not included)

Battery Li-Ion 1650mAh

BL2407 	CH10L19-PS1014 	CHV09 	EAM12 
USA-Canada Dealer \$42.24 MSRP \$70.54	USA-Canada Dealer \$19.36 MSRP \$32.27	USA-Canada Dealer \$38.22 MSRP \$63.70	USA-Canada Dealer \$19.12 MSRP \$31.87

Battery Li-Ion 2400mAh

Rapid-Rate Charger and Transformer TC508 TC518 OBR TC580

Vehicle Charger Adapter 11-25V DC 12V/1A DC

Surveillance Earpiece with On-Mic PTT and Transparent Acoustic Tube VOX

EHM15 	ESM12 	ESS07 	HYT-PS7501 
USA-Canada Dealer \$15.84 MSRP \$26.40	USA-Canada Dealer \$12.32 MSRP \$20.53	USA-Canada Dealer \$5.28 MSRP \$8.80	USA-Canada Dealer \$72.16 MSRP \$120.27

D-Earset In-Line Microphone PTT and VOX

Earbud with On-Mic PTT and VOX

Receive-Only Earbud for Remote Speaker Mic Use Only

Power adapter switching MCU MCN05/MCA02/MCA03/MC08/MCL15

LCBN13 	LCYY02 	MCL15 	PC19 
USA-Canada Dealer \$26.14 MSRP \$43.57	USA-Canada Dealer \$6.68 MSRP \$11.13	USA-Canada Dealer \$199.00 MSRP \$279.00	USA-Canada Dealer \$10.56 MSRP \$17.16

Universal Nylon Chest Pack for Portable- Black (ROHS)

Waterproof Bag

Rapid-Rate Multi Unit Charger NiMH Li-Ion TC508 TC518 TC580

Programming Cable RS232 (COM Port) (Analog)

PC26	PS7002	RO03	SM08M3
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USA-Canada Dealer \$26.40
MSRP \$42.90



USA-Canada Dealer \$104.14
MSRP \$173.57



USA-Canada Dealer \$3.52
MSRP \$5.87



USA-Canada Dealer \$21.12
MSRP \$35.20

Programming Cable PL2303 USB
(Analog Radios)

SIX UNIT SWITCHING POWER
SUPPLY 100-240VAC 12VDC 7A
(ROHS)

Nylon Hand Strap

Remote Speaker Microphone (with
screw) IP54

SM13M1



USA-Canada Dealer \$49.28
MSRP \$82.13

TC-580-EW3



USA-Canada Dealer \$15.00
MSRP \$22.00

Remote Speaker Microphone IP55

Extended 3rd Year Warranty
Available at Point of Purchase.
Standard Warranty Policies and
Procedures







TC-610



Code	Item	USA-Canada Dealer	MSRP
TC-610U-2	PORTABLE RADIO-YELLOW- UHF 450-470MHz 16CH 2/5W 2000mAh	\$149.00	\$329.00
TC-610U-2-BLK	PORTABLE RADIO-BLACK- UHF 450-470MHz 16CH 2/5W 200mAh	\$149.00	\$329.00
TC-610V-2	PORTABLE RADIO-YELLOW- VHF 136-174 MHz 16CH 2/5W 2000mAh	\$149.00	\$329.00
TC-610V-2-BLK	PORTABLE RADIO-BLACK VHF 136-174 MHz 16CH 2/5W BLACK 2000mAh	\$149.00	\$329.00

AN0143H04		AN0160H14		AN0380H01		AN0415H02	
USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04
MSRP	\$11.73	MSRP	\$11.73	MSRP	\$11.73	MSRP	\$11.73
VHF Stout - Long Antenna SMA 136-150 MHz BLUE BAND		Antenna VHF SMA Connector 146-174MHz		UHF STUBBY ANTENNA 370-390MHZ SMA CONNECTOR		UHF Stubby Antenna - SMA Connector 400-430 MHz	

AN0415W02	AN0415W08	AN0445H03	AN0460W08

			
USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73

UHF Fine - Long Antenna - SMA Connector 400-430 MHz

UHF Fine - Long Antenna - SMA Connector 400-430 MHz

UHF Stubby Antenna - SMA Connector 420-470 MHz

UHF Fine - Long Antenna - SMA Connector 450-470 MHz

AN0460W19 	AN0465H03 	BC08 	BC12 
USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$3.52 MSRP \$5.87	USA-Canada Dealer \$3.52 MSRP \$5.87

UHF Long and fine antenna SMA connector 440-470MHz PRS AN0460W19(RoHS)

UHF Stubby Antenna - SMA Connector 440-490 MHz

Belt Clip Only- Mounting screws sold seperately-HYT-710300750000

Spring Belt Clip (Uses screws HYT-7103006004000 not included)

BL1204 	BL2001 	CH10A03-PS1014 	CHV09 
USA-Canada Dealer \$28.16 MSRP \$47.03	USA-Canada Dealer \$44.00 MSRP \$73.48	USA-Canada Dealer \$22.88 MSRP \$38.13	USA-Canada Dealer \$38.22 MSRP \$63.70

Battery Li-Ion 1200 mAh 7.4V

Battery 2000 mAh Li-Ion 7.4 V TC610 TC610P

Desktop Rapid-Rate Charger 12VDC 1A 850mA

Vehicle Charger Adapter 11-25V DC 12V/1A DC

CP02 	CP05 	EAM12 	EAM13 
USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$19.12 MSRP \$31.87	USA-Canada Dealer \$19.50 MSRP \$32.50





Cloning Cable (FZX-6) TC-500 TC-600 TC-1600 TC-6x0

Cloning Cable TC-700 TC-6x0

Surveillance Earpiece with On-Mic PTT and Transparent Acoustic Tube VOX

Surveillance Earpiece 2-Wire with Transparent Tube, PTT and VOX

EHM15	ESM12	ESS07	HY1080-3BW
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USA-Canada Dealer \$15.84 MSRP \$26.40	USA-Canada Dealer \$12.32 MSRP \$20.53	USA-Canada Dealer \$5.28 MSRP \$8.80	USA-Canada Dealer \$27.84 MSRP \$46.40

D-Earset In-Line Microphone PTT and VOX

Earbud with On-Mic PTT and VOX

Receive-Only Earbud for Remote Speaker Mic Use Only

HARD LEATHER CARRYING CASE SWIVEL CLIP BLACK TC-610/610P

HYT-PS7501 	LCBN13 	LCYY02 	MCA02 
USA-Canada Dealer \$72.16 MSRP \$120.27	USA-Canada Dealer \$26.14 MSRP \$43.57	USA-Canada Dealer \$6.68 MSRP \$11.13	USA-Canada Dealer \$211.20 MSRP \$279.00

Power adapter switching MCU MCN05/MCA02/MCA03/MC08/MCL15

Universal Nylon Chest Pack for Portable- Black (ROHS)

Waterproof Bag

Rapid-Rate Multi Unit Charger



NCN001 	NCN004 	PC08 	PC19 
USA-Canada Dealer \$8.80 MSRP \$14.67	USA-Canada Dealer \$7.92 MSRP \$13.20	USA-Canada Dealer \$52.80 MSRP \$85.80	USA-Canada Dealer \$10.56 MSRP \$17.16

Carrying Case OPEN FACE (nylon) (non-swivel) (black)

Carry Strap Wrist holder/carrier - Nylon

Universal Programming Cable

Programming Cable RS232 (COM Port) (Analog)

PC26 	PS7002 	RO03 	SM08M3 
USA-Canada Dealer \$26.40 MSRP \$42.90	USA-Canada Dealer \$104.14 MSRP \$173.57	USA-Canada Dealer \$3.52 MSRP \$5.87	USA-Canada Dealer \$21.12 MSRP \$35.20

Programming Cable PL2303 USB (Analog Radios)

SIX UNIT SWITCHING POWER SUPPLY 100-240VAC 12VDC 7A (ROHS)

Nylon Hand Strap

Remote Speaker Microphone (with screw) IP54

SM13M1	SPM-2100-H3	SPM-2103S	TC-610-EW3
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USA-Canada Dealer \$49.28
MSRP \$82.13

Remote Speaker Microphone IP55



USA-Canada Dealer \$52.00
MSRP \$86.67

Remote Speaker Microphone IP56



USA-Canada Dealer \$52.00
MSRP \$86.67

Remote Speaker Microphone IP56



USA-Canada Dealer \$15.00
MSRP \$22.00

Extended 3rd Year Warranty
Available at Point of Purchase.
Standard Warranty Policies and
Procedures

ZZ3100



USA-Canada Dealer \$13.60
MSRP \$22.67

REPLACEMENT SWIVER BELT CLIP







TC-610P



Code	Item	USA-Canada Dealer	MSRP
TC-610P-2TONE-U2	PORTABLE RADIO TWO-TONE UHF 450-470MHz 16CH 2/5W 2000mAh	\$164.00	\$349.00
TC-610P-2TONE-V2	PORTABLE RADIO TWO TONE VHF 136-174 MHz 16CH 2/5W 2000mAH Battery	\$164.00	\$349.00
TC-610P-HDC-U2	PORTABLE RADIO HDC1200 UHF 450-470MHz 16CH 2/5W 2000mAH Battery	\$164.00	\$349.00
TC-610P-HDC-V2	PORTABLE RADIO HDC1200 VHF 136-174 MHz 16CH 2/5W 2000mAH	\$164.00	\$349.00

AN0143H04		AN0160H14		AN0445H03		AN0445W04	
							
USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04
MSRP	\$11.73	MSRP	\$11.73	MSRP	\$11.73	MSRP	\$11.73
VHF Stout - Long Antenna SMA 136-150 MHz BLUE BAND		Antenna VHF SMA Connector 146-174MHz		UHF Stubby Antenna - SMA Connector 420-470 MHz		UHF Fine - Long Antenna - SMA Connector 420-470 MHz-Red Band TC-700	

AN0460W08	AN0460W19	AN0495W04	BC08
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USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$3.52 MSRP \$5.87

UHF Fine - Long Antenna - SMA Connector 450-470 MHz

UHF Long and fine antenna SMA connector 440-470MHz PRS AN0460W19(RoHS)

UHF Fine - Long Antenna - SMA 470-520MHz PRS AN0495W04 (RoHS)

Belt Clip Only- Mounting screws sold separately-HYT-710300750000





BC12 	BL1204 	BL2001 	CH10A03-PS1014 
USA-Canada Dealer \$3.52 MSRP \$5.87	USA-Canada Dealer \$28.16 MSRP \$47.03	USA-Canada Dealer \$44.00 MSRP \$73.48	USA-Canada Dealer \$22.88 MSRP \$38.13

Spring Belt Clip (Uses screws HYT-7103006004000 not included)

Battery Li-Ion 1200 mAh 7.4V

Battery 2000 mAh Li-Ion 7.4 V TC610 TC610P

Desktop Rapid-Rate Charger 12VDC 1A 850mA



CHV09 	EAN02 	EAN04 	EAN06 
USA-Canada Dealer \$38.22 MSRP \$63.70	USA-Canada Dealer \$21.12 MSRP \$35.20	USA-Canada Dealer \$21.12 MSRP \$35.20	USA-Canada Dealer \$21.12 MSRP \$35.20

Vehicle Charger Adapter 11-25V DC 12V/1A DC

Surveillance Earpiece 3-Wire with VOX and Transparent Acoustic Tube (Black)

Surveillance Earpiece with On-Mic PTT and Transparent Acoustic Tube

Surveillance Earpiece 3-Wire with VOX and Transparent Acoustic Tube (Beige)

EAN07 	EHN07 	ESN06 	ESS07 
USA-Canada Dealer \$21.12 MSRP \$35.20	USA-Canada Dealer \$19.36 MSRP \$32.27	USA-Canada Dealer \$19.36 MSRP \$32.27	USA-Canada Dealer \$5.28 MSRP \$8.80

Surveillance Earpiece 2-Wire with Transparent Tube, Volume Control, PTT and VOX

D-Earset In-Line Microphone PTT, VOX and Volume Control

Earbud with On-Mic PTT and Volume Control

Receive-Only Earbud for Remote Speaker Mic Use Only

HY1080-3BW	LCBN13	LCYY02	MCA02
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Image Not Available

USA-Canada Dealer \$27.84
MSRP \$46.40



USA-Canada Dealer \$26.14
MSRP \$43.57



USA-Canada Dealer \$6.68
MSRP \$11.13



USA-Canada Dealer \$211.20
MSRP \$279.00

HARD LEATHER CARRYING CASE SWIVEL CLIP BLACK TC-610/610P

Universal Nylon Chest Pack for Portable- Black (ROHS)

Waterproof Bag

Rapid-Rate Multi Unit Charger

NCN001



USA-Canada Dealer \$8.80
MSRP \$14.67

PC18



USA-Canada Dealer \$10.56
MSRP \$17.16

PC25



USA-Canada Dealer \$26.40
MSRP \$42.90

PS7002



USA-Canada Dealer \$104.14
MSRP \$173.57

Carrying Case OPEN FACE (nylon) (non-swivel) (black)

Programming Cable RS232 (COM Port) (Patrol)

Programming Cable PL2303 USB

SIX UNIT SWITCHING POWER SUPPLY 100-240VAC 12VDC 7A (ROHS)

RO03



USA-Canada Dealer \$3.52
MSRP \$5.87

SM08N1



USA-Canada Dealer \$24.64
MSRP \$41.07

SM13N5



USA-Canada Dealer \$51.04
MSRP \$85.07

TC-610-EW3



USA-Canada Dealer \$15.00
MSRP \$22.00

Nylon Hand Strap

Remote Speaker Microphone

Remote Speaker Microphone IP55

Extended 3rd Year Warranty Available at Point of Purchase. Standard Warranty Policies and Procedures

ZZ3100



USA-Canada Dealer \$13.60
MSRP \$22.67

REPLACEMENT SWIVER BELT CLIP



















TC-700



















Code	Item	USA-Canada Dealer	MSRP
TC-700U-2	PORTABLE RADIO UHF 440-490 MHz 16CH 4W 2100mAh	\$169.00	\$379.00
TC-700U-7	PORTABLE RADIO UHF 400-470 MHz 16CH 4/2/1W	\$169.00	\$379.00
TC-700U-8	PORTABLE RADIO UHF 450-520 MHz 16CH 4/2/1W	\$169.00	\$379.00
TC-700U-8-MD	PORTABLE RADIO MAN DOWN OPT UHF 450-520 MHz 16CH 4/2/1W	\$187.00	\$415.00
TC-700V	PORTABLE RADIO VHF 136-174 MHz 16CH 5 Watts	\$169.00	\$379.00
TC-700V-MD	PORTABLE RADIO MAN DOWN OPT VHF 136-174 MHz 16CH 4/2/1W	\$187.00	\$415.00

AN0143H04		AN0160H14		AN0380H01		AN0415W02	
							
USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04
MSRP	\$11.73	MSRP	\$11.73	MSRP	\$11.73	MSRP	\$11.73

VHF Stout - Long Antenna SMA 136- Antenna VHF SMA Connector 146- UHF STUBBY ANTENNA 370-390MHZ UHF Fine - Long Antenna - SMA

150 MHz BLUE BAND	174MHz	SMA CONNECTOR	Connector 400-430 MHz
<p>AN0415W08</p>  <p>USA-Canada Dealer \$7.04 MSRP \$11.73</p> <p>UHF Fine - Long Antenna - SMA Connector 400-430 MHz</p>	<p>AN0425H01</p>  <p>USA-Canada Dealer \$7.04 MSRP \$11.73</p> <p>UHF Stubby Antenna - SMA Connector 400-450 MHz</p>	<p>AN0425W04</p>  <p>USA-Canada Dealer \$7.04 MSRP \$11.73</p> <p>UHF Fine - Long Antenna - SMA connector 400-450MHz PRS AN0425W04 (RoHS)</p>	<p>AN0445H03</p>  <p>USA-Canada Dealer \$7.04 MSRP \$11.73</p> <p>UHF Stubby Antenna - SMA Connector 420-470 MHz</p>
<p>AN0445W04</p>  <p>USA-Canada Dealer \$7.04 MSRP \$11.73</p> <p>UHF Fine - Long Antenna - SMA Connector 420-470 MHz-Red Band TC-700</p>	<p>AN0460W08</p>  <p>USA-Canada Dealer \$7.04 MSRP \$11.73</p> <p>UHF Fine - Long Antenna - SMA Connector 450-470 MHz</p>	<p>AN0460W19</p>  <p>USA-Canada Dealer \$7.04 MSRP \$11.73</p> <p>UHF Long and fine antenna SMA connector 440-470MHz PRS AN0460W19(RoHS)</p>	<p>AN0465H03</p>  <p>USA-Canada Dealer \$7.04 MSRP \$11.73</p> <p>UHF Stubby Antenna - SMA Connector 440-490 MHz</p>
<p>AN0465W01</p>  <p>USA-Canada Dealer \$7.04 MSRP \$11.73</p> <p>UHF Fine - Long Antenna - SMA Connector 440-490 MHz</p>	<p>AN0495W04</p>  <p>USA-Canada Dealer \$7.04 MSRP \$11.73</p> <p>UHF Fine - Long Antenna - SMA 470-520MHz PRS AN0495W04 (RoHS)</p>	<p>BC08</p>  <p>USA-Canada Dealer \$3.52 MSRP \$5.87</p> <p>Belt Clip Only- Mounting screws sold separately-HYT-710300750000</p>	<p>BC09</p>  <p>USA-Canada Dealer \$3.52 MSRP \$5.87</p> <p>Belt Clip - Attach to Battery</p>
<p>BL1703</p>  <p>USA-Canada Dealer \$35.20 MSRP \$58.78</p> <p>Battery Li-ion 1700 mAh 7.4V TC- 700</p>	<p>BL2102</p>  <p>USA-Canada Dealer \$44.00 MSRP \$73.48</p> <p>Battery Li-ion 2100 mAh 7.4V TC700</p>	<p>CH10L07-PS1014</p>  <p>USA-Canada Dealer \$28.16 MSRP \$46.93</p> <p>Desktop Rapid-Rate Charger 110/240 W PS1014</p>	<p>CHV09</p>  <p>USA-Canada Dealer \$38.22 MSRP \$63.70</p> <p>Vehicle Charger Adapter 11-25V DC 12V/1A DC</p>

<p>CP05</p>  <p>USA-Canada Dealer \$7.04 MSRP \$11.73</p>	<p>EAM12</p>  <p>USA-Canada Dealer \$19.12 MSRP \$31.87</p>	<p>EAM13</p>  <p>USA-Canada Dealer \$19.50 MSRP \$32.50</p>	<p>EHM15</p>  <p>USA-Canada Dealer \$15.84 MSRP \$26.40</p>
<p>Cloning Cable TC-700 TC-6x0 Surveillance Earpiece with On-Mic PTT and Transparent Acoustic Tube VOX Surveillance Earpiece 2-Wire with Transparent Tube, PTT and VOX D-Earset In-Line Microphone PTT and VOX</p>			
<p>ESM01-EX</p>  <p>USA-Canada Dealer \$24.64 MSRP \$41.07</p>	<p>ESM12</p>  <p>USA-Canada Dealer \$12.32 MSRP \$20.53</p>	<p>ESS01</p>  <p>USA-Canada Dealer \$3.52 MSRP \$5.87</p>	<p>ESS07</p>  <p>USA-Canada Dealer \$5.28 MSRP \$8.80</p>
<p>Intrinsically Safe Earbud with In-Line PTT Earbud with On-Mic PTT and VOX Receive-only Earpiece Receive-Only Earbud for Remote Speaker Mic Use Only</p>			
<p>HNK100</p>  <p>USA-Canada Dealer \$147.00 MSRP \$245.00</p>	<p>HNKW-700-1</p>  <p>USA-Canada Dealer \$39.00 MSRP \$65.00</p>	<p>HYT-PS7501</p>  <p>USA-Canada Dealer \$72.16 MSRP \$120.27</p>	<p>LCBN13</p>  <p>USA-Canada Dealer \$26.14 MSRP \$43.57</p>
<p>HEADSET ONLY, DUAL MUFF HIGH NOISE BEHIND THE HEAD-PTT CORD MUST BE PURCHASED SEPERATELY CABLE ASSY PTT LARGE FOR HNK100 HEADSET 2 PIN SCREW TYPE Power adapter switching MCU MCN05/MCA02/MCA03/MC08/MCL15 Universal Nylon Chest Pack for Portable- Black (ROHS)</p>			
<p>LCBN41</p>  <p>USA-Canada Dealer \$26.40 MSRP \$44.00</p>	<p>LCBN42</p>  <p>USA-Canada Dealer \$26.40 MSRP \$44.00</p>	<p>LCYY02</p>  <p>USA-Canada Dealer \$6.68 MSRP \$11.13</p>	<p>MCA03</p>  <p>USA-Canada Dealer \$211.20 MSRP \$291.00</p>
<p>Leather Carrying Case TC-700 Swivel for BL1703 Leather Carrying Case TC-700 High Cap Battery Swivel Waterproof Bag Rapid-Rate Multi Unit Charger 1000mA 100-240VAC</p>			
<p>MCL07-EX</p>	<p>PC08</p>	<p>PC19</p>	<p>PC26</p>



USA-Canada Dealer \$211.20
MSRP \$291.00

Multi-Unit Charger TC-700 FM FOR USE WITH INT SAFE RADIOS



USA-Canada Dealer \$52.80
MSRP \$85.80

Universal Programming Cable



USA-Canada Dealer \$10.56
MSRP \$17.16

Programming Cable RS232 (COM Port) (Analog)



USA-Canada Dealer \$26.40
MSRP \$42.90

Programming Cable PL2303 USB (Analog Radios)

PS7002



USA-Canada Dealer \$104.14
MSRP \$173.57

RO04



USA-Canada Dealer \$3.52
MSRP \$5.87

Leather Hand Strap

SM08M3



USA-Canada Dealer \$21.12
MSRP \$35.20

Remote Speaker Microphone (with screw) IP54

SM13M1



USA-Canada Dealer \$49.28
MSRP \$82.13

Remote Speaker Microphone IP55

SIX UNIT SWITCHING POWER SUPPLY 100-240VAC 12VDC 7A (ROHS)

SPM-2100-H3



USA-Canada Dealer \$52.00
MSRP \$86.67

Remote Speaker Microphone IP56

SPM-2103S



USA-Canada Dealer \$52.00
MSRP \$86.67

Remote Speaker Microphone IP56

TC-700-EW3



USA-Canada Dealer \$15.00
MSRP \$22.00

Extended 3rd Year Warranty Available at Point of Purchase. Standard Warranty Policies and Procedures

TC-700MD-EW3



USA-Canada Dealer \$15.00
MSRP \$22.00

Extended 3rd Year Warranty Available at Point of Purchase. Standard Warranty Policies and Procedures



TC-780



Code	Item	USA-Canada Dealer	MSRP
TC-780U-1	PORTABLE RADIO UHF 400-470 MHz 256CH 5/2/1W 2100 mAh	\$199.00	\$442.00
TC-780U-1-MD	PORTABLE RADIO UHF 400-470 MHz 256CH 5/2/1W MAN DOWN	\$221.00	\$489.00
TC-780V	PORTABLE RADIO VHF 136-174 MHz 256CH 5W/2W/1W 2100 mAh	\$199.00	\$442.00

AN0143H04		AN0160H14		AN0380H01		AN0415W02	
							
USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04	USA-Canada Dealer	\$7.04
MSRP	\$11.73	MSRP	\$11.73	MSRP	\$11.73	MSRP	\$11.73

VHF Stout - Long Antenna SMA 136-150 MHz BLUE BAND	Antenna VHF SMA Connector 146-174MHz	UHF STUBBY ANTENNA 370-390MHZ SMA CONNECTOR	UHF Fine - Long Antenna - SMA Connector 400-430 MHz
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AN0415W08	AN0425H01	AN0445H03	AN0460W19

			
USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73

UHF Fine - Long Antenna - SMA Connector 400-430 MHz

UHF Stubby Antenna - SMA Connector 400-450 MHz

UHF Stubby Antenna - SMA Connector 420-470 MHz

UHF Long and fine antenna SMA connector 440-470MHz PRS AN0460W19(RoHS)

AN0465H03 	AN0465W01 	BC08 	BC09 
USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$3.52 MSRP \$5.87	USA-Canada Dealer \$3.52 MSRP \$5.87

UHF Stubby Antenna - SMA Connector 440-490 MHz

UHF Fine - Long Antenna - SMA Connector 440-490 MHz

Belt Clip Only- Mounting screws sold separately-HYT-7103007500000

Belt Clip - Attach to Battery





BL1703 	BL2102 	CH10L07-PS1014 	CHV09 
USA-Canada Dealer \$35.20 MSRP \$58.78	USA-Canada Dealer \$44.00 MSRP \$73.48	USA-Canada Dealer \$28.16 MSRP \$46.93	USA-Canada Dealer \$38.22 MSRP \$63.70

Battery Li-ion 1700 mAh 7.4V TC-700

Battery Li-ion 2100 mAh 7.4V TC700

Desktop Rapid-Rate Charger 110/240 W PS1014

Vehicle Charger Adapter 11-25V DC 12V/1A DC

EAN02 	EAN04 	EAN06 	EAN07 
USA-Canada Dealer \$21.12 MSRP \$35.20	USA-Canada Dealer \$21.12 MSRP \$35.20	USA-Canada Dealer \$21.12 MSRP \$35.20	USA-Canada Dealer \$21.12 MSRP \$35.20

Surveillance Earpiece 3-Wire with VOX and Transparent Acoustic Tube (Black)

Surveillance Earpiece with On-Mic PTT and Transparent Acoustic Tube

Surveillance Earpiece 3-Wire with VOX and Transparent Acoustic Tube (Beige)

Surveillance Earpiece 2-Wire with Transparent Tube, Volume Control, PTT and VOX

EHN07	ESN06	ESS07	HYT-PS7501
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USA-Canada Dealer \$19.36
MSRP \$32.27



USA-Canada Dealer \$19.36
MSRP \$32.27



USA-Canada Dealer \$5.28
MSRP \$8.80



USA-Canada Dealer \$72.16
MSRP \$120.27

D-Earset In-Line Microphone PTT, VOX and Volume Control

Earbud with On-Mic PTT and Volume Control

Receive-Only Earbud for Remote Speaker Mic Use Only

Power adapter switching MCU MCN05/MCA02/MCA03/MC08/MCL15

LCBN13



USA-Canada Dealer \$26.14
MSRP \$43.57

LCBY22



USA-Canada Dealer \$26.40
MSRP \$44.00

LCYY02



USA-Canada Dealer \$6.68
MSRP \$11.13

MCA03



USA-Canada Dealer \$211.20
MSRP \$291.00

Universal Nylon Chest Pack for Portable- Black (ROHS)

Leather Carrying Case - Swivel

Waterproof Bag

Rapid-Rate Multi Unit Charger 1000mA 100-240VAC

PC08



USA-Canada Dealer \$52.80
MSRP \$85.80

PC18



USA-Canada Dealer \$10.56
MSRP \$17.16

PC25



USA-Canada Dealer \$26.40
MSRP \$42.90

PS7002



USA-Canada Dealer \$104.14
MSRP \$173.57

Universal Programming Cable

Programming Cable RS232 (COM Port) (Patrol)

Programming Cable PL2303 USB

SIX UNIT SWITCHING POWER SUPPLY 100-240VAC 12VDC 7A (ROHS)

RO04



USA-Canada Dealer \$3.52
MSRP \$5.87

SM08N1



USA-Canada Dealer \$24.64
MSRP \$41.07

SM13N5



USA-Canada Dealer \$51.04
MSRP \$85.07

TC-780-EW3



USA-Canada Dealer \$25.00
MSRP \$35.00

Leather Hand Strap

Remote Speaker Microphone

Remote Speaker Microphone IP55

Extended 3rd Year Warranty Available at Point of Purchase. Standard Warranty Policies and Procedures



Analog Mobiles



TM-600
Professional Analog Mobile
Radio



TM-610
Professional Analog Mobile
Radio



TM-628H
Professional Analog Mobile
Radio



TM-600



Code	Item	USA-Canada Dealer	MSRP
TM-600U-1	MOBILE RADIO UHF 400-470 MHz 8CH 25W	\$169.00	\$369.00
TM-600V	MOBILE RADIO VHF 136-174 MHz 8CH 25W	\$169.00	\$369.00



Code	Item	USA-Canada Dealer	MSRP
BRK04			
USA-Canada Dealer		\$12.32	
MSRP		\$20.53	
CP06			
USA-Canada Dealer		\$5.28	
MSRP		\$8.80	
PC21			
USA-Canada Dealer		\$14.08	
MSRP		\$22.88	
POA15			
USA-Canada Dealer		\$0.88	
MSRP		\$1.47	






INSTALLTATION BRACKET TM600
TM610 TM628H

Cloning Cable TM-6x0 TM-800

Programming Cable TM-6x0 TM-800

DC Fuse 10A 32V (TX Power < 25)

Code	Item	USA-Canada Dealer	MSRP
PWC06			
USA-Canada Dealer		\$26.40	
SEC1223			
USA-Canada Dealer		\$97.50	
SM07R1			
USA-Canada Dealer		\$52.80	
SM07R2			
USA-Canada Dealer		\$36.96	

MSRP	\$44.00	MSRP	\$117.00	MSRP	\$88.00	MSRP	\$61.60
Vehicle Power Cord 3m 10A 14#		POWER SUPPLY Input 120VAC, Output 13.8VDC, 23 Amps		Palm Microphone with Keypad (Analog)		Palm Microphone (Analog)	
SM09S2		SM10R2		SM11R1		TM-600-EW3	
							
USA-Canada Dealer	\$58.08	USA-Canada Dealer	\$52.80	USA-Canada Dealer	\$28.16	USA-Canada Dealer	\$15.00
MSRP	\$96.80	MSRP	\$88.00	MSRP	\$46.93	MSRP	\$22.00
External Speaker (Single Pin 3.5mm)		Desktop Microphone RJ45		Palm Microphone (Analog)		Extended 3rd Year Warranty Available at Point of Purchase. Standard Warranty Policies and Procedures	
TM-610-EW3							
							
USA-Canada Dealer	\$15.00						
MSRP	\$22.00						
Extended 3rd Year Warranty Available at Point of Purchase. Standard Warranty Policies and Procedures							







TM-610








Code	Item	USA-Canada Dealer	MSRP
TM-610U-1	MOBILE RADIO UHF 400-470 MHz 128CH 25W	\$179.00	\$397.00
TM-610V	MOBILE RADIO VHF 136-174 MHz 128CH 25W	\$179.00	\$397.00

BRK04	CP06	PC21	POA15
			
USA-Canada Dealer \$12.32 MSRP \$20.53	USA-Canada Dealer \$5.28 MSRP \$8.80	USA-Canada Dealer \$14.08 MSRP \$22.88	USA-Canada Dealer \$0.88 MSRP \$1.47

INSTALLTATION BRACKET TM600 TM610 TM628H Cloning Cable TM-6x0 TM-800 Programming Cable TM-6x0 TM-800 DC Fuse 10A 32V (TX Power < 25)

PWC06	SEC1223	SM07R1	SM07R2
			
USA-Canada Dealer \$26.40	USA-Canada Dealer \$97.50	USA-Canada Dealer \$52.80	USA-Canada Dealer \$36.96

MSRP	\$44.00	MSRP	\$117.00	MSRP	\$88.00	MSRP	\$61.60
Vehicle Power Cord 3m 10A 14#		POWER SUPPLY Input 120VAC, Output 13.8VDC, 23 Amps		Palm Microphone with Keypad (Analog)		Palm Microphone (Analog)	
SM09S2		SM10R2		SM11R1		TM-600-EW3	
							
USA-Canada Dealer	\$58.08	USA-Canada Dealer	\$52.80	USA-Canada Dealer	\$28.16	USA-Canada Dealer	\$15.00
MSRP	\$96.80	MSRP	\$88.00	MSRP	\$46.93	MSRP	\$22.00
External Speaker (Single Pin 3.5mm)		Desktop Microphone RJ45		Palm Microphone (Analog)		Extended 3rd Year Warranty Available at Point of Purchase. Standard Warranty Policies and Procedures	
TM-610-EW3							
							
USA-Canada Dealer	\$15.00						
MSRP	\$22.00						
Extended 3rd Year Warranty Available at Point of Purchase. Standard Warranty Policies and Procedures							



TM-628H



Code	Item	USA-Canada Dealer	MSRP
TM-628H-U	MOBILE RADIO UHF 400-470 MHz 128CH 45W	\$199.00	\$442.00
TM-628H-U-RFB	MOBILE RADIO UHF 400-470 MHz 128CH 45W REFURBISHED 1 YR WARRANTY	\$199.00	\$442.00
TM-628H-V	MOBILE RADIO VHF 136-174 MHz 128CH 50W	\$199.00	\$442.00

BRK04		PC21		PWC05		SEC1223	
							
USA-Canada Dealer	\$12.32	USA-Canada Dealer	\$14.08	USA-Canada Dealer	\$26.40	USA-Canada Dealer	\$97.50
MSRP	\$20.53	MSRP	\$22.88	MSRP	\$44.00	MSRP	\$117.00

INSTALLTATION BRACKET TM600 TM610 TM628H Programming Cable TM-6x0 TM-800 Vehicle Power Cord 3m 15A 12# POWER SUPPLY Input 120VAC, Output 13.8VDC, 23 Amps

SM07R1	SM07R2	SM09S2	SM10R2



USA-Canada Dealer \$52.80
MSRP \$88.00



USA-Canada Dealer \$36.96
MSRP \$61.60



USA-Canada Dealer \$58.08
MSRP \$96.80



USA-Canada Dealer \$52.80
MSRP \$88.00

Palm Microphone with Keypad
(Analog)

Palm Microphone (Analog)

External Speaker (Single Pin
3.5mm)

Desktop Microphone RJ45

SM11R1



USA-Canada Dealer \$28.16
MSRP \$46.93

TM-628-EW3



USA-Canada Dealer \$15.00
MSRP \$22.00

Palm Microphone (Analog)

Extended 3rd Year Warranty
Available at Point of Purchase.
Standard Warranty Policies and
Procedures



Analog Repeaters



RD982 AN
Powerful Digital Repeater.



RD982 AN



Code	Item	USA-Canada Dealer	MSRP
RD982U-1-AN	REPEATER ANALOG DMR UHF 400-470 MHz 50W UPGRADABLE TO DIGITAL	\$831.00	\$1,440.00
RD982U-2-AN	REPEATER ANALOG DMR UHF 450-520 MHz 50W UPGRADABLE TO DIGITAL	\$831.00	\$1,440.00
RD982V-1-AN	REPEATER ANALOG DMR VHF 136-174 MHz 50W UPGRADABLE TO DIGITAL	\$831.00	\$1,440.00

BRK09		BRK19		DCL4533-1-N		DCL4533-2-N	
USA-Canada Dealer	\$42.90	USA-Canada Dealer	\$46.80	USA-Canada Dealer	\$297.50	USA-Canada Dealer	\$297.50
MSRP	\$71.50	MSRP	\$78.00	MSRP	\$357.00	MSRP	\$357.00

DUPLEXER INSTALLATION KIT FOR DMR REPEATER	RD98X main unit wall mount installation bracket BRK19	400-440 UHF MOBILE DUPLEXER N-FEMALE CONNECTORS	440-470 UHF MOBILE DUPLEXER N-FEMALE CONNECTORS
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DCL4533-3-N	DHL1533-1-N	DHL1533-2-N	DHL1533-3-N
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USA-Canada Dealer \$297.50 MSRP \$357.00	USA-Canada Dealer \$297.50 MSRP \$357.00	USA-Canada Dealer \$297.50 MSRP \$357.00	USA-Canada Dealer \$297.50 MSRP \$357.00

470-490 UHF MOBILE DUPLEXER N-FEMALE CONNECTORS

136-148 VHF MOBILE DUPLEXER N TYPE

148-160 VHF MOBILE DUPLEXER N TYPE

160-174 VHF MOBILE DUPLEXER N TYPE

DMR-SW-LICENSE-00006 	HYT-1501-C6-2 	HYT-4201-C6-3 	IP CONNECT UPGRADE 
USA-Canada Dealer \$468.00 MSRP \$810.00	USA-Canada Dealer \$180.00 MSRP \$327.00	USA-Canada Dealer \$180.00 MSRP \$327.00	USA-Canada Dealer \$150.00 MSRP \$334.00

DIGITAL UPGRADE LICENSES FOR RD98X ANALOG REPEATERS

DUPLEXER VHF 150-175MHz, 5MHz Split

DUPLEXER UHF 450-470MHz, 5MHz Split

IP CONNECTIVITY UPGRADE FOR DMR REPEATERS-MUST PROVIDE SERIAL, FIRMWARE, LONG MODEL NUMBER


PC37 	PC40 	PC47 	PC49 
USA-Canada Dealer \$24.96 MSRP \$40.56	USA-Canada Dealer \$28.16 MSRP \$45.76	USA-Canada Dealer \$29.64 MSRP \$48.17	USA-Canada Dealer \$24.96 MSRP \$40.56

Programming Cable for the MD6, MD7 Series, & RD98x (USB)

Data Cable MD78X RD98X RD98XS & RD62X

Programming Cable CPS programming and firmware upgrading

BACK TO BACK DATA CABLE MD78X/RD98X/RD62X/RD96X

POA45 	PWC11 	SEC-1223R1 	SEC-1223R2 
USA-Canada Dealer \$51.48 MSRP \$85.80	USA-Canada Dealer \$26.40 MSRP \$44.00	USA-Canada Dealer \$128.13 MSRP \$153.75	USA-Canada Dealer \$224.38 MSRP \$269.25

Surge Arrester for ethernet port (RoHS)

DC Power Cord 3m 10A (Repeater)

DC POWER SUPPLY 23 Amp 110V 19 Inches Rack c/w 1 x SEC-1223

DC POWER SUPPLY 2X 23AMPS 110V 19 Inches Rack c/w 2 x SEC-1223

SM10A1	SM16A1	SM16A2	SM20A1
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USA-Canada Dealer \$61.60
MSRP \$102.67

Desktop Microphone (10-pin Aviation Connector)



USA-Canada Dealer \$35.88
MSRP \$59.80

Palm Microphone IP54



USA-Canada Dealer \$35.10
MSRP \$58.50

Palm Microphone IP67



USA-Canada Dealer \$127.92
MSRP \$213.20

HANDSET FOR MD78X Tier II only

SM20A2



USA-Canada Dealer \$171.60
MSRP \$286.01

Telephone Style Handset with Keypad DMR Tier II and III

SW00018



USA-Canada Dealer \$170.00
MSRP \$309.00

Advanced digital encryption license for repeater RD98 RD96 Need to specify full Hytera or AES encryp

WMC



USA-Canada Dealer \$271.00
MSRP \$603.00

CABINET, WALL MOUNT BLACK, 9RMS 20.5" X 20" (9ru)

Price Book

Effective Date: 6/28/2016



Price Book is subject to change without notice.

Lista de Precios puede ser modificada sin notificación.

Reserva Preço sujeito a alteração sem aviso prévio.



DMR



DMR Portables

Robust and high-quality DMR terminals for professional use



DMR Mobiles

Efficient and reliable radio communications with DMR



DMR Repeaters

Expand your radio coverage area in conventional DMR radio systems



Hytera Dispatch System

Professional DMR dispatching system for your DMR radio solution



DMR Portables



PD362
Pocket-Size Digital Portable
Radio



PD412
Digital Patrol Radio



PD502
Digital Portable Radio



PD562
Digital Portable Radio



PD602 | PD602G
Rugged Digital Radio



PD662 | PD662G
Rugged Digital Radio



PD682 | PD682G
Rugged Digital Radio



PD702 | PD702G
Digital Portable Radio



PD702G | UL913
UL Certified Intrinsically Safe
Digital Portable Radio



PD752 | PD752G
Digital Portable Radio



PD782 | PD782G
Digital Portable Radio



PD782 | UL913
UL Certified Intrinsically Safe
Digital Portable Radio



PD792 Ex
Intrinsically Safe Digital
Portable Radio



X1e
Executive Digital Portable
Radio



X1p
Executive Digital Portable
Radio







PD362



Code	Item	USA-Canada Dealer	MSRP
PD362Uc	DMR PORTABLE UHF 430-470MHZ 256CH 1.5-3W IP54 DISPLAY 16ZONES 12.5/25KHZ 2000mAh Li-Ion DUAL MODE	\$169.00	\$308.00

BC21	BL2009	CH10L20	DMR-EW
			
USA-Canada Dealer \$2.34 MSRP \$3.90	USA-Canada Dealer \$17.16 MSRP \$28.66	USA-Canada Dealer \$8.58 MSRP \$14.30	USA-Canada Dealer \$45.00 MSRP \$70.00

BELT CLIP FOR PD36X	BATTERY 2000mAh 3.7V (RoHS) PD35X PD36X	CHARGER RAPID-RATE Li-Ion PD35X PD36X	Extended 2 Year Warranty-Mobiles & Portables Only- Total of 5 yrs- Standard Warranty Policies
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EHS16	PC69	PS1030	PV1002
			
USA-Canada Dealer \$8.58	USA-Canada Dealer \$25.74	USA-Canada Dealer \$8.58	USA-Canada Dealer \$10.92

MSRP	\$14.30	MSRP	\$41.83	MSRP	\$14.30	MSRP	\$18.20
C-EARPIECE (RoHS)		PROGRAMMING CABLE PD35X PD36X		POWER ADAPTER MICRO USB 110- 24VAC 5V DC/1A HYTERA (RoHS) PD35X/36X		Vehicle Power Adapter PD3 series	



USA-Canada Dealer \$0.78
MSRP \$1.30





Nylon Neck Strap



PD412



Code	Item	USA-Canada Dealer	MSRP
PD412U-1	DMR PORTABLE UHF 400-470 MHz 32CH 4W NON DISPLAY IP54 1500mAh Li-Ion	\$219.00	\$398.00
PD412U-2	DMR PORTABLE UHF 450-520 MHz 32CH 4W NON DISPLAY IP54 1500mAh Li-Ion	\$219.00	\$398.00
PD412V-1	DMR PORTABLE VHF 136-174MHz 32CH 5W NO DISP STD ANTENNA 147-160MHZ IP54 1500mAh Li-Ion	\$219.00	\$398.00

ACM-01	AN0141H06	AN0141H07	AN0143H04
			
USA-Canada Dealer \$11.21 MSRP \$11.50	USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$7.04 MSRP \$11.73
PTT&MIC water proof cable(for use with Receive-Only Earpiece)(IP54) (RoHS)	Antenna VHF SMA connector, 136-147MHz, 17cm, with hytera logo (RoHS) PD50X	ANTENNA VHF SMA connector, 136-147MHz/1575MHz, 12cm, with hytera logo(RoHS)	VHF Stout - Long Antenna SMA 136-150 MHz BLUE BAND

AN0153H07	AN0167H06	AN0415W02	AN0415W08

USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$7.04 MSRP \$11.73	USA-Canada Dealer \$7.04 MSRP \$11.73

Antenna, VHF SMA connector, 147-160MHz, 17cm, with hytera logo (RoHS) PD50x PD56X	ANTENNA VHF SMA connector, 160-174MHz, 17cm, with hytera logo (RoHS)	UHF Fine - Long Antenna - SMA Connector 400-430 MHz	UHF Fine - Long Antenna - SMA Connector 400-430 MHz
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AN0435H13 	BC08 	BC09 	BL1504
USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$3.52 MSRP \$5.87	USA-Canada Dealer \$3.52 MSRP \$5.87	USA-Canada Dealer \$35.88 MSRP \$59.92

ANTENNA 400-470MHZ SMA 9CM HYTERA LOGO	Belt Clip Only- Mounting screws sold seperately-HYT-7103007500000	Belt Clip - Attach to Battery	Battery Li-ion 1500mAh for PD5 and PD6 Series
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BL2010 	CH10A07-PS1014 	CHV09 	EAM12
USA-Canada Dealer \$60.06 MSRP \$100.10	USA-Canada Dealer \$29.26 MSRP \$48.77	USA-Canada Dealer \$38.22 MSRP \$63.70	USA-Canada Dealer \$19.12 MSRP \$31.87

Battery 2000mAh Li-Ion Battery (RoHS) PD5 & PD6 Series FW R7.0 or above ONLY	Rapid-Rate Charger (Li-ion / Ni-MH) with PS1014 transformer	Vehicle Charger Adapter 11-25V DC 12V/1A DC	Surveillance Earpiece with On-Mic PTT and Transparent Acoustic Tube VOX
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EAM13 	EH01 	EH02 	EHM19
USA-Canada Dealer \$19.50 MSRP \$32.50	USA-Canada Dealer \$8.58 MSRP \$14.30	USA-Canada Dealer \$9.36 MSRP \$15.60	USA-Canada Dealer \$25.74 MSRP \$42.90

Surveillance Earpiece 2-Wire with Transparent Tube, PTT and VOX	Earloop C-Style Recieve Only PD7 Series & PT5 Series	EARHOOK ADJUSTABLE W SWIVEL SPEAKER RECEIVE ONLY (FOR USE WITH PTT & MIC CABLE)	C Style Earloop Earpiece with On-MIC PTT(RoHS)
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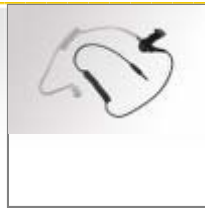
EHM20	ES01	ES-02	ESM12
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USA-Canada Dealer \$27.30
MSRP \$45.50



USA-Canada Dealer \$5.86
MSRP \$9.77



USA-Canada Dealer \$16.38
MSRP \$27.30



USA-Canada Dealer \$12.32
MSRP \$20.53

Swivel Earpiece with PTT&MIC cable (RoHS)

Earbud Recieve Only PD7 Series PT580H PD79XEX

Receive only earpiece with transparent tube

Earbud with On-Mic PTT and VOX

ESM14



USA-Canada Dealer \$24.18
MSRP \$40.30

ESS01



USA-Canada Dealer \$3.52
MSRP \$5.87

HYTANT270-150



USA-Canada Dealer \$7.04
MSRP \$11.73

HYTANT370-450



USA-Canada Dealer \$7.04
MSRP \$11.73

Earbud with On-MIC PTT(RoHS)

Receive-only Earpiece

VHF Antenna 150-174 MHz TC-270

UHF Antenna 450-470 MHz TC-370

LCBN13



USA-Canada Dealer \$26.14
MSRP \$43.57

LCYY02



USA-Canada Dealer \$6.68
MSRP \$11.13

MCA05



USA-Canada Dealer \$1,060.80
MSRP \$1,768.04

MCA08



USA-Canada Dealer \$234.00
MSRP \$390.01

Universal Nylon Chest Pack for Portable- Black (ROHS)

Waterproof Bag

Battery Optimizing System for PD5, PD6, PD7 PD4 and PT5 Series

Rapid-Rate Multi Unit Charger DMR for PD7, PD6, PD5 Series & PT580H

NCN011



USA-Canada Dealer \$14.04
MSRP \$23.40

PC08



USA-Canada Dealer \$52.80
MSRP \$85.80

PC76



USA-Canada Dealer \$25.74
MSRP \$41.83

POA38



USA-Canada Dealer \$15.60
MSRP \$26.00

Nylon Carrying Jacket PD50X PD60X PD66X PD68X PD4

Universal Programming Cable

Data Programming Cable (USB Port) (RoHS) PD40X/PD41X

BATTERY ADAPTER

POA59



POA71






POA72



PS7002



USA-Canada Dealer	\$8.58	USA-Canada Dealer	\$5.46	USA-Canada Dealer	\$5.46	USA-Canada Dealer	\$104.14
MSRP	\$14.30	MSRP	\$9.10	MSRP	\$9.10	MSRP	\$173.57
Battery Adapter (for MCA08 and MCA10)(RoHS)		RFID WIRELESS PATROL CHECKPOINT (RoHS)(REACH) FOR PD40X/PD41X		PATROLLER ID (RoHS)(REACH) PD41X		SIX UNIT SWITCHING POWER SUPPLY 100-240VAC 12VDC 7A (ROHS)	
RO03		SM08M3		SM13M1			
							
USA-Canada Dealer	\$3.52	USA-Canada Dealer	\$21.12	USA-Canada Dealer	\$49.28		
MSRP	\$5.87	MSRP	\$35.20	MSRP	\$82.13		
Nylon Hand Strap		Remote Speaker Microphone (with screw) IP54		Remote Speaker Microphone IP55			




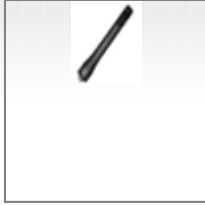














PD502













Code	Item	USA-Canada Dealer	MSRP
PD502U-1	DMR PORTABLE UHF 400-470 MHz 32CH 4W NON DISPLAY IP54 1500mAh Li-Ion	\$199.00	\$362.00
PD502V-1	DMR PORTABLE VHF 136-174 MHz (STD ANT 147-160MHZ) 32CH 5/1W NON DISPLAY IP54 1500mAh Li-Ion	\$199.00	\$362.00

AN0141H06	AN0141H07	AN0153H04	AN0153H07
USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$14.04 MSRP \$23.40
Antenna VHF SMA connector, 136-147MHz, 17cm, with hytera logo (RoHS) PD50X	ANTENNA VHF SMA connector, 136-147MHz/1575MHz, 12cm, with hytera logo(RoHS)	ANTENNA VHF SMA 147-160MHZ 1575MHZ PD5	Antenna, VHF SMA connector, 147-160MHz, 17cm, with hytera logo (RoHS) PD50x PD56X

AN0153H08	AN0155H02	AN0167H03	AN0167H06

USA-Canada Dealer MSRP	\$14.04 \$23.40	USA-Canada Dealer MSRP	\$18.00 \$30.00	USA-Canada Dealer MSRP	\$12.00 \$20.00	USA-Canada Dealer MSRP	\$14.04 \$23.40
ANTENNA VHF SMA connector, 147-160MHz/1575MHz, 12cm, with hytera logo(RoHS)		VHF ANTENNA SMA CONNECTOR 136-174MHZ/1575MHZ PD70X PD78X 8IN LENGTH		Antenna VHF SMA 160-174MHz/1575MHz AN0167H03 (RoHS)		ANTENNA VHF SMA connector, 160-174MHz, 17cm, with hytera logo (RoHS)	
AN0167H07 		AN0435H13 		BC12 		BL1504 	
USA-Canada Dealer MSRP	\$14.04 \$23.40	USA-Canada Dealer MSRP	\$14.04 \$23.40	USA-Canada Dealer MSRP	\$3.52 \$5.87	USA-Canada Dealer MSRP	\$35.88 \$59.92
ANTENNA VHF SMA connector, 160-174MHz/1575MHz, 12cm, with hytera logo(RoHS)		ANTENNA 400-470MHZ SMA 9CM HYTERA LOGO		Spring Belt Clip (Uses screws HYT-7103006004000 not included)		Battery Li-ion 1500mAh for PD5 and PD6 Series	
BL2010 		CH10A07-PS1014 		CHV09 		DMR-EW 	
USA-Canada Dealer MSRP	\$60.06 \$100.10	USA-Canada Dealer MSRP	\$29.26 \$48.77	USA-Canada Dealer MSRP	\$38.22 \$63.70	USA-Canada Dealer MSRP	\$45.00 \$70.00
Battery 2000mAh Li-Ion Battery (RoHS) PD5 & PD6 Series FW R7.0 or above ONLY		Rapid-Rate Charger (Li-ion / Ni-MH) with PS1014 transformer		Vehicle Charger Adapter 11-25V DC 12V/1A DC		Extended 2 Year Warranty-Mobiles & Portables Only- Total of 5 yrs- Standard Warranty Policies	
EAM12 		EAM13 		EHM15 		EHM19  Image Coming Soon...	
USA-Canada Dealer MSRP	\$19.12 \$31.87	USA-Canada Dealer MSRP	\$19.50 \$32.50	USA-Canada Dealer MSRP	\$15.84 \$26.40	USA-Canada Dealer MSRP	\$25.74 \$42.90
Surveillance Earpiece with On-Mic PTT and Transparent Acoustic Tube VOX		Surveillance Earpiece 2-Wire with Transparent Tube, PTT and VOX		D-Earset In-Line Microphone PTT and VOX		C Style Earloop Earpiece with On-MIC PTT(RoHS)	
EHM20 		ESM12 		HY3000-3BP 		HY3000-CBP 	
Image Coming Soon...						Image Coming Soon...	





USA-Canada Dealer \$27.30 MSRP \$45.50	USA-Canada Dealer \$12.32 MSRP \$20.53	USA-Canada Dealer \$22.54 MSRP \$37.57	USA-Canada Dealer \$18.60 MSRP \$31.00
Swivel Earpiece with PTT&MIC cable (RoHS)	Earbud with On-Mic PTT and VOX	CASE HARD LEATHER, W/ SWIVEL PD50X	NYLON CASE, W/ SWIVEL PD50X
MCA05 	MCA08 	NCN011 	PC63 
USA-Canada Dealer \$1,060.80 MSRP \$1,768.04	USA-Canada Dealer \$234.00 MSRP \$390.01	USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$25.74 MSRP \$41.83
Battery Optimizing System for PD5, PD6, PD7 PD4 and PT5 Series	Rapid-Rate Multi Unit Charger DMR for PD7, PD6, PD5 Series & PT580H	Nylon Carrying Jacket PD50X PD60X PD66X PD68X PD4	Programming Cable for PD5 Series
POA38 	POA59 	RO03 	SM13M1 
USA-Canada Dealer \$15.60 MSRP \$26.00	USA-Canada Dealer \$8.58 MSRP \$14.30	USA-Canada Dealer \$3.52 MSRP \$5.87	USA-Canada Dealer \$49.28 MSRP \$82.13
BATTERY ADAPTER	Battery Adapter (for MCA08 and MCA10)(RoHS)	Nylon Hand Strap	Remote Speaker Microphone IP55
SPM-2100-H3 	SW00051 		
USA-Canada Dealer \$52.00 MSRP \$86.67	USA-Canada Dealer \$36.00 MSRP \$51.00		
Remote Speaker Microphone IP56	Priority Interrupt & Remote Monitor & Radio Enable/Disable PD5 Series		

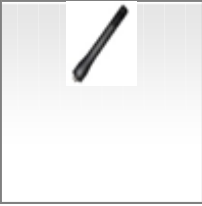




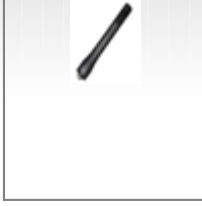





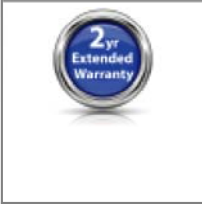






PD562



Code	Item	USA-Canada Dealer	MSRP
PD562U-1	DMR Portable UHF 400-470 MHz 512CH 4W Display Ltd Keypad P54 1500mAh Li-Ion	\$242.00	\$440.00
PD562U-1-RFB	DMR Portable UHF 400-470 MHz 512CH 4W Disp Ltd Keypad P54 1500mAh Li-Ion REFURBISH 18 MOS WARRANTY	\$242.00	\$440.00
PD562V-1	DMR PORTABLE VHF 136-174 MHz (STD ANT 147-160MHZ) 512CH 5/1W DISPLAY IP54 1500mAh Li-Ion	\$242.00	\$440.00

AN0141H06		AN0141H07		AN0153H04		AN0153H07	
							
USA-Canada Dealer	\$14.04	USA-Canada Dealer	\$14.04	USA-Canada Dealer	\$14.04	USA-Canada Dealer	\$14.04
MSRP	\$23.40	MSRP	\$23.40	MSRP	\$23.40	MSRP	\$23.40
Antenna VHF SMA connector, 136-147MHz, 17cm, with hytera logo (RoHS) PD50X		ANTENNA VHF SMA connector, 136-147MHz/1575MHz, 12cm, with hytera logo(RoHS)		ANTENNA VHF SMA 147-160MHZ 1575MHZ PD5		Antenna, VHF SMA connector, 147-160MHz, 17cm, with hytera logo (RoHS) PD50x PD56X	
AN0153H08		AN0155H02		AN0167H03		AN0167H06	

			
USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$18.00 MSRP \$30.00	USA-Canada Dealer \$12.00 MSRP \$20.00	USA-Canada Dealer \$14.04 MSRP \$23.40
ANTENNA VHF SMA connector, 147-160MHz/1575MHz, 12cm, with hytera logo(RoHS)	VHF ANTENNA SMA CONNECTOR 136-174MHZ/1575MHZ PD70X PD78X 8IN LENGTH	Antenna VHF SMA 160-174MHz/1575MHz AN0167H03 (RoHS)	ANTENNA VHF SMA connector, 160-174MHz, 17cm, with hytera logo (RoHS)
AN0167H07 	AN0435H13 	BC12 	BL1504 
USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$3.52 MSRP \$5.87	USA-Canada Dealer \$35.88 MSRP \$59.92
ANTENNA VHF SMA connector, 160-174MHz/1575MHz, 12cm, with hytera logo(RoHS)	ANTENNA 400-470MHZ SMA 9CM HYTERA LOGO	Spring Belt Clip (Uses screws HYT-7103006004000 not included)	Battery Li-ion 1500mAh for PD5 and PD6 Series
BL2010 	CH10A07-PS1014 	CHV09 	DMR-EW 
USA-Canada Dealer \$60.06 MSRP \$100.10	USA-Canada Dealer \$29.26 MSRP \$48.77	USA-Canada Dealer \$38.22 MSRP \$63.70	USA-Canada Dealer \$45.00 MSRP \$70.00
Battery 2000mAh Li-Ion Battery (RoHS) PD5 & PD6 Series FW R7.0 or above ONLY	Rapid-Rate Charger (Li-ion / Ni-MH) with PS1014 transformer	Vehicle Charger Adapter 11-25V DC 12V/1A DC	Extended 2 Year Warranty-Mobiles & Portables Only- Total of 5 yrs- Standard Warranty Policies
EAM12 	EHM15 	ESM12 	MCA05 
USA-Canada Dealer \$19.12 MSRP \$31.87	USA-Canada Dealer \$15.84 MSRP \$26.40	USA-Canada Dealer \$12.32 MSRP \$20.53	USA-Canada Dealer \$1,060.80 MSRP \$1,768.04
Surveillance Earpiece with On-Mic PTT and Transparent Acoustic Tube VOX	D-Earset In-Line Microphone PTT and VOX	Earbud with On-Mic PTT and VOX	Battery Optimizing System for PD5, PD6, PD7 PD4 and PT5 Series
MCA08	NCN011	PC63	POA38



USA-Canada Dealer \$234.00
MSRP \$390.01



USA-Canada Dealer \$14.04
MSRP \$23.40



USA-Canada Dealer \$25.74
MSRP \$41.83



USA-Canada Dealer \$15.60
MSRP \$26.00

Rapid-Rate Multi Unit Charger DMR for PD7, PD6, PD5 Series & PT580H

Nylon Carrying Jacket PD50X PD60X PD66X PD68X PD4

Programming Cable for PD5 Series

BATTERY ADAPTER

POA59



USA-Canada Dealer \$8.58
MSRP \$14.30

RO03



USA-Canada Dealer \$3.52
MSRP \$5.87

SM13M1



USA-Canada Dealer \$49.28
MSRP \$82.13

SW00051



USA-Canada Dealer \$36.00
MSRP \$51.00

Battery Adapter (for MCA08 and MCA10)(RoHS)

Nylon Hand Strap

Remote Speaker Microphone IP55

Priority Interrupt & Remote Monitor & Radio Enable/Disable PD5 Series



PD602 | PD602G



Code	Item	USA-Canada Dealer	MSRP
PD602G-U1	DMR PORTABLE GPS UHF 400-527 MHz 32CH 4W NON DISPLAY IP67 1500mAh Li-Ion	\$299.00	\$544.00
PD602G-U1-MD	DMR PORTABLE GPS MAN DOWN UHF 400-527 MHz 32CH 4W NON DISPLAY IP67 1500mAh Li-Ion	\$317.00	\$579.00
PD602G-V1	DMR PORTABLE GPS VHF 136-174 MHz (STD ANT 153-164MHZ) 32CH 5/1W NON DISPLAY IP67 1500mAh Li-Ion	\$299.00	\$544.00
PD602U-1	DMR PORTABLE UHF 400-527 MHz 32CH 4W NON DISPLAY IP67 1500mAh Li-Ion	\$269.00	\$489.00
PD602V-1	DMR PORTABLE VHF 136-174 MHz 32CH 4W NON DISPLAY IP67 1500mAh Li-Ion STD ANTENNA 153-164MHZ	\$269.00	\$489.00

ADN-02



USA-Canada Dealer \$86.58
MSRP \$144.30

AN0140H01



USA-Canada Dealer \$24.96
MSRP \$41.60

AN0148H03



































USA-Canada Dealer \$24.96
MSRP \$41.60

AN0156H01



USA-Canada Dealer \$24.96
MSRP \$41.60

Wireless adapter (Part of ESW01-N2) PD6XX, X1	ANTENNA VHF STUBBY 136-145MHZ/1575MHZ SMA MALE 9CM (ROHS)	ANTENNA VHF STUBBY 144-154MHZ/1575MHZ SMA MALE 9CM (ROHS)	VHF stubby Antenna for Covert radio, SMA-male 17cm 147-165MHz/1575MHz(RoHS)
AN0158H02 	AN0435H17 	AN0435W11 	AN0485H12 
USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$29.64 MSRP \$49.40	USA-Canada Dealer \$24.96 MSRP \$41.60
ANTENNA VHF STUBBY 153-164MHZ/1575MHZ SMA MALE 9CM (ROHS)	UHF stubby Antenna for covert radio, SMA-male 9cm 400-470MHz/1575MHz (RoHS)	Antenna 400-470/1575MHz (U1) SMA-male connector 15cm	Covert UHF stubby antenna SMA-male connector 9cm 450-520/1575MHz UHF Logo (RoHS)
BC19 	BC24 	BL1504 	BL2010 
USA-Canada Dealer \$3.52 MSRP \$5.87	USA-Canada Dealer \$12.48 MSRP \$20.80	USA-Canada Dealer \$35.88 MSRP \$59.92	USA-Canada Dealer \$60.06 MSRP \$100.10
Spring Belt Clip DMR Portable-Screws (HYT-7103006004000) sold seperately	Carry Holder with Swivel Belt Clip (for PD60X)	Battery Li-ion 1500mAh for PD5 and PD6 Series	Battery 2000mAh Li-Ion Battery (RoHS) PD5 & PD6 Series FW R7.0 or above ONLY
CH10A07-PS1014 	CHV09 	CP15 	DMR-EW 
USA-Canada Dealer \$29.26 MSRP \$48.77	USA-Canada Dealer \$38.22 MSRP \$63.70	USA-Canada Dealer \$17.55 MSRP \$18.00	USA-Canada Dealer \$45.00 MSRP \$70.00
Rapid-Rate Charger (Li-ion / Ni-MH) with PS1014 transformer	Vehicle Charger Adapter 11-25V DC 12V/1A DC	Cloning Cable (RoHS) PD6 X1 series Both radios must be in same FW and model	Extended 2 Year Warranty-Mobiles & Portables Only- Total of 5 yrs- Standard Warranty Policies
EAN22 	EAN24 	ECN21 	EHN20 
USA-Canada Dealer \$42.12 MSRP \$70.20	USA-Canada Dealer \$60.06 MSRP \$100.10	USA-Canada Dealer \$291.72 MSRP \$486.21	USA-Canada Dealer \$35.10 MSRP \$58.50
Surveillance Earpiece with	Surveillance Earpiece with	Head Set dual muff with boom mic,	Remote Swivel Earset for X1 & PD6

Transparent Acoustic Tube, Single wire Black	Transparent Acoustic Tube, 2-wire Black	noise cancelling, Heavy duty (RoHS)	Series
EHN21 	ESN14 	ESW01 	ESW01-N2 
USA-Canada Dealer \$34.32 MSRP \$57.20	USA-Canada Dealer \$31.98 MSRP \$53.30	USA-Canada Dealer \$86.58 MSRP \$144.30	USA-Canada Dealer \$173.16 MSRP \$288.61
Remote C-Earset X1 & PD6 Series	Remote Earbud X1 & PD6 Series	Wireless Earpiece (Part of ESW01-N1 and N2)	Wireless Earpiece Kit PD6XX, X1
MCA05 	MCA08 	NCN011 	PC45 
USA-Canada Dealer \$1,060.80 MSRP \$1,768.04	USA-Canada Dealer \$234.00 MSRP \$390.01	USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$25.34 MSRP \$41.18
Battery Optimizing System for PD5, PD6, PD7 PD4 and PT5 Series	Rapid-Rate Multi Unit Charger DMR for PD7, PD6, PD5 Series & PT580H	Nylon Carrying Jacket PD50X PD60X PD66X PD68X PD4	Programming Cable USB X1 & PD6 Series (ROHS)
POA38 	POA47 	POA59 	RO03 
USA-Canada Dealer \$15.60 MSRP \$26.00	USA-Canada Dealer \$81.90 MSRP \$136.50	USA-Canada Dealer \$8.58 MSRP \$14.30	USA-Canada Dealer \$3.52 MSRP \$5.87
BATTERY ADAPTER	Bluetooth PTT for X1 Series	Battery Adapter (for MCA08 and MCA10)(RoHS)	Nylon Hand Strap
SM26N1 	SM26N2 	SPM-2100-H8 	SW00017-DMRA AES256 
USA-Canada Dealer \$60.84 MSRP \$101.40	USA-Canada Dealer \$60.84 MSRP \$101.40	USA-Canada Dealer \$64.00 MSRP \$70.00	USA-Canada Dealer \$170.00 MSRP \$200.00
Remote Speaker Microphone with emergency button (IP67) (RoHS)	Remote Speaker Microphone with emergency button and 3.5mm audio jack(IP54) (RoHS)	Remote Speaker Microphone (IP56) MILSTD810	Advanced digital encryption license for subscriber. DMRA AES 256 BIT
SW00017-HYTERA ENCR	SW00052		



USA-Canada Dealer \$170.00
MSRP \$200.00



USA-Canada Dealer \$20.00
MSRP \$50.00

Advanced digital encryption license
for subscriber. HYTERA
PROPRIETARY 256 BIT




Priority Interrupt PD6 Series &
MD65X







PD662 | PD662G



Code	Item	USA-Canada Dealer	MSRP
PD662G-U1	DMR Portable UHF GPS 400-527 MHz 1024CH 4W Display Ltd Keypad IP67 1500mAh Li-Ion	\$349.00	\$636.00
PD662G-U1-MD	DMR Portable UHF MAN DOWN GPS 400-527 MHz 1024CH 4W Display Ltd Keypad IP67 1500mAh Li-Ion	\$369.00	\$672.00
PD662G-V1	DMR Portable VHF 136-174MHz (Std Ant 153-164MHz/1575MHz) 1024CH 5W Disp Ltd Key IP67 1500mAh Li-Ion	\$349.00	\$636.00

ADN-02	AN0140H01	AN0148H03	AN0156H01
			
USA-Canada Dealer \$86.58 MSRP \$144.30	USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$24.96 MSRP \$41.60
Wireless adapter (Part of ESW01-N2) PD6XX, X1	ANTENNA VHF STUBBY 136-145MHZ/1575MHZ SMA MALE 9CM (ROHS)	ANTENNA VHF STUBBY 144-154MHZ/1575MHZ SMA MALE 9CM (ROHS)	VHF stubby Antenna for Covert radio, SMA-male 17cm 147-165MHz/1575MHz(RoHS)
AN0158H02	AN0435H17	AN0435W11	AN0485H12

			
USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$29.64 MSRP \$49.40	USA-Canada Dealer \$24.96 MSRP \$41.60

ANTENNA VHF STUBBY 153-164MHZ/1575MHZ SMA MALE 9CM (ROHS)

UHF stubby Antenna for covert radio, SMA-male 9cm 400-470MHz/1575MHz (RoHS)

Antenna 400-470/1575MHZ (U1) SMA-male connector 15cm

Covert UHF stubby antenna SMA-male connector 9cm 450-520/1575MHz UHF Logo (RoHS)

			
USA-Canada Dealer \$1.96 MSRP \$3.27	USA-Canada Dealer \$12.48 MSRP \$20.80	USA-Canada Dealer \$35.88 MSRP \$59.92	USA-Canada Dealer \$60.06 MSRP \$100.10

Belt clip(RoHS)-for PD66X/68X

Carry Holder with Swivel Belt Clip (for PD66X, PD68X)

Battery Li-ion 1500mAh for PD5 and PD6 Series

Battery 2000mAh Li-Ion Battery (RoHS) PD5 & PD6 Series FW R7.0 or above ONLY


			
USA-Canada Dealer \$29.26 MSRP \$48.77	USA-Canada Dealer \$17.55 MSRP \$18.00	USA-Canada Dealer \$45.00 MSRP \$70.00	USA-Canada Dealer \$42.12 MSRP \$70.20

Rapid-Rate Charger (Li-ion / Ni-MH) with PS1014 transformer

Cloning Cable (RoHS) PD6 X1 series Both radios must be in same FW and model

Extended 2 Year Warranty-Mobiles & Portables Only- Total of 5 yrs- Standard Warranty Policies

Surveillance Earpiece with Transparent Acoustic Tube, Single wire Black

			
USA-Canada Dealer \$60.06 MSRP \$100.10	USA-Canada Dealer \$291.72 MSRP \$486.21	USA-Canada Dealer \$35.10 MSRP \$58.50	USA-Canada Dealer \$34.32 MSRP \$57.20





Surveillance Earpiece with Transparent Acoustic Tube, 2-wire Black

Head Set dual muff with boom mic, noise cancelling, Heavy duty (RoHS)

Remote Swivel Earset for X1 & PD6 Series

Remote C-Earset X1 & PD6 Series

ESN14	ESW01	ESW01-N2	MCA05
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USA-Canada Dealer \$31.98 MSRP \$53.30	USA-Canada Dealer \$86.58 MSRP \$144.30	USA-Canada Dealer \$173.16 MSRP \$288.61	USA-Canada Dealer \$1,060.80 MSRP \$1,768.04

Remote Earbud X1 & PD6 Series

Wireless Earpiece (Part of ESW01-N1 and N2)

Wireless Earpiece Kit PD6XX, X1

Battery Optimizing System for PD5, PD6, PD7 PD4 and PT5 Series





MCA08 	NCN011 	PC45 	POA38 
USA-Canada Dealer \$234.00 MSRP \$390.01	USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$25.34 MSRP \$41.18	USA-Canada Dealer \$15.60 MSRP \$26.00

Rapid-Rate Multi Unit Charger DMR for PD7, PD6, PD5 Series & PT580H

Nylon Carrying Jacket PD50X PD60X PD66X PD68X PD4

Programming Cable USB X1 & PD6 Series (ROHS)

BATTERY ADAPTER

POA47 	POA59 	RO03 	SM26N1 
USA-Canada Dealer \$81.90 MSRP \$136.50	USA-Canada Dealer \$8.58 MSRP \$14.30	USA-Canada Dealer \$3.52 MSRP \$5.87	USA-Canada Dealer \$60.84 MSRP \$101.40

Bluetooth PTT for X1 Series

Battery Adapter (for MCA08 and MCA10)(RoHS)

Nylon Hand Strap

Remote Speaker Microphone with emergency button (IP67) (RoHS)

SM26N2 	SPM-2100-H8 	SW00017-DMRA AES256 	SW00017-HYTERA ENCR 
USA-Canada Dealer \$60.84 MSRP \$101.40	USA-Canada Dealer \$64.00 MSRP \$70.00	USA-Canada Dealer \$170.00 MSRP \$200.00	USA-Canada Dealer \$170.00 MSRP \$200.00

Remote Speaker Microphone with emergency button and 3.5mm audio jack(IP54) (RoHS)

Remote Speaker Microphone (IP56) MILSTD810

Advanced digital encryption license for subscriber. DMRA AES 256 BIT

Advanced digital encryption license for subscriber. HYTERA PROPRIETARY 256 BIT

SW00052



USA-Canada Dealer \$20.00

MSRP \$50.00

Priority Interrupt PD6 Series &
MD65X



PD682 | PD682G



Code	Item	USA-Canada Dealer	MSRP
PD682G-U1	DMR Portable GPS UHF 400-527 MHz 1024CH 4W Display Full Keypad IP67 1500mAh Li-Ion	\$376.00	\$685.00
PD682G-U1-MD	DMR Portable Man Down GPS UHF 400-527 MHz 1024CH 4W Display Full Keypad IP67 1500mAh Li-Ion	\$396.00	\$721.00
PD682G-U1-RFB	DMR Portable GPS UHF 400-527 MHz 1024CH 4W Display Full Keypad IP67 1500mAh Li-Ion REFURB 18 MOS WAR	\$376.00	\$685.00
PD682G-V1	DMR Portable VHF 136-174MHz(Std Ant 153-164MHz/1575MHz) 1024CH 5W Disp Full Key IP67 1500mAhLi-Io	\$376.00	\$685.00
PD682U-1	DMR Portable UHF 400-527 MHz 1024CH 4W Display Full Key IP67 1500mAh Li-Ion	\$368.00	\$659.00

ADN-02



USA-Canada Dealer \$86.58
MSRP \$144.30

AN0140H01



USA-Canada Dealer \$24.96
MSRP \$41.60

AN0148H03
































USA-Canada Dealer \$24.96
MSRP \$41.60

AN0156H01



USA-Canada Dealer \$24.96
MSRP \$41.60

Wireless adapter (Part of ESW01-N2) PD6XX, X1	ANTENNA VHF STUBBY 136-145MHZ/1575MHZ SMA MALE 9CM (ROHS)	ANTENNA VHF STUBBY 144-154MHZ/1575MHZ SMA MALE 9CM (ROHS)	VHF stubby Antenna for Covert radio, SMA-male 17cm 147-165MHz/1575MHz(RoHS)
AN0158H02 	AN0435H17 	AN0435W11 	AN0485H12 
USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$29.64 MSRP \$49.40	USA-Canada Dealer \$24.96 MSRP \$41.60
ANTENNA VHF STUBBY 153-164MHZ/1575MHZ SMA MALE 9CM (ROHS)	UHF stubby Antenna for covert radio, SMA-male 9cm 400-470MHz/1575MHz (RoHS)	Antenna 400-470/1575MHz (U1) SMA-male connector 15cm	Covert UHF stubby antenna SMA-male connector 9cm 450-520/1575MHz UHF Logo (RoHS)
BC22 	BC26 	BL1504 	CH10A07-PS1014 
USA-Canada Dealer \$1.96 MSRP \$3.27	USA-Canada Dealer \$12.48 MSRP \$20.80	USA-Canada Dealer \$35.88 MSRP \$59.92	USA-Canada Dealer \$29.26 MSRP \$48.77
Belt clip(RoHS)-for PD66X/68X	Carry Holder with Swivel Belt Clip (for PD66X, PD68X)	Battery Li-ion 1500mAh for PD5 and PD6 Series	Rapid-Rate Charger (Li-ion / Ni-MH) with PS1014 transformer
CHV09 	CP15 	DMR-EW 	EAN22 
USA-Canada Dealer \$38.22 MSRP \$63.70	USA-Canada Dealer \$17.55 MSRP \$18.00	USA-Canada Dealer \$45.00 MSRP \$70.00	USA-Canada Dealer \$42.12 MSRP \$70.20
Vehicle Charger Adapter 11-25V DC 12V/1A DC	Cloning Cable (RoHS) PD6 X1 series Both radios must be in same FW and model	Extended 2 Year Warranty-Mobiles & Portables Only- Total of 5 yrs- Standard Warranty Policies	Surveillance Earpiece with Transparent Acoustic Tube, Single wire Black
EAN24 	ECN21 	EHN20 	EHN21 
USA-Canada Dealer \$60.06 MSRP \$100.10	USA-Canada Dealer \$291.72 MSRP \$486.21	USA-Canada Dealer \$35.10 MSRP \$58.50	USA-Canada Dealer \$34.32 MSRP \$57.20
Surveillance Earpiece with	Head Set dual muff with boom mic,	Remote Swivel Earset for X1 & PD6	Remote C-Earset X1 & PD6 Series

Transparent Acoustic Tube, 2-wire Black	noise cancelling, Heavy duty (RoHS)	Series	
ESN14 	ESW01 	ESW01-N2 	MCA05 
USA-Canada Dealer \$31.98 MSRP \$53.30	USA-Canada Dealer \$86.58 MSRP \$144.30	USA-Canada Dealer \$173.16 MSRP \$288.61	USA-Canada Dealer \$1,060.80 MSRP \$1,768.04
Remote Earbud X1 & PD6 Series	Wireless Earpiece (Part of ESW01-N1 and N2)	Wireless Earpiece Kit PD6XX, X1	Battery Optimizing System for PD5, PD6, PD7 PD4 and PT5 Series
MCA08 	NCN011 	PC45 	POA38 
USA-Canada Dealer \$234.00 MSRP \$390.01	USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$25.34 MSRP \$41.18	USA-Canada Dealer \$15.60 MSRP \$26.00
Rapid-Rate Multi Unit Charger DMR for PD7, PD6, PD5 Series & PT580H	Nylon Carrying Jacket PD50X PD60X PD66X PD68X PD4	Programming Cable USB X1 & PD6 Series (ROHS)	BATTERY ADAPTER
POA47 	POA59 	RO03 	SPM-2100-H8 
USA-Canada Dealer \$81.90 MSRP \$136.50	USA-Canada Dealer \$8.58 MSRP \$14.30	USA-Canada Dealer \$3.52 MSRP \$5.87	USA-Canada Dealer \$64.00 MSRP \$70.00
Bluetooth PTT for X1 Series	Battery Adapter (for MCA08 and MCA10)(RoHS)	Nylon Hand Strap	Remote Speaker Microphone (IP56) MILSTD810
SW00052 			
USA-Canada Dealer \$20.00 MSRP \$50.00			
Priority Interrupt PD6 Series & MD65X			




PD702 | PD702G



Code	Item	USA-Canada Dealer	MSRP
PD702G-U1	DMR PORTABLE GPS UHF 400-470 MHz 32CH 4W NON DISPLAY 2000mAh	\$359.00	\$806.00
PD702G-U2	DMR PORTABLE GPS UHF 450-520 MHz 32CH 4W NON DISPLAY 2000mAh	\$359.00	\$806.00
PD702G-V1	DMR PORTABLE GPS VHF 136-174 MHz 32CH 5W NON DISPLAY STD ANTENNA 147-160MHZ	\$359.00	\$806.00
PD702G-V1-RFB	DMR PORTABLE GPS VHF 136-174 MHz 32CH 5W NON DISPLAY STD ANTENNA 147-160MHZ REFURNISHED 1 YEAR WARR	\$359.00	\$806.00
PD702U-1	DMR PORTABLE UHF 400-470 MHz 32CH 4W NON DISPLAY 2000 mAh	\$339.00	\$776.00
PD702U-2	DMR PORTABLE UHF 450-520 MHz 32CH 4W NON DISPLAY 2000mAh	\$339.00	\$776.00
PD702U-2-RFB	DMR PORTABLE UHF 450-520 MHz 32CH 4W NON DISPLAY REFURNISHED 18 MOS WARRANTY	\$339.00	\$776.00
PD702V-1	DMR PORTABLE VHF 136-174 MHz 32CH 5W NON DISPLAY STD ANTENNA 147-160MHZ 2000mAh	\$339.00	\$776.00
PD702V-1-RFB	DMR PORTABLE VHF 136-174 MHz 32CH 5W NON DISPLAY STD ANTENNA 147-160MHZ	\$339.00	\$776.00

REFURBISHED 18MOS WARRANTY

<p>ACN-01</p>  <p>USA-Canada Dealer \$15.60 MSRP \$26.00</p>	<p>ADN-01</p>  <p>USA-Canada Dealer \$86.58 MSRP \$144.30</p>	<p>AN0141H03</p>  <p>USA-Canada Dealer \$12.00 MSRP \$20.00</p>	<p>AN0153H06</p>  <p>USA-Canada Dealer \$12.32 MSRP \$20.53</p>
<p>PTT&MIC cable(for use with Receive-Only Earpiece)</p>	<p>Wireless adapter (part of ESW01-N1) PD70X PD78X</p>	<p>ANTENNA VHF SMA 136-147MHz/1575MHz (RoHS) 17cm 6.7Inches</p>	<p>VHF stout and long antenna SMA connector 147-160MHz PD78X PD78XG PD70X PD70XG</p>
<p>AN0155H02</p>  <p>USA-Canada Dealer \$18.00 MSRP \$30.00</p>	<p>AN0167H03</p>  <p>USA-Canada Dealer \$12.00 MSRP \$20.00</p>	<p>AN0350H01</p>  <p>USA-Canada Dealer \$12.00 MSRP \$20.00</p>	<p>AN0375H02</p>  <p>USA-Canada Dealer \$12.00 MSRP \$20.00</p>
<p>VHF ANTENNA SMA CONNECTOR 136-174MHZ/1575MHZ PD70X PD78X 8IN LENGTH</p>	<p>Antenna VHF SMA 160-174MHz/1575MHz AN0167H03 (RoHS)</p>	<p>ANTENNA UHF SMA 330-370MHz/1575MHz AN0350H01 (RoHS)</p>	<p>ANTENNA UHF SMA 350-400MHz/1575MHz AN0375H01 (RoHS)</p>
<p>AN0435H02</p>  <p>USA-Canada Dealer \$12.00 MSRP \$20.00</p>	<p>AN0485H01</p>  <p>USA-Canada Dealer \$10.00 MSRP \$16.67</p>	<p>AN0873H02</p>  <p>USA-Canada Dealer \$14.04 MSRP \$23.40</p>	<p>BC19</p>  <p>USA-Canada Dealer \$3.52 MSRP \$5.87</p>
<p>UHF Stubby antenna 400-470MHz/1575MHz SMA connector PD78X PD70X PT580H GPS</p>	<p>UHF STUBBY ANTENNA 450-520MHZ SMA CONNECTOR 9CM/3.5 INCHES</p>	<p>Antenna UHF SMA 806-941MHz/1575MHz Hytera Logo (RoHS)</p>	<p>Spring Belt Clip DMR Portable-Screws (HYT-7103006004000) sold separately</p>
<p>BL2008</p>  <p>USA-Canada Dealer \$60.06 MSRP \$100.30</p>	<p>BL2411-EX</p>  <p>USA-Canada Dealer \$117.00 MSRP \$195.39</p>	<p>BL2503</p>  <p>USA-Canada Dealer \$62.40 MSRP \$104.21</p>	<p>BL3001</p>  <p>USA-Canada Dealer \$85.80 MSRP \$143.29</p>
<p>Battery Li-ion 2000 mAh IP67</p>	<p>BATTERY 2400mAh Li-ION UL913 IS</p>	<p>Battery Li-ion 2500 mAh IP67 for PD7 Series</p>	<p>Battery 3000mAh Li-ion (RoHS)</p>

<p>CH10A05-PS2002</p> 	<p>CH10A07-PS1014</p> 	<p>CHV09</p> 	<p>CK03</p> 
USA-Canada Dealer \$45.64 MSRP \$76.07	USA-Canada Dealer \$29.26 MSRP \$48.77	USA-Canada Dealer \$38.22 MSRP \$63.70	USA-Canada Dealer \$273.00 MSRP \$455.01

CHARGER MCU DUALSLOTS
PD78X/PD70X/PT580H/PD79XEX

Rapid-Rate Charger (Li-ion / Ni-MH)
with PS1014 transformer

Vehicle Charger Adapter 11-25V DC
12V/1A DC

Radio Car Kit (standard version
includes power cable + Mounting
bracket +RF adapter)PD7XX PD78X


<p>CK03-S</p> 	<p>CP14</p> 	<p>DMR-EW</p> 	<p>EAN18</p> 
USA-Canada Dealer \$128.70 MSRP \$214.50	USA-Canada Dealer \$19.50 MSRP \$20.00	USA-Canada Dealer \$45.00 MSRP \$70.00	USA-Canada Dealer \$35.20 MSRP \$58.67

Radio Car Kit(simple version includes
power cable + Mounting bracket)

Cloning cable (RoHS) PD7 series-
Both radios must be on same FW
and model

Extended 2 Year Warranty-Mobiles
& Portables Only- Total of 5 yrs-
Standard Warranty Policies

Surveillance Earpiece 3-Wire with
Transparent Acoustic Tube (Black)



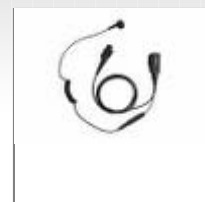
<p>EAN23</p> 	<p>ECN18</p> 	<p>EH01</p> 	<p>EH02</p> 
USA-Canada Dealer \$31.98 MSRP \$53.30	USA-Canada Dealer \$281.58 MSRP \$469.31	USA-Canada Dealer \$8.58 MSRP \$14.30	USA-Canada Dealer \$9.36 MSRP \$15.60

Earpiece, w/ On-Mic PTT,DMR

Noise cancellation headset(RoHS)
Heavy Duty

Earloop C-Style Recieve Only PD7
Series & PT5 Series

EARHOOK ADJUSTABLE W SWIVEL
SPEAKER RECEIVE ONLY (FOR USE
WITH PTT & MIC CABLE)

<p>EHN16</p> 	<p>EHN17</p> 	<p>ES01</p> 	<p>ESN12</p> 
USA-Canada Dealer \$23.40 MSRP \$39.00	USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$5.86 MSRP \$9.77	USA-Canada Dealer \$21.06 MSRP \$35.10

C-EARSET

Earpiece Swivel

Earbud Recieve Only PD7 Series
PT580H PD79XEX

EARBUD

<p>ESS07</p>	<p>ESW01</p>	<p>ESW01-N1</p>	<p>HNK100</p>
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USA-Canada Dealer \$5.28
MSRP \$8.80

Receive-Only Earbud for Remote Speaker Mic Use Only



USA-Canada Dealer \$86.58
MSRP \$144.30

Wireless Earpiece (Part of ESW01-N1 and N2)



USA-Canada Dealer \$173.16
MSRP \$288.61

Wireless Earpiece Kit PD7 and PT5 Series



USA-Canada Dealer \$147.00
MSRP \$245.00

HEADSET ONLY, DUAL MUFF HIGH NOISE BEHIND THE HEAD-PTT CORD MUST BE PURCHASED SEPERATELY

HNKW-PDX-LG



USA-Canada Dealer \$64.00
MSRP \$106.67

CABLE ASSY PTT LARGE FOR HNK100 HEADSET PD70X/PD78X DMR

HY1055-3BWD KIT



USA-Canada Dealer \$32.28
MSRP \$53.80

LEATHER CASE, PD70X SWIVEL, D-RINGS, NYLON SHOULDER STRAP

HY1055-CBWD KIT



USA-Canada Dealer \$27.08
MSRP \$45.13

NYLON CASE, PD70X SWIVEL, D-RINGS, NYLON SHOULDER STRAP

HYT-PS1014



USA-Canada Dealer \$10.56
MSRP \$17.60

POWER ADAPTER 110-240VAC US STD PLUG

HYT-PS7501



USA-Canada Dealer \$72.16
MSRP \$120.27

Power adapter switching MCU MCN05/MCA02/MCA03/MC08/MCL15

LCBN13



USA-Canada Dealer \$26.14
MSRP \$43.57

Universal Nylon Chest Pack for Portable- Black (ROHS)

LCY006



USA-Canada Dealer \$23.40
MSRP \$39.00

Leather Carring Case (Swivel) Soft Leather for Higher Capacity Battery

LCYY02



USA-Canada Dealer \$6.68
MSRP \$11.13

Waterproof Bag

MCA05



USA-Canada Dealer \$1,060.80
MSRP \$1,768.04

Battery Optimizing System for PD5, PD6, PD7 PD4 and PT5 Series

MCA08



USA-Canada Dealer \$234.00
MSRP \$390.01

Rapid-Rate Multi Unit Charger DMR for PD7, PD6, PD5 Series & PT580H

PC38



USA-Canada Dealer \$24.96
MSRP \$40.56

Programming Cable PD7 Series (USB)

POA38



USA-Canada Dealer \$15.60
MSRP \$26.00




BATTERY ADAPTER

POA47

POA68

PS7002

RO04

			
USA-Canada Dealer \$81.90	USA-Canada Dealer \$50.70	USA-Canada Dealer \$104.14	USA-Canada Dealer \$3.52
MSRP \$136.50	MSRP \$84.50	MSRP \$173.57	MSRP \$5.87

Bluetooth PTT for X1 Series

RF adapter which automatically switch to mobile antenna to enlarge coverage CK KITS

SIX UNIT SWITCHING POWER SUPPLY 100-240VAC 12VDC 7A (ROHS)

Leather Hand Strap

SM09S1 	SM18N2 	SM26N3 	SPM-2255 
USA-Canada Dealer \$93.60	USA-Canada Dealer \$54.60	USA-Canada Dealer \$60.84	USA-Canada Dealer \$40.00
MSRP \$156.00	MSRP \$91.00	MSRP \$101.40	MSRP \$48.00

External speaker for CK03

Remote Speaker Microphone IP67 Earpiece jack 3.5mm, Emergency button PD7 PD7UL913

Remote Speaker Microphone with emergency button (IP67) (RoHS) PD7 PT580H

Remote Speaker Microphone (IP56) MILSTD810

SW00017-DMRA AES256 	SW00017-HYTERA ENCR 
USA-Canada Dealer \$170.00	USA-Canada Dealer \$170.00
MSRP \$200.00	MSRP \$200.00

Advanced digital encryption license for subscriber. DMRA AES 256 BIT

Advanced digital encryption license for subscriber. HYTERA PROPRIETARY 256 BIT







PD702G | UL913



Code	Item	USA-Canada Dealer	MSRP
PD702G-U1 UL913	DMR PORTABLE UL913 GPS MAN DOWN UHF 400-470 MHz 32CH 4W NON DISPLAY	\$424.00	\$1,075.00
PD702G-U2 UL913	DMR PORTABLE UL913 GPS MAN DOWN UHF 450-520 MHz 32CH 4W NON DISPLAY	\$424.00	\$1,075.00
PD702G-V1 UL913	DMR PORTABLE UL913 GPS MAN DOWN VHF 136-174 MHz 32CH 5W NON DISPLAY STD ANTENNA 147-160MHZ	\$424.00	\$1,075.00

ACN-01	ADN-01	AN0141H03	AN0155H02
			
USA-Canada Dealer \$15.60 MSRP \$26.00	USA-Canada Dealer \$86.58 MSRP \$144.30	USA-Canada Dealer \$12.00 MSRP \$20.00	USA-Canada Dealer \$18.00 MSRP \$30.00
PTT&MIC cable(for use with Receive-Only Earpiece)	Wireless adapter (part of ESW01-N1) PD70X PD78X	ANTENNA VHF SMA 136-147MHz/1575MHz (RoHS) 17cm 6.7inches	VHF ANTENNA SMA CONNECTOR 136-174MHz/1575MHz PD70X PD78X 8IN LENGTH

AN0167H03	AN0350H01	AN0375H02	AN0435H02

			
USA-Canada Dealer \$12.00 MSRP \$20.00	USA-Canada Dealer \$12.00 MSRP \$20.00	USA-Canada Dealer \$12.00 MSRP \$20.00	USA-Canada Dealer \$12.00 MSRP \$20.00

Antenna VHF SMA 160-174MHz/1575MHz AN0167H03 (RoHS)

ANTENNA UHF SMA 330-370MHz/1575MHz AN0350H01 (RoHS)

ANTENNA UHF SMA 350-400MHz/1575MHz AN0375H01 (RoHS)

UHF Stubby antenna 400-470MHz/1575MHz SMA connector PD78X PD70X PT580H GPS





AN0485H01 	AN0873H02 	BL2411-EX 	CP14 
USA-Canada Dealer \$10.00 MSRP \$16.67	USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$117.00 MSRP \$195.39	USA-Canada Dealer \$19.50 MSRP \$20.00

UHF STUBBY ANTENNA 450-520MHZSMA CONNECTOR 9CM/3.5 INCHES

Antenna UHF SMA 806-941MHz/1575MHz Hytera Logo (RoHS)

BATTERY 2400mAh Li-ION UL913 IS

Cloning cable (RoHS) PD7 series- Both radios must be on same FW and model


DMR-EW 	ECN18 	EH01 	EHN16 
USA-Canada Dealer \$45.00 MSRP \$70.00	USA-Canada Dealer \$281.58 MSRP \$469.31	USA-Canada Dealer \$8.58 MSRP \$14.30	USA-Canada Dealer \$23.40 MSRP \$39.00

Extended 2 Year Warranty-Mobiles & Portables Only- Total of 5 yrs- Standard Warranty Policies

Noise cancellation headset(RoHS) Heavy Duty

Earloop C-Style Recieve Only PD7 Series & PT5 Series

C-EARSET

EHN17 	ES01 	ESW01-N1 	LCYY02 
USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$5.86 MSRP \$9.77	USA-Canada Dealer \$173.16 MSRP \$288.61	USA-Canada Dealer \$6.68 MSRP \$11.13

Earpiece Swivel

Earbud Recieve Only PD7 Series PT580H PD79XEX

Wireless Earpiece Kit PD7and PT5 Series

Waterproof Bag

MCA05	PC38	RO04	SM18N2
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USA-Canada Dealer \$1,060.80
 MSRP \$1,768.04



USA-Canada Dealer \$24.96
 MSRP \$40.56



USA-Canada Dealer \$3.52
 MSRP \$5.87



USA-Canada Dealer \$54.60
 MSRP \$91.00

Battery Optimizing System for PD5,
 PD6, PD7 PD4 and PT5 Series

Programming Cable PD7 Series
 (USB)

Leather Hand Strap

Remote Speaker Microphone IP67
 Earpiece jack 3.5mm, Emergency
 button PD7 PD7UL913



PD752 | PD752G



Code	Item	USA-Canada Dealer	MSRP
PD752G-U1	DMR PORTABLE GPS UHF 400-470 MHz 1024CH 4W DISPLAY LTD KEYPAD	\$398.00	\$853.00
PD752G-U1-MD	DMR PORTABLE GPS UHF MAN DOWN 400-470 MHz 1024CH 4W DISPLAY LTD KEYPAD	\$418.00	\$893.00
PD752G-U2	DMR PORTABLE GPS UHF 450-520MHz 1024CH 4W DISPLAY LTD KEYPAD	\$398.00	\$853.00
PD752G-U2-MD	DMR PORTABLE GPS UHF MAN DOWN 450-520 MHz 1024CH 4W DISPLAY LTD KEYPAD	\$418.00	\$893.00
PD752G-V1	DMR PORTABLE GPS VHF 136-174MHz (STD ANTENNA 147-160) 1024CH 4W DISPLAY LTD KEYPAD	\$398.00	\$853.00
PD752G-V1-MD	DMR PORTABLE GPS VHF MAN DOWN 136-174MHz (STD ANTENNA 147-160) 1024CH 4W DISPLAY LTD KEYPAD	\$418.00	\$893.00
PD752U-2	DMR PORTABLE UHF 450-520MHz 1024CH 4W DISPLAY LTD KEYPAD	\$389.00	\$853.00

ADN-01



AN0141H03



AN0155H02



AN0167H03



USA-Canada Dealer	\$86.58	USA-Canada Dealer	\$12.00	USA-Canada Dealer	\$18.00	USA-Canada Dealer	\$12.00
MSRP	\$144.30	MSRP	\$20.00	MSRP	\$30.00	MSRP	\$20.00

Wireless adapter (part of ESW01-N1) PD70X PD78X

ANTENNA VHF SMA 136-147MHZ/1575MHZ (RoHS) 17cm 6.7inches

VHF ANTENNA SMA CONNECTOR 136-174MHZ/1575MHZ PD70X PD78X 8IN LENGTH

Antenna VHF SMA 160-174MHZ/1575MHZ AN0167H03 (RoHS)

AN0350H01



USA-Canada Dealer \$12.00
MSRP \$20.00

AN0375H02



USA-Canada Dealer \$12.00
MSRP \$20.00

AN0435H02



USA-Canada Dealer \$12.00
MSRP \$20.00

AN0485H01



USA-Canada Dealer \$10.00
MSRP \$16.67

ANTENNA UHF SMA 330-370MHZ/1575MHZ AN0350H01 (RoHS)

ANTENNA UHF SMA 350-400MHZ/1575MHZ AN0375H01 (RoHS)

UHF Stubby antenna 400-470MHZ/1575MHZ SMA connector PD78X PD70X PT580H GPS

UHF STUBBY ANTENNA 450-520MHZ SMA CONNECTOR 9CM/3.5 INCHES

AN0873H02



USA-Canada Dealer \$14.04
MSRP \$23.40

BL2008



USA-Canada Dealer \$60.06
MSRP \$100.30

BL2503



USA-Canada Dealer \$62.40
MSRP \$104.21

BL3001



USA-Canada Dealer \$85.80
MSRP \$143.29

Antenna UHF SMA 806-941MHZ/1575MHZ Hytera Logo (RoHS)

Battery Li-ion 2000 mAh IP67

Battery Li-ion 2500 mAh IP67 for PD7 Series

Battery 3000mAh Li-ion (RoHS)

CH10A07-PS1014



USA-Canada Dealer \$29.26
MSRP \$48.77

CHV09



USA-Canada Dealer \$38.22
MSRP \$63.70

CP14



USA-Canada Dealer \$19.50
MSRP \$20.00

DMR-EW



USA-Canada Dealer \$45.00
MSRP \$70.00

Rapid-Rate Charger (Li-ion / Ni-MH) with PS1014 transformer

Vehicle Charger Adapter 11-25V DC 12V/1A DC

Cloning cable (RoHS) PD7 series- Both radios must be on same FW and model

Extended 2 Year Warranty-Mobiles & Portables Only- Total of 5 yrs- Standard Warranty Policies

EAN18



EAN23



ECN18



EH01



USA-Canada Dealer	\$35.20	USA-Canada Dealer	\$31.98	USA-Canada Dealer	\$281.58	USA-Canada Dealer	\$8.58
MSRP	\$58.67	MSRP	\$53.30	MSRP	\$469.31	MSRP	\$14.30

Surveillance Earpiece 3-Wire with
Transparent Acoustic Tube (Black)

Earpiece, w/ On-Mic PTT,DMR

Noise cancellation headset(RoHS)
Heavy Duty

Earloop C-Style Recieve Only PD7
Series & PT5 Series

EH02



EHN16



EHN17



ES01



USA-Canada Dealer \$9.36
MSRP \$15.60

USA-Canada Dealer \$23.40
MSRP \$39.00

USA-Canada Dealer \$24.96
MSRP \$41.60

USA-Canada Dealer \$5.86
MSRP \$9.77

EARHOOK ADJUSTABLE W SWIVEL
SPEAKER RECEIVE ONLY (FOR USE
WITH PTT & MIC CABLE)

C-EARSET

Earpiece Swivel

Earbud Recieve Only PD7 Series
PT580H PD79XEX

ESN12



ESS07



ESW01-N1



HNK100



USA-Canada Dealer \$21.06
MSRP \$35.10

USA-Canada Dealer \$5.28
MSRP \$8.80

USA-Canada Dealer \$173.16
MSRP \$288.61

USA-Canada Dealer \$147.00
MSRP \$245.00

EARBUD

Receive-Only Earbud for Remote
Speaker Mic Use Only

Wireless Earpiece Kit PD7and PT5
Series

HEADSET ONLY, DUAL MUFF HIGH
NOISE BEHIND THE HEAD-PTT
CORD MUST BE PURCHASED
SEPERATELY

HNKW-PDX-LG



HY1050-AWD-KIT



HY1050-CAWD Kit



LCBN13



USA-Canada Dealer \$64.00
MSRP \$106.67

USA-Canada Dealer \$42.02
MSRP \$70.03

USA-Canada Dealer \$32.28
MSRP \$53.80

USA-Canada Dealer \$26.14
MSRP \$43.57

CABLE ASSY PTT LARGE FOR
HNK100 HEADSET PD70X/PD78X
DMR

LEATHER CASE, PD78X, SWIVEL, D-
RINGS, NYLON SHOULDER STRAP
WITH HYTERA LOGO ON SIDES

NYLON CASE, PD78X, SWIVEL, D-
RINGS, NYLON SHOULDER STRAP,
PLASTIC FACE COVER FOR DISPLAY,
KEYS OPEN

Universal Nylon Chest Pack for
Portable- Black (ROHS)

LCY02



MCA05



MCA08



PC38



USA-Canada Dealer	\$6.68	USA-Canada Dealer	\$1,060.80	USA-Canada Dealer	\$234.00	USA-Canada Dealer	\$24.96
MSRP	\$11.13	MSRP	\$1,768.04	MSRP	\$390.01	MSRP	\$40.56

Waterproof Bag

Battery Optimizing System for PD5, PD6, PD7 PD4 and PT5 Series

Rapid-Rate Multi Unit Charger DMR for PD7, PD6, PD5 Series & PT580H

Programming Cable PD7 Series (USB)

POA38



PS7002



RO04



SM18N2



USA-Canada Dealer \$15.60
MSRP \$26.00

USA-Canada Dealer \$104.14
MSRP \$173.57

USA-Canada Dealer \$3.52
MSRP \$5.87

USA-Canada Dealer \$54.60
MSRP \$91.00

BATTERY ADAPTER

SIX UNIT SWITCHING POWER SUPPLY 100-240VAC 12VDC 7A (ROHS)

Leather Hand Strap

Remote Speaker Microphone IP67 Earpiece jack 3.5mm, Emergency button PD7 PD7UL913

SM26N3



SPM-2255



USA-Canada Dealer \$60.84
MSRP \$101.40

USA-Canada Dealer \$40.00
MSRP \$48.00

Remote Speaker Microphone with emergency button (IP67) (RoHS) PD7 PT580H

Remote Speaker Microphone (IP56) MILSTD810



PD782 | PD782G



Code	Item	USA-Canada Dealer	MSRP
PD782G-U1	DMR PORTABLE GPS UHF 400-470 MHz 1024CH 4W DISPLAY 2000 mAh Li-Ion	\$419.00	\$899.00
PD782G-U1-MD	DMR PORTABLE MAN DOWN GPS UHF 400-470 MHz 1024CH 4W DISP	\$453.00	\$977.00
PD782G-U2	DMR PORTABLE GPS UHF 450-520 MHz 1024CH 4W DISPLAY	\$419.00	\$899.00
PD782G-U2-MD	DMR PORTABLE MAN DOWN GPS UHF 450-520 MHz 1024CH 4W DISPLAY	\$453.00	\$977.00
PD782G-U5	DMR PORTABLE GPS 806-870 1-3W 896-941 MHz 1-2.5w 1024CH DISP 2000mAh Li-Ion DMR II	\$425.00	\$913.00
PD782G-V1	DMR PORTABLE GPS VHF 136-174 MHz 1024CH 5W DISPLAY STD ANTENNA 147-160MHZ 2000mAh	\$419.00	\$899.00
PD782G-V1-MD	DMR PORTABLE GPS MAN DOWN VHF 136-174 MHz 1024CH 5W DISPLAY STD ANTENNA 147-160MHZ	\$453.00	\$977.00
PD782G-V1-RFB	DMR PORTABLE GPS VHF 136-174 MHz 1024CH 5W DISPLAY STD ANTENNA 147-160MHZ REFURBISHED 18MOS WARRANTY	\$419.00	\$899.00
PD782U-1	DMR PORTABLE UHF 400-470 MHz 1024CH 4W DISPLAY 2000mAh Li-Ion	\$399.00	\$843.00

PD782U-1-MD	DMR PORTABLE MAN DOWN UHF 400-470 MHz 1024CH 4W DISPLAY	\$423.00	\$925.00
PD782U-1-RFB	DMR PORTABLE UHF 400-470 MHz 1024CH 4W DISPLAY REFURBISHED 18 MOS WARRANTY	\$399.00	\$843.00
PD782U-2	DMR PORTABLE UHF 450-520 MHz 1024CH 4W DISPLAY 2000 mAh Li-Ion	\$399.00	\$843.00
PD782U-2-MD	DMR PORTABLE MAN DOWN UHF 450-520 MHz 1024CH 4W DISPLAY	\$423.00	\$925.00
PD782V-1	DMR PORTABLE VHF 136-174 MHz 1024CH 5W DISPLAY STD ANTENNA 147-160MHZ 2000mAh	\$399.00	\$843.00
PD782V-1-MD	DMR PORTABLE MAN DOWN VHF 136-174 MHz 1024CH 5W DISPLAY STD ANTENNA 147-160MHZ	\$423.00	\$925.00
PD782V-1-RFB	DMR PORTABLE VHF 136-174 MHz 1024CH 5W DISPLAY STD ANTENNA 147-160MHZ REFURBISHED 1 YR WARRANTY	\$399.00	\$843.00

ACN-01 	ADN-01 	AN0141H03 	AN0153H06 
USA-Canada Dealer \$15.60 MSRP \$26.00	USA-Canada Dealer \$86.58 MSRP \$144.30	USA-Canada Dealer \$12.00 MSRP \$20.00	USA-Canada Dealer \$12.32 MSRP \$20.53

PTT&MIC cable(for use with Receive-Only Earpiece)

Wireless adapter (part of ESW01-N1) PD70X PD78X

ANTENNA VHF SMA 136-147MHz/1575MHz (RoHS) 17cm 6.7inches

VHF stout and long antenna SMA connector 147-160MHz PD78X PD78XG PD70X PD70XG





AN0155H02 	AN0167H03 	AN0350H01 	AN0375H02 
USA-Canada Dealer \$18.00 MSRP \$30.00	USA-Canada Dealer \$12.00 MSRP \$20.00	USA-Canada Dealer \$12.00 MSRP \$20.00	USA-Canada Dealer \$12.00 MSRP \$20.00

















VHF ANTENNA SMA CONNECTOR 136-174MHZ/1575MHZ PD70X PD78X 8IN LENGTH

















Antenna VHF SMA 160-174MHz/1575MHz AN0167H03 (RoHS)












ANTENNA UHF SMA 330-370MHz/1575MHz AN0350H01 (RoHS)

ANTENNA UHF SMA 350-400MHz/1575MHz AN0375H01 (RoHS)

AN0435H02 	AN0485H01 	AN0873H02 	BC19 
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USA-Canada Dealer \$12.00 MSRP \$20.00	USA-Canada Dealer \$10.00 MSRP \$16.67	USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$3.52 MSRP \$5.87
UHF Stubby antenna 400-470MHz/1575MHz SMA connector PD78X PD70X PT580H GPS	UHF STUBBY ANTENNA 450-520MHZSMA CONNECTOR 9CM/3.5 INCHES	Antenna UHF SMA 806-941MHZ/1575MHZ Hytera Logo (RoHS)	Spring Belt Clip DMR Portable-Screws (HYT-7103006004000) sold seperately
BL2008 	BL2503 	BL3001 	CH10A05-PS2002 
USA-Canada Dealer \$60.06 MSRP \$100.30	USA-Canada Dealer \$62.40 MSRP \$104.21	USA-Canada Dealer \$85.80 MSRP \$143.29	USA-Canada Dealer \$45.64 MSRP \$76.07
Battery Li-ion 2000 mAh IP67	Battery Li-ion 2500 mAh IP67 for PD7 Series	Battery 3000mAh Li-ion (RoHS)	CHARGER MCU DUALSLOTS PD78X/PD70X/PT580H/PD79XEX
CH10A07-PS1014 	CHV09 	CK03 	CK03-S 
USA-Canada Dealer \$29.26 MSRP \$48.77	USA-Canada Dealer \$38.22 MSRP \$63.70	USA-Canada Dealer \$273.00 MSRP \$455.01	USA-Canada Dealer \$128.70 MSRP \$214.50
Rapid-Rate Charger (Li-ion / Ni-MH) with PS1014 transformer	Vehicle Charger Adapter 11-25V DC 12V/1A DC	Radio Car Kit (standard version includes power cable + Mounting bracket +RF adapter)PD7XX PD78X	Radio Car Kit(simple version includes power cable + Mounting bracket)
CP14 	DMR-EW 	EAN18 	EAN23 
USA-Canada Dealer \$19.50 MSRP \$20.00	USA-Canada Dealer \$45.00 MSRP \$70.00	USA-Canada Dealer \$35.20 MSRP \$58.67	USA-Canada Dealer \$31.98 MSRP \$53.30
Cloning cable (RoHS) PD7 series- Both radios must be on same FW and model	Extended 2 Year Warranty-Mobiles & Portables Only- Total of 5 yrs- Standard Warranty Policies	Surveillance Earpiece 3-Wire with Transparent Acoustic Tube (Black)	Earpiece, w/ On-Mic PTT,DMR
ECN18 	EH01 	EH02 	EHN16 
USA-Canada Dealer \$281.58	USA-Canada Dealer \$8.58	USA-Canada Dealer \$9.36	USA-Canada Dealer \$23.40

MSRP	\$469.31	MSRP	\$14.30	MSRP	\$15.60	MSRP	\$39.00
Noise cancellation headset(RoHS) Heavy Duty		Earloop C-Style Recieve Only PD7 Series & PT5 Series		EARHOOK ADJUSTABLE W SWIVEL SPEAKER RECEIVE ONLY (FOR USE WITH PTT & MIC CABLE)		C-EARSET	
EHN17		ES01		ESN12		ESS07	
USA-Canada Dealer	\$24.96	USA-Canada Dealer	\$5.86	USA-Canada Dealer	\$21.06	USA-Canada Dealer	\$5.28
MSRP	\$41.60	MSRP	\$9.77	MSRP	\$35.10	MSRP	\$8.80
Earpiece Swivel		Earbud Recieve Only PD7 Series PT580H PD79XEX		EARBUD		Receive-Only Earbud for Remote Speaker Mic Use Only	
ESW01		ESW01-N1		HNK100		HNKW-PDX-LG	
USA-Canada Dealer	\$86.58	USA-Canada Dealer	\$173.16	USA-Canada Dealer	\$147.00	USA-Canada Dealer	\$64.00
MSRP	\$144.30	MSRP	\$288.61	MSRP	\$245.00	MSRP	\$106.67
Wireless Earpiece (Part of ESW01- N1 and N2)		Wireless Earpiece Kit PD7and PT5 Series		HEADSET ONLY, DUAL MUFF HIGH NOISE BEHIND THE HEAD-PTT CORD MUST BE PURCHASED SEPERATELY		CABLE ASSY PTT LARGE FOR HNK100 HEADSET PD70X/PD78X DMR	
HY1050-AWD-KIT		HY1050-CAWD Kit		LCBN13		LCY006	
USA-Canada Dealer	\$42.02	USA-Canada Dealer	\$32.28	USA-Canada Dealer	\$26.14	USA-Canada Dealer	\$23.40
MSRP	\$70.03	MSRP	\$53.80	MSRP	\$43.57	MSRP	\$39.00
LEATHER CASE, PD78X, SWIVEL, D- RINGS, NYLON SHOULDER STRAP WITH HYTERA LOGO ON SIDES		NYLON CASE, PD78X, SWIVEL, D- RINGS, NYLON SHOULDER STRAP, PLASTIC FACE COVER FOR DISPLAY, KEYS OPEN		Universal Nylon Chest Pack for Portable- Black (ROHS)		Leather Carring Case (Swivel) Soft Leather for Higher Capacity Battery	
LCYY02		MCA05		MCA08		PC38	

USA-Canada Dealer MSRP	\$6.68 \$11.13	USA-Canada Dealer MSRP	\$1,060.80 \$1,768.04	USA-Canada Dealer MSRP	\$234.00 \$390.01	USA-Canada Dealer MSRP	\$24.96 \$40.56
Waterproof Bag		Battery Optimizing System for PD5, PD6, PD7 PD4 and PT5 Series		Rapid-Rate Multi Unit Charger DMR for PD7, PD6, PD5 Series & PT580H		Programming Cable PD7 Series (USB)	
POA38 		POA47 		POA68  Image Coming Soon...		PS7002 	
USA-Canada Dealer MSRP	\$15.60 \$26.00	USA-Canada Dealer MSRP	\$81.90 \$136.50	USA-Canada Dealer MSRP	\$50.70 \$84.50	USA-Canada Dealer MSRP	\$104.14 \$173.57
BATTERY ADAPTER		Bluetooth PTT for X1 Series		RF adapter which automatically switch to mobile antenna to enlarge coverage CK KITS		SIX UNIT SWITCHING POWER SUPPLY 100-240VAC 12VDC 7A (ROHS)	
RO04 		SM09S1  Image Coming Soon...		SM18N2 		SM26N3 	
USA-Canada Dealer MSRP	\$3.52 \$5.87	USA-Canada Dealer MSRP	\$93.60 \$156.00	USA-Canada Dealer MSRP	\$54.60 \$91.00	USA-Canada Dealer MSRP	\$60.84 \$101.40
Leather Hand Strap		External speaker for CK03		Remote Speaker Microphone IP67 Earpiece jack 3.5mm, Emergency button PD7 PD7UL913		Remote Speaker Microphone with emergency button (IP67) (RoHS) PD7 PT580H	
SPM-2255 		SW00017-DMRA AES256 		SW00017-HYTERA ENCR 			
USA-Canada Dealer MSRP	\$40.00 \$48.00	USA-Canada Dealer MSRP	\$170.00 \$200.00	USA-Canada Dealer MSRP	\$170.00 \$200.00		
Remote Speaker Microphone (IP56) MILSTD810		Advanced digital encryption license for subscriber. DMRA AES 256 BIT		Advanced digital encryption license for subscriber. HYTERA PROPRIETARY 256 BIT			







PD782 | UL913



Code	Item	USA-Canada Dealer	MSRP
PD782G-U1 UL913	DMR PORTABLE UL913 GPS MAN DOWN UHF 400-470 MHz 1024CH 4W DISPLAY	\$579.00	\$1,283.00
PD782G-U5 UL913	DMR PORTABLE UL913 TRUNKING GPS MAN DOWN 806-870 1-3W 896-941 MHz 1-2.5w 1024CH DISP 2400mAh Li-Ion	\$628.00	\$1,391.00
PD782G-V1 UL913	DMR PORTABLE UL913 GPS MAN DOWN VHF 136-174 MHz 1024CH 5W DISPLAY STD ANTENNA 147-160MHZ	\$579.00	\$1,283.00

ACN-01		ADN-01		AN0141H03		AN0155H02	
USA-Canada Dealer	\$15.60	USA-Canada Dealer	\$86.58	USA-Canada Dealer	\$12.00	USA-Canada Dealer	\$18.00
MSRP	\$26.00	MSRP	\$144.30	MSRP	\$20.00	MSRP	\$30.00
PTT&MIC cable(for use with Receive-Only Earpiece)		Wireless adapter (part of ESW01-N1) PD70X PD78X		ANTENNA VHF SMA 136-147MHz/1575MHz (RoHS) 17cm 6.7Inches		VHF ANTENNA SMA CONNECTOR 136-174MHZ/1575MHZ PD70X PD78X 8IN LENGTH	
AN0167H03		AN0350H01		AN0375H02		AN0435H02	

			
USA-Canada Dealer \$12.00 MSRP \$20.00	USA-Canada Dealer \$12.00 MSRP \$20.00	USA-Canada Dealer \$12.00 MSRP \$20.00	USA-Canada Dealer \$12.00 MSRP \$20.00

Antenna VHF SMA 160-174MHz/1575MHz AN0167H03 (RoHS)

ANTENNA UHF SMA 330-370MHz/1575MHz AN0350H01 (RoHS)

ANTENNA UHF SMA 350-400MHz/1575MHz AN0375H01 (RoHS)

UHF Stubby antenna 400-470MHz/1575MHz SMA connector PD78X PD70X PT580H GPS





AN0485H01 	AN0873H02 	BL2411-EX 	CP14 
USA-Canada Dealer \$10.00 MSRP \$16.67	USA-Canada Dealer \$14.04 MSRP \$23.40	USA-Canada Dealer \$117.00 MSRP \$195.39	USA-Canada Dealer \$19.50 MSRP \$20.00

UHF STUBBY ANTENNA 450-520MHZSMA CONNECTOR 9CM/3.5 INCHES

Antenna UHF SMA 806-941MHZ/1575MHZ Hytera Logo (RoHS)

BATTERY 2400mAh Li-ION UL913 IS

Cloning cable (RoHS) PD7 series- Both radios must be on same FW and model





DMR-EW 	EAN18 	EAN23 	ECN18 
USA-Canada Dealer \$45.00 MSRP \$70.00	USA-Canada Dealer \$35.20 MSRP \$58.67	USA-Canada Dealer \$31.98 MSRP \$53.30	USA-Canada Dealer \$281.58 MSRP \$469.31

Extended 2 Year Warranty-Mobiles & Portables Only- Total of 5 yrs- Standard Warranty Policies

Surveillance Earpiece 3-Wire with Transparent Acoustic Tube (Black)

Earpiece, w/ On-Mic PTT, DMR

Noise cancellation headset(RoHS) Heavy Duty

EH01 	EH02 	EHN16 	EHN17 
USA-Canada Dealer \$8.58 MSRP \$14.30	USA-Canada Dealer \$9.36 MSRP \$15.60	USA-Canada Dealer \$23.40 MSRP \$39.00	USA-Canada Dealer \$24.96 MSRP \$41.60

Earloop C-Style Recieve Only PD7 Series & PT5 Series

EARHOOK ADJUSTABLE W SWIVEL SPEAKER RECEIVE ONLY (FOR USE WITH PTT & MIC CABLE)

C-EARSET

Earpiece Swivel

ES01	ES-02	ESN12	ESW01-N1
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USA-Canada Dealer \$5.86
MSRP \$9.77



USA-Canada Dealer \$16.38
MSRP \$27.30



USA-Canada Dealer \$21.06
MSRP \$35.10



USA-Canada Dealer \$173.16
MSRP \$288.61

Earbud Recieve Only PD7 Series
PT580H PD79XEX

Receive only earpiece with
transparent tube

EARBUD

Wireless Earpiece Kit PD7and PT5
Series

LCYY02



USA-Canada Dealer \$6.68
MSRP \$11.13

MCA05



USA-Canada Dealer \$1,060.80
MSRP \$1,768.04

PC38



USA-Canada Dealer \$24.96
MSRP \$40.56

R004



USA-Canada Dealer \$3.52
MSRP \$5.87

Waterproof Bag

Battery Optimizing System for PD5,
PD6, PD7 PD4 and PT5 Series

Programming Cable PD7 Series
(USB)

Leather Hand Strap

SM18N2



USA-Canada Dealer \$54.60
MSRP \$91.00

Remote Speaker Microphone IP67
Earpiece jack 3.5mm, Emergency
button PD7 PD7UL913



PD792 Ex



Code	Item	USA-Canada Dealer	MSRP
PD792ex-V	DMR PORTABLE GPS UHF 136-174 MHz 1024CH 1W DISPLAY FM/ATEX APPROVED 1800mAh LI-ION BATTERY, MD	\$859.00	\$1,580.00

Code	Item	USA-Canada Dealer	MSRP
AN0141H03		USA-Canada Dealer \$12.00 MSRP \$20.00	
BC19		USA-Canada Dealer \$3.52 MSRP \$5.87	
BL1807-Ex		USA-Canada Dealer \$152.12 MSRP \$254.04	
CH10A05-PS2002		USA-Canada Dealer \$45.64 MSRP \$76.07	

















ANTENNA VHF SMA 136-147MHz/1575MHz (RoHS) 17cm 6.7inches





Spring Belt Clip DMR Portable-Screws (HYT-7103006004000) sold seperately

Intrinsically safe Li-ion battery (1800mAh) Hytera LOGO (RoHS) PD79Xex

CHARGER MCU DUALSLOTS PD78X/PD70X/PT580H/PD79XEX

Code	Item	USA-Canada Dealer	MSRP
CH10A07-PS1014		USA-Canada Dealer \$29.26	
CHV09		USA-Canada Dealer \$38.22	
DMR-EW		USA-Canada Dealer \$45.00	
EBN04-EX		USA-Canada Dealer \$858.52	

MSRP	\$48.77	MSRP	\$63.70	MSRP	\$70.00	MSRP	\$1,430.90
Rapid-Rate Charger (Li-ion / Ni-MH) with PS1014 transformer		Vehicle Charger Adapter 11-25V DC 12V/1A DC		Extended 2 Year Warranty-Mobiles & Portables Only- Total of 5 yrs- Standard Warranty Policies		BONE CONDUCTION HEADSET (RoHS) I.S.	
ECN20-EX		EH01		EH02		EHN16	
							
USA-Canada Dealer	\$1,077.96	USA-Canada Dealer	\$8.58	USA-Canada Dealer	\$9.36	USA-Canada Dealer	\$23.40
MSRP	\$1,796.64	MSRP	\$14.30	MSRP	\$15.60	MSRP	\$39.00
Heavy Duty Headset with PTT ATEX		Earloop C-Style Recieve Only PD7 Series & PT5 Series		EARHOOK ADJUSTABLE W SWIVEL SPEAKER RECEIVE ONLY (FOR USE WITH PTT & MIC CABLE)		C-EARSET	
EHN17		ELN05-EX		ES01		ESN12	
							
USA-Canada Dealer	\$24.96	USA-Canada Dealer	\$858.52	USA-Canada Dealer	\$5.86	USA-Canada Dealer	\$21.06
MSRP	\$41.60	MSRP	\$1,430.90	MSRP	\$9.77	MSRP	\$35.10
Earpiece Swivel		THROAT VIBRATING EARPIECE (RoHS) I.S.		Earbud Recieve Only PD7 Series PT580H PD79XEX		EARBUD	
LCBN13		LCY005		LCYY02		MCA05	
							
USA-Canada Dealer	\$26.14	USA-Canada Dealer	\$37.44	USA-Canada Dealer	\$6.68	USA-Canada Dealer	\$1,060.80
MSRP	\$43.57	MSRP	\$62.40	MSRP	\$11.13	MSRP	\$1,768.04
Universal Nylon Chest Pack for Portable- Black (ROHS)		Leather Carring Case (Swivel) Soft Leather PD79Xex		Waterproof Bag		Battery Optimizing System for PD5, PD6, PD7 PD4 and PT5 Series	
MCA08		PC38		POA38		PS7002	
							
USA-Canada Dealer	\$234.00	USA-Canada Dealer	\$24.96	USA-Canada Dealer	\$15.60	USA-Canada Dealer	\$104.14
MSRP	\$390.01	MSRP	\$40.56	MSRP	\$26.00	MSRP	\$173.57





Rapid-Rate Multi Unit Charger DMR for PD7, PD6, PD5 Series & PT580H	Programming Cable PD7 Series (USB)	BATTERY ADAPTER	SIX UNIT SWITCHING POWER SUPPLY 100-240VAC 12VDC 7A (ROHS)
<p align="center">SM18N4-EX</p> 	<p align="center">SM24N1-Ex</p> 	<p align="center">SW00017-DMRA AES256</p> 	<p align="center">SW00017-HYTERA ENCR</p> 
<p>USA-Canada Dealer \$98.20</p> <p>MSRP \$163.67</p>	<p>USA-Canada Dealer \$425.88</p> <p>MSRP \$709.81</p>	<p>USA-Canada Dealer \$170.00</p> <p>MSRP \$200.00</p>	<p>USA-Canada Dealer \$170.00</p> <p>MSRP \$200.00</p>
Remote Speaker Microphone IP67 I.S. PD79Xex	ATEX Remote Speaker and N1 COM-Unit PTT part (ATEX)	Advanced digital encryption license for subscriber. DMRA AES 256 BIT	Advanced digital encryption license for subscriber. HYTERA PROPRIETARY 256 BIT



X1e



Code	Item	USA-Canada Dealer	MSRP
X1e-U1	COVERT 400-470MHZ 4W,GPS,man down, ,IP67,1800mah li-ion battery,dual charger,antenna-SPECIAL ORDER	\$449.00	\$1,100.00
X1e-V	COVERT 136-174MHZ 5W,GPS,man down, IP67,1800mah li-ion,dual charger,antenna153-164mhz	\$449.00	\$1,100.00

ADN-02	AN0140H01	AN0148H03	AN0156H01
			
USA-Canada Dealer \$86.58 MSRP \$144.30	USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$24.96 MSRP \$41.60

Wireless adapter (Part of ESW01-N2) PD6XX, X1	ANTENNA VHF STUBBY 136-145MHZ/1575MHZ SMA MALE 9CM (ROHS)	ANTENNA VHF STUBBY 144-154MHZ/1575MHZ SMA MALE 9CM (ROHS)	VHF stubby Antenna for Covert radio, SMA-male 17cm 147-165MHz/1575MHz(RoHS)
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AN0158H02	AN0168H01	AN0435H17	AN0435W11
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USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$29.64 MSRP \$49.40

ANTENNA VHF STUBBY 153-164MHZ/1575MHZ SMA MALE 9CM (ROHS)

ANTENNA VHF STUBBY 163-174MHZ/1575MHZ SMA MALE 9CM (ROHS)

UHF stubby Antenna for covert radio, SMA-male 9cm 400-470MHz/1575MHz (RoHS)

Antenna 400-470/1575MHz (U1) SMA-male connector 15cm

			
USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$67.08 MSRP \$112.02	USA-Canada Dealer \$78.00 MSRP \$130.26	USA-Canada Dealer \$93.60 MSRP \$156.31

Covert UHF stubby antenna SMA-male connector 9cm 450-520/1575MHz UHF Logo (RoHS)

Battery Li-ion 1100 mAh (ROHS) X1e/X1p

Battery Li-ion 1400 mAh (ROHS) X1 Z1 Series Std Battery

Battery Li-ion 1800 mAh (ROHS) X1 Z1 Series Std Battery





			
USA-Canada Dealer \$70.22 MSRP \$117.04	USA-Canada Dealer \$58.08 MSRP \$96.80	USA-Canada Dealer \$38.22 MSRP \$63.70	USA-Canada Dealer \$17.55 MSRP \$18.00

PORTABLE CHARGER FOR THE X1 SERIES

Charger Dual Pocket with PS1014 Power Supply for the X1 Series

Vehicle Charger Adapter 11-25V DC 12V/1A DC

Cloning Cable (RoHS) PD6 X1 series Both radios must be in same FW and model

			
USA-Canada Dealer \$45.00 MSRP \$70.00	USA-Canada Dealer \$46.80 MSRP \$78.00	USA-Canada Dealer \$42.12 MSRP \$70.20	USA-Canada Dealer \$60.06 MSRP \$100.10

Extended 2 Year Warranty-Mobiles & Portables Only- Total of 5 yrs- Standard Warranty Policies

Surveillance Earpiece 3 wire with Transparent Acoustic Tube-BEIGE

Surveillance Earpiece with Transparent Acoustic Tube, Single wire Black

Surveillance Earpiece with Transparent Acoustic Tube, 2-wire Black

ECN21	EHN20	EHN21	EHW02
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USA-Canada Dealer \$291.72
MSRP \$486.21



USA-Canada Dealer \$35.10
MSRP \$58.50



USA-Canada Dealer \$34.32
MSRP \$57.20



USA-Canada Dealer \$155.22
MSRP \$258.71

Head Set dual muff with boom mic, noise cancelling, Heavy duty (RoHS)

Remote Swivel Earset for X1 & PD6 Series

Remote C-Earset X1 & PD6 Series

BLUETOOTH EARPIECE DOUBLE BUTTON X1e X1p

ESN14



USA-Canada Dealer \$31.98
MSRP \$53.30

ESW01



USA-Canada Dealer \$86.58
MSRP \$144.30

ESW01-N2



USA-Canada Dealer \$173.16
MSRP \$288.61

EWN07



USA-Canada Dealer \$1,108.80
MSRP \$1,848.04

Remote Earbud X1 & PD6 Series

Wireless Earpiece (Part of ESW01-N1 and N2)

Wireless Earpiece Kit PD6XX, X1

Digital Wireless Covert Earpiece with In-Line controller (Neckloop Sensor) RoHS- SPECIAL ORDER

EWN08



USA-Canada Dealer \$1,108.80
MSRP \$1,848.04

HY2020-CBP



USA-Canada Dealer \$17.70
MSRP \$29.50

HY2020-SBP



USA-Canada Dealer \$17.54
MSRP \$29.23

LCBN13



USA-Canada Dealer \$26.14
MSRP \$43.57

Digital Wireless Covert Earpiece (Flatpack Sensor)(RoHS)-SPECIAL ORDER ITEM

CARRYING CASE NYLON SWIVEL CLIP BLACK X1

SOFT LEATHER CARRYING CASE SWIVEL CLIP BLACK X1

Universal Nylon Chest Pack for Portable- Black (ROHS)

MCA10



USA-Canada Dealer \$257.40
MSRP \$429.00

NCN009



USA-Canada Dealer \$93.62
MSRP \$156.04

PC45



USA-Canada Dealer \$25.34
MSRP \$41.18

PCN005



USA-Canada Dealer \$11.70
MSRP \$19.50

MULTI UNIT CHARGER FOR X1 SERIES

VEST FOR COVERT RADIO X1e

Programming Cable USB X1 & PD6 Series (ROHS)



BELT CARRY CASE FOR X1 SERIES

POA47

PS7002

SM26N1

SM26N2

			
USA-Canada Dealer \$81.90	USA-Canada Dealer \$104.14	USA-Canada Dealer \$60.84	USA-Canada Dealer \$60.84
MSRP \$136.50	MSRP \$173.57	MSRP \$101.40	MSRP \$101.40

Bluetooth PTT for X1 Series

SIX UNIT SWITCHING POWER SUPPLY 100-240VAC 12VDC 7A (ROHS)

Remote Speaker Microphone with emergency button (IP67) (RoHS)

Remote Speaker Microphone with emergency button and 3.5mm audio jack(IP54) (RoHS)

SPM-2100-H8 	SW00017-DMRA AES256 	SW00017-HYTERA ENCR 
USA-Canada Dealer \$64.00	USA-Canada Dealer \$170.00	USA-Canada Dealer \$170.00
MSRP \$70.00	MSRP \$200.00	MSRP \$200.00

Remote Speaker Microphone (IP56) MILSTD810

Advanced digital encryption license for subscriber. DMRA AES 256 BIT

Advanced digital encryption license for subscriber. HYTERA PROPRIETARY 256 BIT



X1p



Code	Item	USA-Canada Dealer	MSRP
X1p-U1 (02)	COVERT PLUS Display 400-470MHZ NA 4W/1W 1024CH 25K/20K/12.5K GPS MD BT IP67 1800mah LI batt charger	\$569.00	\$1,237.00
X1p-U2 (02)	COVERT PLUS Display 450-520MHZ NA 4W/1W 1024CH 25K/20K/12.5K GPS MD BT IP67 1800mah LI batt charger	\$569.00	\$1,237.00
X1p-U5 (02)	COVERT PLUS Display radio 1- 3W 806-870MHz, 1 - 2.5 watts 896-941MHz, 1800 mAh GPS MD TIER II, Analog	\$569.00	\$1,199.00
X1p-V1 (02)	COVERT PLUS Display 136-174MHZ NA 5W/1W 1024CH 25K 20K 12.5K GPS MD BT IP67 1800mah LI Batt Charger	\$569.00	\$1,237.00

















ADN-02		AN0140H01		AN0148H03		AN0156H01	
USA-Canada Dealer	\$86.58	USA-Canada Dealer	\$24.96	USA-Canada Dealer	\$24.96	USA-Canada Dealer	\$24.96
MSRP	\$144.30	MSRP	\$41.60	MSRP	\$41.60	MSRP	\$41.60




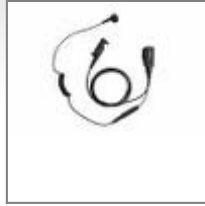
Wireless adapter (Part of ESW01-N2) PD6XX, X1

ANTENNA VHF STUBBY 136-145MHZ/1575MHZ SMA MALE 9CM

ANTENNA VHF STUBBY 144-154MHZ/1575MHZ SMA MALE 9CM

VHF stubby Antenna for Covert radio, SMA-male 17cm 147-

	(ROHS)	(ROHS)	165MHz/1575MHz(RoHS)
AN0158H02 	AN0435H17 	AN0435W11 	AN0485H12 
USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$24.96 MSRP \$41.60	USA-Canada Dealer \$29.64 MSRP \$49.40	USA-Canada Dealer \$24.96 MSRP \$41.60
ANTENNA VHF STUBBY 153-164MHZ/1575MHZ SMA MALE 9CM (ROHS)	UHF stubby Antenna for covert radio, SMA-male 9cm 400-470MHz/1575MHz (RoHS)	Antenna 400-470/1575MHz (U1) SMA-male connector 15cm	Covert UHF stubby antenna SMA-male connector 9cm 450-520/1575MHz UHF Logo (RoHS)
BL1103 	BL1401 	BL1809 	CH04L01 
USA-Canada Dealer \$67.08 MSRP \$112.02	USA-Canada Dealer \$78.00 MSRP \$130.26	USA-Canada Dealer \$93.60 MSRP \$156.31	USA-Canada Dealer \$70.22 MSRP \$117.04
Battery Li-ion 1100 mAh (ROHS) X1e/X1p	Battery Li-ion 1400 mAh (ROHS) X1 Z1 Series Std Battery	Battery Li-ion 1800 mAh (ROHS) X1 Z1 Series Std Battery	PORTABLE CHARGER FOR THE X1 SERIES
CH10L15-PS1014 	CHV09 	CP15 	DMR-EW 
USA-Canada Dealer \$58.08 MSRP \$96.80	USA-Canada Dealer \$38.22 MSRP \$63.70	USA-Canada Dealer \$17.55 MSRP \$18.00	USA-Canada Dealer \$45.00 MSRP \$70.00
Charger Dual Pocket with PS1014 Power Supply for the X1 Series	Vehicle Charger Adapter 11-25V DC 12V/1A DC	Cloning Cable (RoHS) PD6 X1 series Both radios must be in same FW and model	Extended 2 Year Warranty-Mobiles & Portables Only- Total of 5 yrs- Standard Warranty Policies
EAN21 	EAN22 	EAN24 	ECN21 
USA-Canada Dealer \$46.80 MSRP \$78.00	USA-Canada Dealer \$42.12 MSRP \$70.20	USA-Canada Dealer \$60.06 MSRP \$100.10	USA-Canada Dealer \$291.72 MSRP \$486.21
Surveillance Earpiece 3 wire with Transparent Acoustic Tube-BEIGE	Surveillance Earpiece with Transparent Acoustic Tube, Single wire Black	Surveillance Earpiece with Transparent Acoustic Tube, 2-wire Black	Head Set dual muff with boom mic, noise cancelling, Heavy duty (RoHS)





EHN20 	EHN21 	EHW02 	ESN14 
USA-Canada Dealer \$35.10 MSRP \$58.50	USA-Canada Dealer \$34.32 MSRP \$57.20	USA-Canada Dealer \$155.22 MSRP \$258.71	USA-Canada Dealer \$31.98 MSRP \$53.30

Remote Swivel Earset for X1 & PD6 Series

Remote C-Earset X1 & PD6 Series

BLUETOOTH EARPIECE DOUBLE BUTTON X1e X1p

Remote Earbud X1 & PD6 Series

ESW01 	ESW01-N2 	EWN07 	EWN08 
USA-Canada Dealer \$86.58 MSRP \$144.30	USA-Canada Dealer \$173.16 MSRP \$288.61	USA-Canada Dealer \$1,108.80 MSRP \$1,848.04	USA-Canada Dealer \$1,108.80 MSRP \$1,848.04

Wireless Earpiece (Part of ESW01-N1 and N2)

Wireless Earpiece Kit PD6XX, X1

Digital Wireless Covert Earpiece with In-Line controller (Neckloop Sensor) RoHS- SPECIAL ORDER

Digital Wireless Covert Earpiece (Flatpack Sensor)(RoHS)-SPECIAL ORDER ITEM

MCA10 	PC45 	PCN005 	POA47 
USA-Canada Dealer \$257.40 MSRP \$429.00	USA-Canada Dealer \$25.34 MSRP \$41.18	USA-Canada Dealer \$11.70 MSRP \$19.50	USA-Canada Dealer \$81.90 MSRP \$136.50

MULTI UNIT CHARGER FOR X1 SERIES

Programming Cable USB X1 & PD6 Series (ROHS)

BELT CARRY CASE FOR X1 SERIES

Bluetooth PTT for X1 Series

SM26N1 	SM26N2 	SPM-2100-H8 	SW00017-DMRA AES256 
USA-Canada Dealer \$60.84 MSRP \$101.40	USA-Canada Dealer \$60.84 MSRP \$101.40	USA-Canada Dealer \$64.00 MSRP \$70.00	USA-Canada Dealer \$170.00 MSRP \$200.00

Remote Speaker Microphone with emergency button (IP67) (RoHS)

Remote Speaker Microphone with emergency button and 3.5mm audio jack(IP54) (RoHS)

Remote Speaker Microphone (IP56) MILSTD810

Advanced digital encryption license for subscriber. DMRA AES 256 BIT

SW00017-HYTERA ENCR



USA-Canada Dealer \$170.00

MSRP \$200.00

Advanced digital encryption license

for subscriber. HYTERA

PROPRIETARY 256 BIT



DMR Mobiles



MD652 | MD652G
Digital Mobile Radio



MD782 | MD782G
Easy to use digital mobile
radio with ergonomic design.



MD652 | MD652G



Code	Item	USA-Canada Dealer	MSRP
MD652G-U1	DMR MOBILE GPS UHF 400-470 MHz 1024CH 25W	\$333.00	\$656.00
MD652G-U2	DMR MOBILE GPS UHF 450-527 MHz 1024CH 25W	\$333.00	\$656.00
MD652G-V1	DMR MOBILE GPS VHF 136-174 MHz 1024CH 25W	\$333.00	\$656.00

ADA-01	DMR-EW	GPS04	PC37
USA-Canada Dealer \$72.54 MSRP \$120.90	USA-Canada Dealer \$45.00 MSRP \$70.00	USA-Canada Dealer \$10.00 MSRP \$16.67	USA-Canada Dealer \$24.96 MSRP \$40.56

BLUETOOTH ADAPTER FOR MD78X MD65X

Extended 2 Year Warranty-Mobiles & Portables Only- Total of 5 yrs- Standard Warranty Policies

GPS Antenna SMA connector, 1575MHz , 3 meters cable (DAM1575)

Programming Cable for the MD6, MD7 Series, & RD98x (USB)

PC47	PC70	PC79	POA44



USA-Canada Dealer \$29.64
MSRP \$48.17

Programming Cable CPS
programming and firmware
upgrading



USA-Canada Dealer \$30.42
MSRP \$50.70

Mobile DB26 to DB9 cable(data
transmit cable) MD65X



USA-Canada Dealer \$38.22
MSRP \$62.11

Microphone Programming cable
MD65X



USA-Canada Dealer \$38.22
MSRP \$63.70

FOOT SWITCH (EXTERNAL PTT)
(RoHS)

POA47



USA-Canada Dealer \$81.90
MSRP \$136.50

Bluetooth PTT for X1 Series

PWC10



USA-Canada Dealer \$21.12
MSRP \$35.20

Vehicle Power Cord 3m 15A (DMR)

SM09D1



USA-Canada Dealer \$42.12
MSRP \$70.20

External Speaker (DB26 Contact
Pin)

SM25A1



USA-Canada Dealer \$86.58
MSRP \$144.30

Remote Speaker Microphone with
LCD IP54 3m cord

SM25A2



USA-Canada Dealer \$167.70
MSRP \$279.51

Remote Speaker Microphone with
LCD IP54 6m cord

SM27W1



USA-Canada Dealer \$225.42
MSRP \$375.71

BLUETOOTH MICROPHONE AND
SPEAKER FOR MD78X MD65X NEED
TO ORDER ADAPTER SEPERATELY
ADA-01

SW00017-DMRA AES256



USA-Canada Dealer \$170.00
MSRP \$200.00

Advanced digital encryption license
for subscriber. DMRA AES 256 BIT

SW00017-HYTERA ENCR



USA-Canada Dealer \$170.00
MSRP \$200.00

Advanced digital encryption license
for subscriber. HYTERA
PROPRIETARY 256 BIT

SW00052



USA-Canada Dealer \$20.00
MSRP \$50.00


Priority Interrupt PD6 Series &
MD65X



MD782 | MD782G



Code	Item	USA-Canada Dealer	MSRP
MD782G-U1	DMR MOBILE GPS UHF 400-470 MHz 1024CH 45W	\$409.00	\$799.00
MD782G-U2	DMR MOBILE GPS UHF 450-520 MHz 1024CH 45W	\$409.00	\$799.00
MD782G-U2-LP	DMR MOBILE GPS UHF 450-520 MHz 1024CH 25W LOW POWER	\$390.00	\$761.00
MD782G-V1	DMR MOBILE GPS VHF 136-174 MHz 1024CH 50W	\$409.00	\$799.00
MD782U-1	DMR MOBILE UHF 400-470 MHz 1024CH 45W	\$379.00	\$742.00
MD782U-2	DMR MOBILE UHF 450-520 MHz 1024CH 45W	\$379.00	\$742.00
MD782U-2-LP	DMR MOBILE UHF 450-520 MHz 1024CH 25W LOW POWER	\$358.00	\$742.00
MD782U-2-RFB	DMR MOBILE UHF 450-520 MHz 1024CH 45W REFURBISHED 18 MONTHS WARRANTY	\$379.00	\$742.00
MD782V-1	DMR MOBILE VHF 136-174 MHz 1024CH 45W	\$379.00	\$742.00
ADA-01	BRK08	BRK15	DC-MD78X

			
USA-Canada Dealer \$72.54 MSRP \$120.90	USA-Canada Dealer \$10.92 MSRP \$18.20	USA-Canada Dealer \$30.00 MSRP \$50.00	USA-Canada Dealer \$129.13 MSRP \$154.95

BLUETOOTH ADAPTER FOR MD78X MD65X

INSTALLTATION BRACKET MD78x MD65X

IN-DASH MOUNTING KIT (DIN)

DESKTOP CABINET FOR MD78X WITH SEC1223 POWER SUPPLY 120VAC, Output 13.8VDC, 23 Amps

DMR-EW 	ECA01 	GPS04 	PC37 
USA-Canada Dealer \$45.00 MSRP \$70.00	USA-Canada Dealer \$359.58 MSRP \$599.31	USA-Canada Dealer \$10.00 MSRP \$16.67	USA-Canada Dealer \$24.96 MSRP \$40.56

Extended 2 Year Warranty-Mobiles & Portables Only- Total of 5 yrs- Standard Warranty Policies

Heavy duty, Noise-cancelling Headset dual muf, boom mic, MD78X

GPS Antenna SMA connector, 1575MHz , 3 meters cable (DAM1575)

Programming Cable for the MD6, MD7 Series, & RD98x (USB)

PC40 	PC47 	PC49 	POA44 
USA-Canada Dealer \$28.16 MSRP \$45.76	USA-Canada Dealer \$29.64 MSRP \$48.17	USA-Canada Dealer \$24.96 MSRP \$40.56	USA-Canada Dealer \$38.22 MSRP \$63.70

Data Cable MD78X RD98X RD98XS & RD62X

Programming Cable CPS programming and firmware upgrading

BACK TO BACK DATA CABLE MD78X/RD98X/RD62X/RD96X

FOOT SWITCH (EXTERNAL PTT) (RoHS)

POA47 	PWC10 	RCC04 	RCC05 
USA-Canada Dealer \$81.90 MSRP \$136.50	USA-Canada Dealer \$21.12 MSRP \$35.20	USA-Canada Dealer \$177.84 MSRP \$296.41	USA-Canada Dealer \$242.58 MSRP \$404.31

Bluetooth PTT for X1 Series

Vehicle Power Cord 3m 15A (DMR)

Remote Mount kit for DMR Mobile (Including Control head) 3M

Remote Mount kit for DMR Mobile (Including Control head) 6M

RCC07	SEC1223	SM09D1	SM10A1
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USA-Canada Dealer \$193.44
MSRP \$322.41

Remote Mount kit DMR No control head 6M cable *ONLY WORKS with 2012 series and newer



USA-Canada Dealer \$97.50
MSRP \$117.00

POWER SUPPLY Input 120VAC, Output 13.8VDC, 23 Amps



USA-Canada Dealer \$42.12
MSRP \$70.20

External Speaker (DB26 Contact Pin)



USA-Canada Dealer \$61.60
MSRP \$102.67

Desktop Microphone (10-pin Aviation Connector)

SM16A1



USA-Canada Dealer \$35.88
MSRP \$59.80

Palm Microphone IP54

SM16A2



USA-Canada Dealer \$35.10
MSRP \$58.50

Palm Microphone IP67

SM19A1



USA-Canada Dealer \$72.00
MSRP \$120.00

Palm Microphone with Keypad

SM20A1



USA-Canada Dealer \$127.92
MSRP \$213.20

HANDSET FOR MD78X Tier II only

SM20A2



USA-Canada Dealer \$171.60
MSRP \$286.01

Telephone Style Handset with Keypad DMR Tier II and III

SM27W1



USA-Canada Dealer \$225.42
MSRP \$375.71

BLUETOOTH MICROPHONE AND SPEAKER FOR MD78X MD65X NEED TO ORDER ADAPTER SEPERATELY ADA-01

SW00017-DMRA AES256



USA-Canada Dealer \$170.00
MSRP \$200.00

Advanced digital encryption license for subscriber. DMRA AES 256 BIT

SW00017-HYTERA ENCR



USA-Canada Dealer \$170.00
MSRP \$200.00

Advanced digital encryption license for subscriber. HYTERA PROPRIETARY 256 BIT



DMR Repeaters



RD622
Indoor Wall Mountable
Repeater



RD962
Outdoor DMR repeater.



RD982
Powerful Digital Repeater



RD982S
Powerful Digital Repeater



RD622



Code	Item	USA-Canada Dealer	MSRP
RD622U-1	DMR REPEATER UHF 400-470 MHz 1W to 25W 100% continuous duty cycle	\$1,099.00	\$1,999.00
RD622U-2	DMR REPEATER UHF 450-520 MHz 1W to 25W 100% continuous duty cycle	\$1,099.00	\$1,999.00
RD622V-1	DMR REPEATER VHF136-174 MHz 1W to 25W 100% continuous duty cycle	\$1,099.00	\$1,999.00

AN0148H03		BRK21		BRK23		DCL4533-1-N	
							
USA-Canada Dealer	\$24.96	USA-Canada Dealer	\$25.74	USA-Canada Dealer	\$60.06	USA-Canada Dealer	\$297.50
MSRP	\$41.60	MSRP	\$42.90	MSRP	\$100.10	MSRP	\$357.00












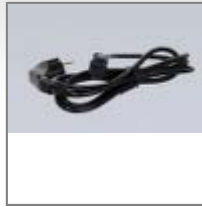


ANTENNA VHF STUBBY 144-154MHZ/1575MHZ SMA MALE 9CM (ROHS)

Wall Mounting Bracket RD62X

DUPLEXER MOUNTING KIT INCL BRACKET AND RF CABLE RD62X

400-440 UHF MOBILE DUPLEXER N-FEMALE CONNECTORS

DCL4533-2-N	DCL4533-3-N	DHL1533-1-N	DHL1533-2-N

			
USA-Canada Dealer \$297.50 MSRP \$357.00	USA-Canada Dealer \$297.50 MSRP \$357.00	USA-Canada Dealer \$297.50 MSRP \$357.00	USA-Canada Dealer \$297.50 MSRP \$357.00
440-470 UHF MOBILE DUPLEXER N-FEMALE CONNECTORS	470-490 UHF MOBILE DUPLEXER N-FEMALE CONNECTORS	136-148 VHF MOBILE DUPLEXER N TYPE	148-160 VHF MOBILE DUPLEXER N TYPE
DHL1533-3-N 	HYT-1501-C6-2 	HYT-4201-C6-3  Image Coming Soon...	IP CONNECT UPGRADE 
USA-Canada Dealer \$297.50 MSRP \$357.00	USA-Canada Dealer \$180.00 MSRP \$327.00	USA-Canada Dealer \$180.00 MSRP \$327.00	USA-Canada Dealer \$150.00 MSRP \$334.00
160-174 VHF MOBILE DUPLEXER N TYPE	DUPLEXER VHF 150-175MHz, 5MHz Split	DUPLEXER UHF 450-470MHz, 5MHz Split	IP CONNECTIVITY UPGRADE FOR DMR REPEATERS-MUST PROVIDE SERIAL, FIRMWARE, LONG MODEL NUMBER
PC40 	PC49 	PC75 	PWC03 
USA-Canada Dealer \$28.16 MSRP \$45.76	USA-Canada Dealer \$24.96 MSRP \$40.56	USA-Canada Dealer \$29.64 MSRP \$48.17	USA-Canada Dealer \$8.98 MSRP \$14.97
Data Cable MD78X RD98X RD98XS & RD62X	BACK TO BACK DATA CABLE MD78X/RD98X/RD62X/RD96X	Programming and upgrading cable USB DB26 RD62X	AC POWER CORD RD62X
PWC06 	SW00018 		
USA-Canada Dealer \$26.40 MSRP \$44.00	USA-Canada Dealer \$170.00 MSRP \$309.00		
Vehicle Power Cord 3m 10A 14#	Advanced digital encryption license for repeater RD98 RD96 Need to specify full Hytera or AES encryp		



RD962










Code	Item	USA-Canada Dealer	MSRP
RD962U-1	DMR REPEATER UHF 400-470MHZ 1-10 W BACKPACK SPECIAL ORDER	\$1,723.00	\$2,976.00
RD962V-1	DMR REPEATER VHF 136-174MHZ 1-10 W BACKPACK SPECIAL ORDER	\$1,723.00	\$2,976.00

AN0400M03		BRK17		DT18		DT20	
USA-Canada Dealer	\$35.10	USA-Canada Dealer	\$23.40	USA-Canada Dealer	\$446.94	USA-Canada Dealer	\$446.94
MSRP	\$58.50	MSRP	\$39.00	MSRP	\$744.91	MSRP	\$744.91

UHF antenna TQC-400FCS 3.5dBi 400MHz BNC-M connector (RoHS) (REACH)	Battery Installation Bracket(RoHS) RD96X	Built-in Mini Duplex(Frequency Range:136~174MHz) (Frequency Spacing:4.5~6MHz)(Non-RoHS compliant)	Built-in Mini Duplex Range:400~470MHz (Spacing:5.5~15MHz)(Non-RoHS compliant) RD96X
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DT21	DT22	IP CONNECT UPGRADE	NCN010

USA-Canada Dealer MSRP	\$874.38 \$1,457.33	USA-Canada Dealer MSRP	\$874.38 \$1,457.33	USA-Canada Dealer MSRP	\$150.00 \$334.00	USA-Canada Dealer MSRP	\$141.18 \$235.30
Built-in Mini Duplex(Frequency Range:136~174MHz) (Frequency Spacing:4.6~6MHz)(RoHS)		Built-in Mini Duplex (Frequency Range:350~470MHz) (Frequency Spacing:5.5~10MHz)(Non-RoHS compliant)		IP CONNECTIVITY UPGRADE FOR DMR REPEATERS-MUST PROVIDE SERIAL, FIRMWARE, LONG MODEL NUMBER		Nylon Backpack (RoHS) RD96X	
PC49 		POA45 		PS7502 		PV3001 	
USA-Canada Dealer MSRP	\$24.96 \$40.56	USA-Canada Dealer MSRP	\$51.48 \$85.80	USA-Canada Dealer MSRP	\$70.20 \$117.00	USA-Canada Dealer MSRP	\$822.90 \$1,374.24
BACK TO BACK DATA CABLE MD78X/RD98X/RD62X/RD96X		Surge Arrester for ethernet port (RoHS)		Power Adapter, including the power cable(RoHS) RD96X		Portable battery 10Ah, including the connecting cable(RoHS) LI-ION RD96X BL9901	
SM18A1 		SW00018 		TQC-150DII 			
USA-Canada Dealer MSRP	\$77.22 \$128.70	USA-Canada Dealer MSRP	\$170.00 \$309.00	USA-Canada Dealer MSRP	\$35.10 \$58.50		
PALM SPEAKER MICROPHONE IP67 RD96X		Advanced digital encryption license for repeater RD98 RD96 Need to specify full Hytera or AES encryp		Antenna VHF 136-174 FIELD TUNABLE 16010136M0030 TQC-150DII			



RD982



Code	Item	USA-Canada Dealer	MSRP
RD982U-1	DMR REPEATER UHF 400-470 MHz 50W	\$1,299.00	\$2,250.00
RD982U-1-RFB	DMR REPEATER UHF 400-470 MHz 50W-REFURBISHED- 18MONTHS WARRANTY	\$1,299.00	\$2,250.00
RD982U-2	DMR REPEATER UHF 450-520 MHz 50W	\$1,299.00	\$2,250.00
RD982V-1	DMR REPEATER VHF 136-174 MHz 50W	\$1,299.00	\$2,250.00

BRK09		BRK19		DCL4533-1-N		DCL4533-2-N	
USA-Canada Dealer	\$42.90	USA-Canada Dealer	\$46.80	USA-Canada Dealer	\$297.50	USA-Canada Dealer	\$297.50
MSRP	\$71.50	MSRP	\$78.00	MSRP	\$357.00	MSRP	\$357.00
DUPLEXER INSTALLATION KIT FOR DMR REPEATER		RD98X main unit wall mount installation bracket BRK19		400-440 UHF MOBILE DUPLEXER N-FEMALE CONNECTORS		440-470 UHF MOBILE DUPLEXER N-FEMALE CONNECTORS	

DCL4533-3-N	DHL1533-1-N	DHL1533-2-N	DHL1533-3-N

			
USA-Canada Dealer \$297.50 MSRP \$357.00	USA-Canada Dealer \$297.50 MSRP \$357.00	USA-Canada Dealer \$297.50 MSRP \$357.00	USA-Canada Dealer \$297.50 MSRP \$357.00

470-490 UHF MOBILE DUPLEXER N-FEMALE CONNECTORS

136-148 VHF MOBILE DUPLEXER N TYPE

148-160 VHF MOBILE DUPLEXER N TYPE

160-174 VHF MOBILE DUPLEXER N TYPE

DMR-SW-LICENSE-00006 	HYT-1501-C6-2 	HYT-4201-C6-3 	IP CONNECT UPGRADE 
USA-Canada Dealer \$468.00 MSRP \$810.00	USA-Canada Dealer \$180.00 MSRP \$327.00	USA-Canada Dealer \$180.00 MSRP \$327.00	USA-Canada Dealer \$150.00 MSRP \$334.00

DIGITAL UPGRADE LICENSES FOR RD98X ANALOG REPEATERS

DUPLEXER VHF 150-175MHz, 5MHz Split

DUPLEXER UHF 450-470MHz, 5MHz Split

IP CONNECTIVITY UPGRADE FOR DMR REPEATERS-MUST PROVIDE SERIAL, FIRMWARE, LONG MODEL NUMBER


PC37 	PC40 	PC47 	PC49 
USA-Canada Dealer \$24.96 MSRP \$40.56	USA-Canada Dealer \$28.16 MSRP \$45.76	USA-Canada Dealer \$29.64 MSRP \$48.17	USA-Canada Dealer \$24.96 MSRP \$40.56

Programming Cable for the MD6, MD7 Series, & RD98x (USB)

Data Cable MD78X RD98X RD98XS & RD62X

Programming Cable CPS programming and firmware upgrading

BACK TO BACK DATA CABLE MD78X/RD98X/RD62X/RD96X

POA45 	PWC11 	SEC-1223R1 	SEC-1223R2 
USA-Canada Dealer \$51.48 MSRP \$85.80	USA-Canada Dealer \$26.40 MSRP \$44.00	USA-Canada Dealer \$128.13 MSRP \$153.75	USA-Canada Dealer \$224.38 MSRP \$269.25

Surge Arrester for ethernet port (RoHS)

DC Power Cord 3m 10A (Repeater)

DC POWER SUPPLY 23 Amp 110V 19 Inches Rack c/w 1 x SEC-1223

DC POWER SUPPLY 2X 23AMPS 110V 19 Inches Rack c/w 2 x SEC-1223

SM10A1	SM16A1	SM16A2	SM20A1
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USA-Canada Dealer \$61.60
MSRP \$102.67

Desktop Microphone (10-pin Aviation Connector)



USA-Canada Dealer \$35.88
MSRP \$59.80

Palm Microphone IP54



USA-Canada Dealer \$35.10
MSRP \$58.50

Palm Microphone IP67



USA-Canada Dealer \$127.92
MSRP \$213.20

HANDSET FOR MD78X Tier II only

SM20A2



USA-Canada Dealer \$171.60
MSRP \$286.01

Telephone Style Handset with Keypad DMR Tier II and III

SW00018



USA-Canada Dealer \$170.00
MSRP \$309.00

Advanced digital encryption license for repeater RD98 RD96 Need to specify full Hytera or AES encryp

WMC



USA-Canada Dealer \$271.00
MSRP \$603.00

CABINET, WALL MOUNT BLACK, 9RMS 20.5" X 20" (9ru)



RD982S



Code	Item	USA-Canada Dealer	MSRP
RD982SU-1	DMR SUPER REPEATER UHF 400-470 MHz 50W ANALOG AND DMR CONVENTIONAL MODE ONLY	\$1,690.00	\$2,935.00
RD982SU-2	DMR SUPER REPEATER UHF 450-520 MHz 50W ANALOG AND DMR CONVENTIONAL MODE ONLY	\$1,690.00	\$2,935.00
RD982SV-1	DMR SUPER REPEATER UHF 136-174 MHz 50W ANALOG AND DMR CONVENTIONAL MODE ONLY	\$1,690.00	\$2,935.00

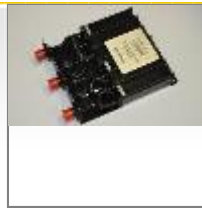
BRK09		BRK19		DCL4533-2-N		DT-985RD9800000	
USA-Canada Dealer	\$42.90	USA-Canada Dealer	\$46.80	USA-Canada Dealer	\$297.50	USA-Canada Dealer	\$1,000.00
MSRP	\$71.50	MSRP	\$78.00	MSRP	\$357.00	MSRP	\$1,819.00
DUPLEXER INSTALLATION KIT FOR DMR REPEATER		RD98X main unit wall mount installation bracket BRK19		440-470 UHF MOBILE DUPLEXER N-FEMALE CONNECTORS		Single-Site XPT License for RD98XS Repeater	
DT-985RD98000001		DT-985RD98000002		HYT-1501-C6-2		HYT-4201-C6-3	



USA-Canada Dealer \$250.00
MSRP \$2,275.00



USA-Canada Dealer \$1,250.00
MSRP \$2,275.00



USA-Canada Dealer \$180.00
MSRP \$327.00



USA-Canada Dealer \$180.00
MSRP \$327.00

Multi site XPT license(upgrade from single site) R7.6 or above

Multi-Site XPT License for RD98XS Repeater from conventional to XPT R7.6 or above

DUPLEXER VHF 150-175MHz, 5MHz Split

DUPLEXER UHF 450-470MHz, 5MHz Split

IP CONNECT UPGRADE



USA-Canada Dealer \$150.00
MSRP \$334.00

PC37



USA-Canada Dealer \$24.96
MSRP \$40.56

PC40



USA-Canada Dealer \$28.16
MSRP \$45.76

POA45



USA-Canada Dealer \$51.48
MSRP \$85.80

IP CONNECTIVITY UPGRADE FOR DMR REPEATERS-MUST PROVIDE SERIAL, FIRMWARE, LONG MODEL NUMBER

Programming Cable for the MD6, MD7 Series, & RD98x (USB)

Data Cable MD78X RD98X RD98XS & RD62X

Surge Arrester for ethernet port (RoHS)

PWC11



USA-Canada Dealer \$26.40
MSRP \$44.00

SEC-1223R1



USA-Canada Dealer \$128.13
MSRP \$153.75

SEC-1223R2



USA-Canada Dealer \$224.38
MSRP \$269.25

DC Power Cord 3m 10A (Repeater)

DC POWER SUPPLY 23 Amp 110V 19 Inches Rack c/w 1 x SEC-1223

DC POWER SUPPLY 2X 23AMPS 110V 19 Inches Rack c/w 2 x SEC-1223



Hytera Dispatch System



Code	Item	USA-Canada Dealer	MSRP
SD-1010065000030	MD780 Dispatch Terminal Frequency(UHF Specify frequency band) Single-mobil 25W AMBE++ EnglishVersion	\$4,500.00	\$7,500.00
SD-1100800001539	Dispatching server PC [Dell (TM) PowerEdge (TM) R210II 1U frame type server Xeon (R) E3-1220	\$3,104.00	\$5,644.00
SD-9830000000057	Dispatcher server software, license incl 1 clients,1server 1gateway,1 repeater or 2 dispatch sta	\$2,500.00	\$4,545.00
SD-9830000000080	Additional Dispatcher gateway software license(per gateway)	\$800.00	\$1,455.00
SD-9830000000081	Additional Dispatcher client software license(per client)	\$400.00	\$728.00
SD-9830000000084	Additional Terminal license of access to the dispatcher system(per terminal)	\$16.10	\$60.00
SD-9830000000132	Additional dispatch mobile station license (per dispatch station)	\$500.00	\$909.00
SD-9830000000134	Additional Software update over than version 3.X series (per system)	\$1,500.00	\$2,728.00
SD-9850000000018	Additional dispatch repeater station license (per repeater)	\$1,000.00	\$1,819.00

SD-9860000000050	MapX SDK (1)	\$3,611.00	\$7,407.00
SD-9860000000051	MapX Licenses (4)	\$1,052.00	\$7,407.00
SD-9860000000052	MapX Licenses (9)	\$754.00	\$7,407.00
SD-9860000000053	MapX Licenses (19)	\$539.00	\$7,407.00
SD-9860000000054	MapX Licenses (39)	\$414.00	\$7,407.00



Vertex Standard LMR Price Book: MSRP

Updated on 11/1/2016

Prices may be subject to change without notice

THESE PRICE PAGES DISPLAY MANUFACTURER'S SUGGESTED RETAIL PRICING (MSRP) ONLY. FOR ADDITIONAL PRICING INQUIRIES, CONTACT YOUR RESPECTIVE REGIONAL SALES MANAGER OR CUSTOMER SUPPORT.

Vertex Standard LMR Price Pages: MSRP Table of Contents 11/1/2016

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VX-264 Models	3-4	11/1/2016
EVX-261 Models	5-6	11/1/2016
EVX-S24 Models	7-8	11/1/2016
VX-350 Models	9-10	11/1/2016
VX-450 Models	11-12	11/1/2016
EVX-530 Models	13-14	11/1/2016
EVX-530 ENHD Models	15-16	11/1/2016
EVX-530 IS Models	17-18	11/1/2016
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VX-261 Series

Portable

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

VX-261 portable Standard Options:

FNB-V133LI -UNI 1380 mAh Li-Ion Battery

VAC-UNI Universal Rapid Charger (Components: CD-58 & PA-55)

Antenna Selection

Standard 3 Year Warranty



VX-261

Radio Features:

- 16 Channels
- 2 Programmable Buttons
- 700mW Internal Speaker
- MDC1200 ANI Encode
- Fleetsync® ANI Encode
- DTMF ANI Encode
- 2-Tone Encode and Decode
- 5-Tone Encode and Decode
- CTCSS/DCS Encode and Decode
- Emergency
- Lone Worker
- Multi-Mode Scanning
(Incl. Dual Watch, Priority, Follow-Me)
- ARTS TM (Auto-Range Transpond System)
- BCLO, BTLO and TOT Functions
- Radio to Radio Cloning
- 3 Year Warranty

Recommended Accessories:

Speaker Microphones

- MH-360S Compact Speaker Microphone
- MH-450S Standard Speaker Microphone
- MH-45B4B Heavy Duty Public Safety Speaker Mic

Headsets and Surveillance

- MH-37A4B-1 Earpiece Mic, Light Duty
- VH-150A IS VOX capable lightweight headset, BTH
- VH-150B IS VOX capable lightweight headset, OTH
- MH100 Rx only Earpiece, 3.5mm for use with MH-450S
- MH-101A4B Single Wire Surveillance Kit
- MH-102A4B Two-Wire Surveillance Kit

Multi-Unit Charger

- VAC-6058 MUC Charger

PRODUCT DETAILS	NEW MODEL	PREVIOUS MODEL	MSRP
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BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VX-261 Series Radio Models						
136-174 MHz	VHF	1-5W	16	AC128N001-VX	VX-261-D0-5	\$ 225.00
403-470 MHz	UHF	1-5W	16	AC128U002-VX	VX-261-G6-5	\$ 225.00
450-512 MHz	UHF	1-5W	16	AC128U001-VX	VX-261-G7-5	\$ 225.00

FCC INFORMATION: AXI11283020 (134-174 MHz) / AXI11284720 (450-512 MHz) / AXI11284620 (403-470MHz)

IC INFORMATION: 10239A-11283020 (134-174 MHz) / 10239A-11284620 (403-470 MHz) 10239A-11284720 (450-512 MHz)

VX-261 Series

Portable

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Battery Choices:

STDBAT0868AS	STANDARD BATTERY FNB-V133LI-UNI (Uses VAC-UNI charger)	\$ 0.00
QA05517AA	ADD: FNB-V134LI-UNI LI-ION BATTERY 2300MAH (Uses VAC-UNI charger)	\$ 20.00

Charger Choices:

STDCHG0868AA	ADD: VAC-UNI 120V STANDARD CHARGER (for use with FNB-V133LI-UNI& V134LI-UNI)	\$ 0.00
QA03678AA	ADD: VAC-UNI 240V EU CHARGER (for use with FNB-V133LI-UNI& V134LI-UNI)	\$ 0.00
QA03679AA	DELETE: Charger	\$ (36.00)

Antenna Choices:

QA02616AA	ADD: ATV-8A 134-150 MHz Antenna	\$ 0.00
QA02458AA	ADD: ATV-8B 150-162 MHz Antenna 6"	\$ 0.00
QA03017AA	ADD: ATV-6B 150-162 MHz Antenna 3.5" **Reduced Range Performance**	\$ 0.00
QA02457AA	ADD: ATV-8C 162-174 MHz Antenna 6"	\$ 0.00
QA03016AA	ADD: ATV-6C 162-174 MHz Antenna 3.5" **Reduced Range Performance**	\$ 0.00
QA02684AA	ADD: ATV-6XL VHF Untuned Antenna	\$ 0.00
QA02621AA	ADD: ATU-6A 400-430 MHz Antenna	\$ 0.00
QA02624AA	ADD: ATU-6D 450-485 MHz Antenna 6" (For G7 Models)	\$ 0.00
QA02615AA	ADD: ATU-6DS 450-485 MHz Antenna 3.5"	\$ 0.00

General Options:

Speaker Microphone Choices*:

QA13960AA	ADD: MH-45B4B Noise Cancelling Speaker Microphone	\$ 82.00
QA13962AA	ADD: MH-66A4B IP57 Submersible Speaker Microphone	\$ 92.00
QA13963AA	ADD: MH-360S Compact Speaker Microphone	\$ 21.00
QA13964AA	ADD: MH-450S Medium Duty Speaker Microphone w/ Lapel Clip	\$ 26.67

*5% discount is applied to MH-66A4B option only. All other option pricing is the same as stand alone accessory price.
Orders must be booked on VSOL to qualify for additional 5% off.

Programming Option:

QA02724AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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Shipping Option:

QA03060AA	ADD: Bulk Packaging	\$ 0.00
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VX-264 Series

Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

VX-264 portable model standard packages include:
FNB-V133LI -UNI 1380 mAh Li-Ion Battery
VAC-UNI Universal Rapid Charger (Components: CD-58 & PA-55)
Antenna Selection
Standard 3 Year Warranty



VX-264

Radio Features:

- 128 Channels
- 6 Programmable Buttons
- 8 Character Alpha Numeric Display
- 700mW Internal Speaker
- MDC1200 Encode/Decode: ANI, Call Alert, Sel Call, Emergency, Radio Check
- Fleetsync® ANI Encode
- DTMF ANI Encode
- 2-Tone Encode and Decode
- 5-Tone Encode and Decode
- CTCSS/DCS Encode and Decode
- Voice Inversion Encryption
- Emergency
- Lone Worker
- Multi-Mode Scanning (Incl. Dual Watch, Priority, Follow-Me and TA Scan)
- ARTS™ (Auto-Range Transpond System)
- Adjustable 1W to 5W Power Output
- BCLO, BTLO and TOT Functions
- Radio to Radio Cloning
- 3 Year Warranty

Recommended Accessories:

- Speaker Microphones**
 MH-360S Compact Speaker Microphone
 MH-450S Standard Speaker Microphone
 MH-45B4B Heavy Duty Public Safety Speaker Mic
- Headsets and Surveillance**
 MH-37A4B-1 Earpiece Mic, Light Duty
 VH-150A IS VOX capable lightweight headset, BTH
 VH-150B IS VOX capable lightweight headset, OTH
 MH100 Rx only Earpiece, 3.5mm for use with MH-450S
 MH-101A4B Single Wire Surveillance Kit
 MH-102A4B Two-Wire Surveillance Kit
- Multi-Unit Charger**
 VAC-6058 MUC Charger

PRODUCT DETAILS				NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VX-264 Series Radio Models						
136-174 MHz	VHF	1-5W	128	AC127N001-VX	VX-264-D0-5	\$ 290.00
403-470 MHz	UHF	1-5W	128	AC127U002-VX	VX-264-G6-5	\$ 290.00
450-512 MHz	UHF	1-5W	128	AC127U001-VX	VX-264-G7-5	\$ 290.00

FCC INFORMATION: AXI11273020 (134-174 MHz) / AXI11274720 (450-512 MHz) / AXI11274620 (403-470MHz)
 IC INFORMATION: 10239A-11273020 (134-174 MHz) / 10239A-11274620 (403-470 MHz) 10239A-11274720 (450-512 MHz)

VX-264 Series

Portable

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Battery Choices:

STDBAT0868AS	STANDARD BATTERY FNB-V133LI-UNI (Uses VAC-UNI charger)	\$ 0.00
QA05517AA	ADD: FNB-V134LI-UNI LI-ION BATTERY 2300MAH (Uses VAC-UNI charger)	\$ 20.00

Charger Choices:

STDCHG0868AA	ADD: VAC-UNI 120V STANDARD CHARGER (for use with FNB-V133LI-UNI& V134LI-UNI)	\$ 0.00
QA03678AA	ADD: VAC-UNI 240V EU CHARGER (for use with FNB-V133LI-UNI& V134LI-UNI)	\$ 0.00
QA03679AA	DELETE: Charger	\$ (36.00)

Antenna Choices:

QA02616AA	ADD: ATV-8A 134-150 MHz Antenna	\$ 0.00
QA02458AA	ADD: ATV-8B 150-162 MHz Antenna 6"	\$ 0.00
QA03017AA	ADD: ATV-6B 150-162 MHz Antenna 3.5" **Reduced Range Performance**	\$ 0.00
QA02457AA	ADD: ATV-8C 162-174 MHz Antenna 6"	\$ 0.00
QA03016AA	ADD: ATV-6C 162-174 MHz Antenna 3.5" **Reduced Range Performance**	\$ 0.00
QA02684AA	ADD: ATV-6XL VHF Untuned Antenna	\$ 0.00
QA02621AA	ADD: ATU-6A 400-430 MHz Antenna	\$ 0.00
QA02624AA	ADD: ATU-6D 450-485 MHz Antenna 6" (For G7 Models)	\$ 0.00
QA02615AA	ADD: ATU-6DS 450-485 MHz Antenna 3.5"	\$ 0.00

General Options:

Speaker Microphone Choices*:

QA13960AA	ADD: MH-45B4B Noise Cancelling Speaker Microphone	\$ 82.00
QA13962AA	ADD: MH-66A4B IP57 Submersible Speaker Microphone	\$ 92.00
QA13963AA	ADD: MH-360S Compact Speaker Microphone	\$ 21.00
QA13964AA	ADD: MH-450S Medium Duty Speaker Microphone w/ Lapel Clip	\$ 26.67

*5% discount is applied to MH-66A4B option only. All other option pricing is the same as stand alone accessory price.
Orders must be booked on VSOL to qualify for additional 5% off.

Programming Option:

QA02724AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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Shipping Option:

QA03060AA	ADD: Bulk Packaging	\$ 0.00
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EVX-261 Series

Portables

VHF/UHF Models, 12.5 kHz / 25 kHz, Digital/Analog

EVX-261 portable Standard Options:

- FNB-V133LI -UNI 1380 mAh Li-Ion Battery
- VAC-UNI Universal Rapid Charger (Components: CD-58 & PA-55)
- Clip-20 Belt Clip
- Antenna Selection
- Standard 3 Year Warranty



EVX-261

eVerge™

Radio Features:

- 16 Channels
- 2 Programmable Buttons
- 700mW Internal Speaker
- Emergency Alert
- Lone Worker Alert
- Multi-Mode Scanning
- Internal VOX
- ARTS™ (Auto-Range Transpond System)

Analog Features:

- MDC1200 ANI Encode
- 2-Tone Encode and Decode
- 5-Tone Encode and Decode
- Remote Stun/Kill/Revive (5-Tone)
- CTCSS/DCS Encode and Decode
- Fleetsync® ANI

Digital Features:

- All Call/Group Call /Individual Call
- Transmit Interrupt (Decode Only)
- Dual Capacity Direct Mode
- Basic Privacy

Recommended Accessories:

Speaker Microphones

- MH-360S Compact Speaker Microphone w/3.5mm Audio Jack
- MH-450S Standard Speaker Microphone w/3.5mm Audio Jack
- MH-66A4B Noise Cancelling Speaker Microphone w/3.5mm Audio Ja

Headsets and Surveillance

- MH-37A4B-1 Earpiece Mic, Light Duty
- VH-150A VOX capable lightweight headset, BTH
- VH-150B VOX capable lightweight headset, OTH
- MH100 Rx only Earpiece, 3.5mm
- MH-101A4B Single Wire Surveillance Kit
- MH-102A4B Two-Wire Surveillance Kit
- MH-103A4B Three-Wire Surveillance Kit
- MH-201A4B Heavy Duty Headset

Multi-Unit Charger

- VAC-6058 MUC Charger

PRODUCT DETAILS				NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
EVX-261 Series Radio Models						
136-174 MHz	VHF	1-5W	16	AC137N001-VX	EVX-261-D0-5	\$ 315.00
403-470 MHz	UHF	1-5W	16	AC137U002-VX	EVX-261-G6-5	\$ 315.00
450-512 MHz	UHF	1-5W	16	AC137U001-VX	EVX-261-G7-5	\$ 315.00

FCC INFORMATION: AXI11373020 (136-174MHz), AXI11374620 (403-470MHz), AXI11374720 (450-512MHz)

IC INFORMATION: 10239A-11373020 (136-174MHz), 10239A-11374620 (403-470MHz), 10239A-11374720 (450-512MHz)

EVX-261 Series

Portable

VHF/UHF Models, 12.5 kHz / 25 kHz, Digital/Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Battery Choices:

STDBAT0868AS	STANDARD BATTERY FNB-V133LI-UNI (Uses VAC-UNI charger)	\$ 0.00
QA05517AA	ADD: FNB-V134LI-UNI LI-ION BATTERY 2300MAH (Uses VAC-UNI charger)	\$ 20.00

Charger Choices:

STDCHG0868AA	ADD: VAC-UNI 120V STANDARD CHARGER (for use with FNB-V133LI-UNI& V134LI-UNI)	\$ 0.00
QA03678AA	ADD: VAC-UNI 240V EU CHARGER (for use with FNB-V133LI-UNI& V134LI-UNI)	\$ 0.00
QA03679AA	DELETE: Charger	\$ (36.00)

Antenna Choices:

QA02616AA	ADD: ATV-8A 134-150 MHz Antenna	\$ 0.00
QA02458AA	ADD: ATV-8B 150-162 MHz Antenna	\$ 0.00
QA02457AA	ADD: ATV-8C 161-174 MHz Antenna	\$ 0.00
QA02684AA	ADD: ATV-6XL VHF Untuned Antenna	\$ 0.00
QA02621AA	ADD: ATU-6A 400-430 MHz Antenna	\$ 0.00
QA06600AA	ADD: ATU-6B 420-450 MHz Antenna	\$ 0.00
QA06601AA	ADD: ATU-6C 440-470 MHz Antenna	\$ 0.00
QA02624AA	ADD: ATU-6D 450-485 MHz Antenna 6"	\$ 0.00
QA02615AA	ADD: ATU-6DS 450-485 MHz Antenna 3.5"	\$ 0.00
QA06602AA	ADD: ATU-6F 490-512 MHz Antenna	\$ 0.00

General Options:

Speaker Microphone Choices*:

QA13962AA	ADD: MH-66A4B IP57 Submersible Speaker Microphone	\$ 92.00
QA13963AA	ADD: MH-360S Compact Speaker Microphone	\$ 21.00
QA13964AA	ADD: MH-450S Medium Duty Speaker Microphone w/ Lapel Clip	\$ 26.67

*5% discount is applied to MH-66A4B option only. All other option pricing is the same as stand alone accessory price. Orders must be booked on VSOL to qualify for additional 5% off.

Programming Option:

QA02724AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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Shipping Option:

QA03060AA	ADD: Bulk Packaging	\$ 0.00
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EVX-S24 Series

Portable

UHF Models, 12.5 kHz / 25 kHz, Digital/Analog

EVX-S24 portable model standard package includes:

FNB-V142LI 2300 mAh Li-Ion Battery

Charger Selection

Clip-27 Belt Clip

Antenna Selection

Standard 3 Year Warranty



EVX-S24 eVerge™

Radio Features:

- 256 Channels
- 4 Programmable Buttons (3 front, 1 side)
- 500mW Internal Speaker
- Emergency Alert
- Lone Worker Alert
- Multiple Scan Options
- Internal VOX
- ARTS TM (Auto-Range Transpond System)

Signaling Features:

- CTCSS/DCS Encode / Decode
- 2-Tone / 5-Tone
- Stun/Kill/Revive (5-tone & DTMF Pager)
- MDC1200® Features
- Fleetsync ANI®

Analog Features:

- BTLO
- Voice Inversion Encryption

Digital Features:

- All Call/Group Call /Individual Call
- Basic & Enhanced Privacy
- Dual Capacity Direct Mode
- Site Search
- Text Message
- Transmit Interrupt (Decode Only)

Recommended Accessories:

Speaker Microphones

MH-90A4B Compact Speaker Microphone*

MH-66F4B IP57 Submersible Speaker Microphone*

Headsets and Surveillance

MH-89A4B Earpiece Microphone

VH-190 VOX Lightweight Headset, BTH*

Multi-Unit Charger

VAC-6066 Multi Unit Charger*

*Coming Soon

EVX-S24-G6 Yellow Version Coming Soon!
Available to pre-order on October 24, 2016. Shipments will begin in November 2016.

PRODUCT DETAILS			NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	
EVX-S24 Series Radio Models					
403-470 MHz	UHF	1-3W	256	AC146U002-VX*	EVX-S24-G6-3 Black \$ 354.00
403-470 MHz	UHF	1-3W	256	AC146U012-VX	EVX-S24-G6-3 Yellow \$ 354.00

FCC INFORMATION: AX111464620 (403-470MHz)
IC INFORMATION: 10239A-11464620 (403-470 MHz)

EVX-S24 Series

Portable

UHF Models, 12.5 kHz / 25 kHz, Digital/Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Battery Choices:

QA13969AA	STANDARD BATTERY FNB-V142LI Li-Ion Battery 2300 mAh	\$ 0.00
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Charger Choices:

QA13972AA	ADD: CD-65 Single Unit Charger with Standard Charging Cradle (US)	\$ 0.00
QA13973AA	ADD: CD-65 Single Unit Charger with Standard Charging Cradle (EU)	\$ 0.00
QA13974AA	ADD: Micro USB AC Charger Only (US)	\$ 0.00
QA13975AA	ADD: Micro USB AC Charger Only (EU)	\$ (34.00)
QA13977AA	DELETE: Charger	

Antenna Choices:

QA13980AA	ADD: ATU-20AS ANTENNA 400-430 MHZ, STUBBY, 3.2"	\$ 0.00
QA13981AA	ADD: ATU-20DS ANTENNA 440-470 MHZ, STUBBY, 3.2"	\$ 0.00
QA13982AA	ADD: ATU-20FS ANTENNA 450-480 MHZ, STUBBY, 3.2"	\$ 0.00

General Options:

Programming Option:

QA02724AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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Shipping Option:

QA03060AA	ADD: Bulk Packaging	\$ 0.00
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VX-350 Series

Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

VX-350 portable model standard packages include:

- FNB-130LI-UNI - 2300 mAh Li-Ion Battery
- VAC-UNI Universal Rapid Charger (Components: CD-58 & PA-55)
- Antenna Option
- Standard 3 Year Warranty



VX-354

Radio Features:

- 16 Channels
- Adjustable 1W to 5W Power Output
- 12.5/25 kHz Switchable Channel Spacing
- 6 or 2 Programmable Buttons (VX-354/VX-351 respectively)
- 8 Character Alpha Numeric Display (VX-354 only)
- CTCSS/DCS Encode and Decode
- DTMF ANI
- Dual 2-Tone Decode
- 5-Tone Signaling Built In
- Emergency
- Multi-Mode Scanning (Incl. Dual Watch, Priority, Follow-Me and TA Scan)
- ARTS™ (Auto-Range Transpond System)
- BCLO, BTLO and TOT Functions
- TX/RX Battery Saver Circuit
- Whisper
- Optional Encryption (Voice Inversion or Rolling Code)
- Optional MDC1200® / GE-Star® ANI
- Radio to Radio Cloning
- PC Programmable
- Compact and Rugged Construction

Recommended Accessories:

- Speaker Microphone**
 - MH-45B4B Noise Canceling Speaker Microphone
 - MH-450S Standard Speaker Microphone
 - MH-360S Compact Speaker Microphone
- Carry Case**
 - LCC-351S Leather Case with Swivel
 - LCC-354S Leather Case with Swivel
- Headsets and Surveillance**
 - MH-37A4B-1 Earpiece Mic, Light Duty
 - VH-120S Earpiece Mic w/ Palm PTT
 - VH-110S Over-head, Heavy Duty Headset
 - VH-115S Lightweight Headset w/ Boom
 - VH-130S Earpiece Mic w/ Palm PTT
 - VH-215S Lightweight Padded Headset, Single Speaker
- Multi-Unit Charger**
 - VAC-6300B 6 Unit Rapid Charger (for use with FNB-V96LIA only)

VX-350 Radio Cancellation

Effective upon depletion of inventory, the VX-350 series will no longer be available for purchase. For additional details, refer to VSOL > Resource Center > Product Information > Cancellations.

PRODUCT DETAILS		NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL
VX-354 Series Radio Models				
136-174	VHF	1-5W	16	AC065N102-VX
				VX-354-D0-5
				\$ 290.00

FCC INFORMATION: K6610653020 (134-174 MHz) / AXI10654620 (403-470MHz) / K6610654720 (450-512 MHz)

VX-350 Series

Portable

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Battery Choices:

STDBAT0868AB	ADD: STD BATTERY FNB-V130LI-UNI 2300 MAH LI-ION (Uses VAC-UNI charger)	\$ 0.00
QA03191AA	ADD: FNB-V96LIA 2300 MAH LI-ION (Uses VAC-300 charger)	\$ 8.33

Charger Choices:

STDCHG0868AA	ADD: VAC-UNI 120V STANDARD CHARGER (for use with FNB-V130LI-UNI)	\$ 0.00
QA03678AA	ADD: VAC-UNI 240V EU CHARGER (for use with FNB-V130LI-UNI)	\$ 0.00
QA02594AA	ADD: VAC-300B Rapid Charger (for use with FNB-V96LIA)	\$ 8.33
QA02630AA	ADD: VAC-300C 240V Desktop Rapid Charger (for use with FNB-V96LIA)	\$ 8.33
QA02589AA	DELETE: Charger	\$ (36.00)

Antenna Choices:

QA02616AA	ADD: ATV-8A 134-150 MHz Antenna	\$ 0.00
QA02458AA	ADD: ATV-8B 150-162 MHz Antenna 6"	\$ 0.00
QA03017AA	ADD: ATV-6B 150-162 MHz Antenna 3.5" **Reduced Range Performance**	\$ 0.00
QA02457AA	ADD: ATV-8C 162-174 MHz Antenna 6"	\$ 0.00
QA03016AA	ADD: ATV-6C 162-174 MHz Antenna 3.5" **Reduced Range Performance**	\$ 0.00
QA02684AA	ADD: ATV-6XL VHF Untuned Antenna	\$ 0.00

General Options:

Programming Option:

QA02724AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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Shipping Option:

QA03060AA	ADD: Bulk Packaging	\$ 0.00
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VX-450 Series

Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

VX-450 portable model standard packages include:

- FNB-V133LI-UNI - 1380 mAh Li-ion Battery
- VAC-UNI Universal Rapid Charger (Components: CD-58 & PA-55)
- Antenna Selection
- I.S. Option: FNB-V113LIIS (Uses VAC-450 or VAC-6450 charger)
- Standard 3 Year Warranty



VX-451

VX-454

VX-459

Radio Features:

- Adjustable 0.25W to 5W Power Output
- 512 Chan/32 Groups (W/LCD)-32 Chan/2 Groups (W/O LCD)
- 8 Character Alphanumeric Display (VX-454/459)
- 9 Programmable Keys (VX-459), 7 (VX-454) or 3 (VX-451)
- Embedded MDC-1200 Encode/Decode
- Channel Announcement
- Voice Inversion Scrambling
- Emergency Function
- Manual on/off encryption activation
- DTMF ANI / Speed Dial / Paging
- CTCSS/DCS Encode/Decode
- Stun/Kill/Revive (5-Tone)
- Compander / Clear Voice / Whisper
- Priority Scan, Dual Watch, Follow me, Talk Around Scan Modes
- Radio to Radio Cloning (Also with Portable <=> Mobile Cloning)
- IP57 Rating
- MIL-STD 810 C/D/E/F/G
- BCLO, BTLO and TOT Functions
- Programmable LED Color Alert
- Optional Voice Storage

Recommended Accessories:

Speaker Microphones

- MH-360S Compact Speaker Microphone
- MH-450S Standard Speaker Microphone
- MH-45B4B Heavy Duty Public Safety Speaker Mic
- MH-66A4B IP57 Submersible Speaker Mic

Headsets and Surveillance

- VH-110S Over the head Heavy Duty Dual-Muff Headset
- VH-115S Lightweight Headset with Boom Mic
- VH-215S Over the head Single Muff Headset
- VH-120S Earpiece Mic w/Palm PTT
- VH-130S Earpiece Mic w/palm mic and PTT
- MH-37A4B-1 Earpiece Mic, Light Duty
- VH-150A IS VOX capable lightweight headset, BTH
- VH-150B IS VOX capable lightweight headset, OTH

Multi-Unit Charger

- VAC-6450 6 Unit Rapid Charger (Use FNB-V112

Option B and FNB-V113 Only)

- DVS-8 Digital Voice Storage Unit
- DVS-9 Mandown & Voice Storage Unit

PRODUCT DETAILS				NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VX-451 Radio Models						
136-174 MHz	VHF	0.25-5W	32	AC095N101-VX	VX-451-D0	\$ 320.00
400-470 MHz	UHF	0.25-5W	32	AC095U102-VX	VX-451-G6	\$ 320.00
450-512 MHz	UHF	0.25-5W	32	AC095U101-VX	VX-451-G7	\$ 320.00
VX-454 Radio Models						
136-174 MHz	VHF	0.25-5W	512	AC094N102-VX	VX-454-D0	\$ 380.00
400-470 MHz	UHF	0.25-5W	512	AC094U104-VX	VX-454-G6	\$ 380.00
450-512 MHz	UHF	0.25-5W	512	AC094U102-VX	VX-454-G7	\$ 380.00
VX-459 Radio Models						
136-174 MHz	VHF	0.25-5W	512	AC094N101-VX	VX-459-D0	\$ 440.00
400-470 MHz	UHF	0.25-5W	512	AC094U103-VX	VX-459-G6	\$ 440.00
450-512 MHz	UHF	0.25-5W	512	AC094U101-VX	VX-459-G7	\$ 440.00

FCC INFORMATION: K6610943020 (134-174 MHz) / K6610944620 (403-470 MHz) / K6610944720 (450-512 MHz)

VX-450 Series

Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Battery Choices:

STDBAT0868AS	STANDARD BATTERY FNB-V133LI-UNI (Uses VAC-UNI charger)	\$ 0.00
QA03680AA	ADD: FNB-V134LI-UNI LI-ION BATTERY 2300MAH (Uses VAC-UNI charger)	\$ 30.00
QA02461AA	ADD: FNB-112LI 1140 mAh Li-Ion Battery (Uses VAC-450 charger)	\$ 8.33
QA02462AA	ADD: FNB-V113LI 2300 mAh Li-Ion Battery (Uses VAC-450 charger)	\$ 38.33
QA03904AA*	ADD: FNB-113LIIS 2300 MAH LI-ION I.S. BATTERY (Uses VAC-450 charger)	\$ 85.00
QA04954AA	ADD: FNB-V134LIIS-UNI LI-ION I.S. BATTERY 2300MAH (REQUIRES UNI CHARGER)	\$ 85.00

Charger Choices:

STDCHG0868AA	ADD: VAC-UNI 120V STANDARD CHARGER (Use FNB-V133 and FNB-V134)	\$ 0.00
QA03678AA	ADD: VAC-UNI 240V EU CHARGER (Use FNB-V133 and FNB-V134)	\$ 0.00
QA02598AA	ADD: VAC-450B Rapid Rate Charger (Use FNB-V112 and FNB-V113)	\$ 0.00
QA02642AA	ADD: VAC-450C 240V CHARGER POWER SUPPLY (Use FNB-V112 & FNB-V113)	\$ 0.00
QA02597AA	DELETE: Charger	\$ (36.00)

Antenna Choices:

QA02460AA	ADD: ATV-16A 136-150 MHz Antenna	\$ 0.00
QA02463AA	ADD: ATV-16B 150-162 MHz Antenna	\$ 0.00
QA02478AA	ADD: ATV-16C 162-174 MHz Antenna	\$ 0.00
QA02618AA	ADD: ATV-16XL VHF Untuned Antenna	\$ 0.00
QA02466AA	ADD: ATU-16B 400-420 MHz Antenna	\$ 0.00
QA03039AA	ADD: ATU-16BS 400-430MHz (Stubby)	\$ 0.00
QA02467AA	ADD: ATU-16C 420-450 MHz Antenna	\$ 0.00
QA02464AA	ADD: ATU-16D 450-470 MHz Antenna	\$ 0.00
QA03040AA	ADD: ATU-16DS 450-490MHz (Stubby)	\$ 0.00
QA02465AA	ADD: ATU-16F 470-512 MHz Antenna	\$ 0.00

General Options:

LTR Option:

QA03066AA	ADD: LTR TRUNKING	\$ 67.00
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Speaker Microphone Choices*:

QA13960AA	ADD: MH-45B4B Noise Cancelling Speaker Microphone	\$ 82.00
QA13962AA	ADD: MH-66A4B IP57 Submersible Speaker Microphone	\$ 92.00
QA13963AA	ADD: MH-360S Compact Speaker Microphone	\$ 21.00
QA13964AA	ADD: MH-450S Medium Duty Speaker Microphone w/ Lapel Clip	\$ 26.67

*5% discount is applied to MH-66A4B option only. All other option pricing is the same as stand alone accessory price.
Orders must be booked on VSOL to qualify for additional 5% off.

Programming Option:

QA02724AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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Shipping Option:

QA03060AA	ADD: Bulk Packaging	\$ 0.00
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EVX-530 Series

Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Digital/Analog

EVX-531 portable model standard packages include:

- FNB-V133LI - 1380 mAh Li-ion Battery
- VAC-UNI Universal Rapid Charger (Components: CD-58 & PA-55)
- VHF or UHF Antenna Selection
- CLIP-20 Belt Clip
- Standard 3 Year Warranty



EVX-531

EVX-539

eVerge™

Radio Features:

- 5W Power Output
- 32 Channels/2 Groups
- 3 Programmable Buttons
- IP57 Rating
- Programmable Tri-Color Custom LED Alert
- Compander / Clear Voice / Whisper
- Channel Announcement

Digital & Analog Features:

- Mixed Mode Scan
- Emergency
- Priority Scan, Dual Watch, Follow me, Talk Around Scan Modes
- Lone Worker
- PTT ID Encode
- BCLO, BTLO and TOT Functions
- Key Lock
- Remote Monitor

Digital Only Features:

- All Call, Group Call, Individual Call
- Escalart

Analog Only Features:

- Embedded MDC-1200 Encode
- CTCSS/DCS Encode/Decode
- 2 Tone Encode/Decode

Recommended Accessories:

Speaker Microphones

- MH-360S Compact Speaker Microphone
- MH-450S Standard Speaker Microphone
- MH-66A4B IP57 Submersible Speaker Mic

Headsets and Surveillance

- MH-37A4B-1 Earpiece Mic, Light Duty
- VH-150A IS VOX capable lightweight headset, BT
- VH-150B IS VOX capable lightweight headset, OT
- MH100 Rx only Earpiece, 3.5mm for use with MH-
- MH-101A4B Single Wire Surveillance Kit
- MH-102A4B Two-Wire Surveillance Kit

Multi-Unit Charger

- VAC-6058 MUC Charger

EVX-539 Legacy Display Model Cancellation
Effective upon depletion of inventory, the EVX-539 legacy display models will no longer be available for purchase. For replacement models and additional details, refer to VSOL > Resource Center > Product Information > Cancellations

PRODUCT DETAILS				NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
EVX-531 Radio Models						
136-174 MHz	VHF	0.25-5W	32	AC113N001-VX	EVX-531-D0-5 VHF 136-174 MHZ	\$ 457.00
403-470 MHz	UHF	0.25-5W	32	AC113U002-VX	EVX-531-G6-5 UHF 403-470 MHZ	\$ 457.00
450-512 MHz	UHF	0.25-5W	32	AC113U001-VX	EVX-531-G7-5 UHF 450-512 MHZ	\$ 457.00
EVX-539 Radio Models						
136-174 MHz	VHF	0.25-5W	512	AC115N002-VX	EVX-539-D0-5 VHF 136-174 MHZ	\$ 540.00

FCC INFORMATION: EVX-531 Models AXI11133020 (136-174 MHz) / AXI11134620 (403-470 MHz) / AXI11134720 (450-512 MHz) EVX-534/539 Models AXI11153020 (136-174 MHz) / AXI11154620 (403-470 MHz) / AXI11154720 (450-512 MHz)
IC Info: EVX-531 Models: 10239A-11133020(136-174 MHz)/10239A-11134620(403-470 MHz)/10239A-11134720(450-512 MHz) EVX-534/539 Models: 10239A-11153020(136-174 MHz)/10239A-11154620(403-470 MHz)/10239A-11154720(450-512 MHz)

Date 11/1/16
MSRP

EVX-530 Series

Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Digital/Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Battery Choices:

STDBAT0868AE	ADD: FNB-V133LI-UNI LI-ION BATTERY 1380MAH	\$ 0.00
QA03680AA	ADD: FNB-134LI-UNI LI-ION BATTERY 2300MAH	\$ 30.00

Charger Choices:

STDCHG0868AA	ADD: VAC-UNI-B Universal Rapid Rate Charger	\$ 0.00
QA03678AA	ADD: VAC-UNI-C Universal 240V EU CHARGER	\$ 0.00
QA03679AA	DELETE: Charger	\$ (36.00)

Antenna Choices:

QA02460AA	ADD: ATV-16A 136-150 MHz Antenna	\$ 0.00
QA02463AA	ADD: ATV-16B 150-162 MHz Antenna	\$ 0.00
QA02478AA	ADD: ATV-16C 162-174 MHz Antenna	\$ 0.00
QA02618AA	ADD: ATV-16XL VHF Untuned Antenna	\$ 0.00
QA02466AA	ADD: ATU-16B 400-420 MHz Antenna	\$ 0.00
QA03039AA	ADD: ATU-16BS 400-430MHz (Stubby)	\$ 0.00
QA02467AA	ADD: ATU-16C 420-450 MHz Antenna	\$ 0.00
QA02464AA	ADD: ATU-16D 450-470 MHz Antenna	\$ 0.00
QA03040AA	ADD: ATU-16DS 450-490MHz (Stubby)	\$ 0.00
QA02465AA	ADD: ATU-16F 470-512 MHz Antenna	\$ 0.00

General Options:

Speaker Microphone Choices*:

QA13962AA	ADD: MH-66A4B IP57 Submersible Speaker Microphone	\$ 92.00
QA13963AA	ADD: MH-360S Compact Speaker Microphone	\$ 21.00
QA13964AA	ADD: MH-450S Medium Duty Speaker Microphone w/ Lapel Clip	\$ 26.67

*5% discount is applied to MH-66A4B option only. All other option pricing is the same as stand alone accessory price.
Orders must be booked on VSOL to qualify for additional 5% off.

Programming Option:

QA02724AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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Shipping Option:

QA03060AA	ADD: Bulk Packaging	\$ 0.00
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EVX-530 Series Enhanced Display

Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Digital/Analog

EVX-534/539 portable model standard packages include:
 FNB-V133LI - 1380 mAh Li-ion Battery
 VAC-UNI Universal Rapid Charger (Components: CD-58 & PA-55)
 VHF or UHF Antenna Selection
 CLIP-20 Belt Clip
 Standard 3 Year Warranty

Radio Features:

- 5W Power Output
- 512 Channels/32 Groups
- 7/9 Programmable Buttons
- IP57 Rating
- Channel Announcement

Digital & Analog Features:

- Mixed Mode Scan
- Emergency
- Priority Scan, Dual Watch, Follow me, Talk Around Scan Modes
- Lone Worker
- PTT ID Encode/Decode
- BCLO, BTLO and TOT Functions
- Key Lock
- DTMF Encode
- Remote Monitor

Digital Only Features:

- All Call, Group Call, Individual Call
- Text Messaging
- Direct/Dual Capacity Mode
- Transmit Interrupt
- Basic/Enhanced Privacy
- 256 bit AES Enhanced Encryption
- Site Roaming
- 128 Record Contact List

Analog Only Features:

- Embedded MDC-1200 Encode/Decode
- CTCSS/DCS Encode/Decode
- 2 Tone Encode/Decode
- 5 Tone Encode/Decode
- DTMF Paging (EVX-539)
- Remote Stun/Kill/Revive (5-Tone)



EVX-534 EVX-539



Recommended Accessories:

Speaker Microphones

- MH-360S Compact Speaker Microphone
- MH-450S Standard Speaker Microphone
- MH-66A4B IP57 Submersible Speaker Mic

Headsets and Surveillance

- MH-37A4B-1 Earpiece Mic, Light Duty
- VH-150A IS VOX capable lightweight headset, BTH
- VH-150B IS VOX capable lightweight headset, OTH
- MH100 Rx only Earpiece, 3.5mm for use with MH-450S
- MH-101A4B Single Wire Surveillance Kit
- MH-102A4B Two-Wire Surveillance Kit

Multi-Unit Charger

- VAC-6058 MUC Charger

PRODUCT DETAILS	NEW MODEL	PREVIOUS MODEL	MSRP
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BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	
EVX-534 Radio Models					
136-174 MHz	VHF	0.25-5W	512	AC129N001-VX	EVX-534-D0-5 VHF 136-174 MHz \$ 498.00
403-470 MHz	UHF	0.25-5W	512	AC129U002-VX	EVX-534-G6-5 UHF 403-470 MHz \$ 498.00
450-512 MHz	UHF	0.25-5W	512	AC129U001-VX	EVX-534-G7-5 UHF 450-512 MHz \$ 498.00
EVX-539 Radio Models					
136-174 MHz	VHF	0.25-5W	512	AC129N002-VX	EVX-539-D0-5 VHF 136-174 MHz \$ 540.00
403-470 MHz	UHF	0.25-5W	512	AC129U004-VX	EVX-539-G6-5 UHF 403-470 MHz \$ 540.00
450-512 MHz	UHF	0.25-5W	512	AC129U003-VX	EVX-539-G7-5 UHF 450-512 MHz \$ 540.00

FCC INFORMATION: EVX-534/539 Models AXI11153020 (136-174 MHz) / AXI11154620 (403-470 MHz) / AXI11154720 (450-512 MHz)

IC Info: EVX-534/539 Models: 10239A-11153020(136-174 MHz)/10239A-11154620 (403-470 MHz)/10239A-11154720 (450-512 MHz)

EVX-530 Series Enhanced Display Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Digital/Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Battery Choices:

STDBAT0868AE	ADD: FNB-V133LI-UNI LI-ION BATTERY 1380MAH	\$ 0.00
QA03680AA	ADD: FNB-134LI-UNI LI-ION BATTERY 2300MAH	\$ 30.00

Charger Choices:

STDCHG0868AA	ADD: VAC-UNI-B Universal Rapid Rate Charger	\$ 0.00
QA03678AA	ADD: VAC-UNI-C Universal 240V EU CHARGER	\$ 0.00
QA03679AA	DELETE: Charger	\$ (36.00)

Antenna Choices:

QA02460AA	ADD: ATV-16A 136-150 MHz Antenna	\$ 0.00
QA02463AA	ADD: ATV-16B 150-162 MHz Antenna	\$ 0.00
QA02478AA	ADD: ATV-16C 162-174 MHz Antenna	\$ 0.00
QA02618AA	ADD: ATV-16XL VHF Untuned Antenna	\$ 0.00
QA02466AA	ADD: ATU-16B 400-420 MHz Antenna	\$ 0.00
QA03039AA	ADD: ATU-16BS 400-430MHz (Stubby)	\$ 0.00
QA02467AA	ADD: ATU-16C 420-450 MHz Antenna	\$ 0.00
QA02464AA	ADD: ATU-16D 450-470 MHz Antenna	\$ 0.00
QA03040AA	ADD: ATU-16DS 450-490MHz (Stubby)	\$ 0.00
QA02465AA	ADD: ATU-16F 470-512 MHz Antenna	\$ 0.00

General Options:

Speaker Microphone Choices*:

QA13962AA	ADD: MH-66A4B IP57 Submersible Speaker Microphone	\$ 92.00
QA13963AA	ADD: MH-360S Compact Speaker Microphone	\$ 21.00
QA13964AA	ADD: MH-450S Medium Duty Speaker Microphone w/ Lapel Clip	\$ 26.67

**5% discount is applied to MH-66A4B option only. All other option pricing is the same as stand alone accessory price. Orders must be booked on VSOL to qualify for additional 5% off.*

Programming Option:

QA02724AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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Shipping Option:

QA03060AA	ADD: Bulk Packaging	\$ 0.00
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EVX-530 Series Intrinsically Safe Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Digital/Analog

EVX-530 IS portable model standard packages include:

- FNB-V134LIIS - 2300 mAh I.S. Li-ion Battery
- VAC-UNI Universal Rapid Charger (Components: CD-58 & PA-55)
- VHF or UHF Antenna Selection
- CLIP-20 Belt Clip
- Standard 3 Year Warranty



EVX-531 EVX-534 EVX-539



Radio Features:

- 5W Power Output
- 32 Channels/2 Groups
- 3 Programmable Buttons
- IP57 Rating
- Programmable Tri-Color Custom LED Alert
- Compander / Clear Voice / Whisper
- Channel Announcement

Digital & Analog Features:

- Mixed Mode Scan
- Emergency
- Priority Scan, Dual Watch, Follow me, Talk Around Scan Modes
- Lone Worker
- PTT ID Encode
- BCLO, BTLO and TOT Functions
- Key Lock
- Remote Monitor

Digital Only Features:

- All Call, Group Call, Individual Call
- Escalart

Analog Only Features:

- Embedded MDC-1200 Encode
- CTCSS/DCS Encode/Decode
- 2 Tone Encode/Decode

Recommended Accessories:

- Speaker Microphone
- MH-66A4B IP57 Submersible Speaker Mic

PRODUCT DETAILS	NEW MODEL	PREVIOUS MODEL	MSRP
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BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
EVX-531 Radio Models						
136-174 MHz	VHF	0.25-5W	32	AC113N021-VX	EVX-531-D0-5 VHF 136-174 MHz Intrinsically Safe	\$ 542.00
403-470 MHz	UHF	0.25-5W	32	AC113U022-VX	EVX-531-G6-5 UHF 403-470 MHz Intrinsically Safe	\$ 542.00
450-512 MHz	UHF	0.25-5W	32	AC113U021-VX	EVX-531-G7-5 UHF 450-512 MHz Intrinsically Safe	\$ 542.00
EVX-534 Radio Models						
136-174 MHz	VHF	0.25-5W	512	AC115N021-VX	EVX-534-D0-5 VHF 136-174 MHz Intrinsically Safe	\$ 583.00
403-470 MHz	UHF	0.25-5W	512	AC115U022-VX	EVX-534-G6-5 UHF 403-470 MHz Intrinsically Safe	\$ 583.00
450-512 MHz	UHF	0.25-5W	512	AC115U021-VX	EVX-534-G7-5 UHF 450-512 MHz Intrinsically Safe	\$ 583.00
EVX-539 Radio Models						
136-174 MHz	VHF	0.25-5W	512	AC115N022-VX	EVX-539-D0-5 VHF 136-174 MHz Intrinsically Safe	\$ 625.00
403-470 MHz	UHF	0.25-5W	512	AC115U024-VX	EVX-539-G6-5 UHF 403-470 MHz Intrinsically Safe	\$ 625.00
450-512 MHz	UHF	0.25-5W	512	AC115U023-VX	EVX-539-G7-5 UHF 450-512 MHz Intrinsically Safe	\$ 625.00

CCC INFORMATION: EVX-531 Models AXI11133020 (136-174 MHz) / AXI11134620 (403-470 MHz) / AXI11134720 (450-512 MHz) EVX-534/539 Models AXI11153020 (136-174 MHz) / AXI11154620 (403-470 MHz) / AXI11154720 (450-512 MHz)
 IC Info: EVX-531 Models: 10239A-11133020(136-174 MHz)/10239A-11134620(403-470 MHz)/10239A-11134720(450-512 MHz) EVX-534/539 Models: 10239A-11153020(136-174 MHz)/10239A-11154620 (403-470 MHz)/10239A-11154720 (450-512 MHz)

EVX-530 Series Intrinsically Safe Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Digital/Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Battery Choices:

QA04678AA	ADD: FNB-V134LIIS- LI-ION I.S. BATTERY 2300MAH	\$ 0.00
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Charger Choices:

STDCHG0868AA	ADD: VAC-UNI-B Universal Rapid Rate Charger	\$ 0.00
QA03678AA	ADD: VAC-UNI-C Universal 240V EU CHARGER	\$ 0.00
QA03679AA	DELETE: Charger	\$ (36.00)

Antenna Choices:

QA02460AA	ADD: ATV-16A 136-150 MHz Antenna	\$ 0.00
QA02463AA	ADD: ATV-16B 150-162 MHz Antenna	\$ 0.00
QA02478AA	ADD: ATV-16C 162-174 MHz Antenna	\$ 0.00
QA02618AA	ADD: ATV-16XL VHF Untuned Antenna	\$ 0.00
QA02466AA	ADD: ATU-16B 400-420 MHz Antenna	\$ 0.00
QA03039AA	ADD: ATU-16BS 400-430MHz (Stubby)	\$ 0.00
QA02467AA	ADD: ATU-16C 420-450 MHz Antenna	\$ 0.00
QA02464AA	ADD: ATU-16D 450-470 MHz Antenna	\$ 0.00
QA03040AA	ADD: ATU-16DS 450-490MHz (Stubby)	\$ 0.00
QA02465AA	ADD: ATU-16F 470-512 MHz Antenna	\$ 0.00

General Options:

Speaker Microphone Choices*:

QA13962AA	ADD: MH-66A4B IP57 Submersible Speaker Microphone	\$ 92.00
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**5% discount is applied to MH-66A4B option only. All other option pricing is the same as stand alone accessory price. Orders must be booked on VSOL to qualify for additional 5% off.*

Programming Option:

QA02724AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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VX-820 Series

Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

VX-820 portable model standard packages include:

- FNB-V128LI-UNI 2300 mAh Li-Ion Battery
- VAC-UNI Universal Rapid Charger (Components: CD-58 & PA-55)
- Antenna Option
- Standard 3 Year Warranty



VX-821 VX-824 VX-829

Radio Features:

- 512 Channels/32 Groups (W/LCD) 16 Channels (w/o LCD)
- 12 Character Alpha Numeric Display/Full Keypad
- RSSI & Battery Life Indicator
- 12.5/25 kHz Switchable Channel Spacing
- 9 Programmable Keys (VX-829)
- 7 Programmable Keys (VX-824)
- 3 Programmable Keys (VX-821)
- CTCSS/DCS Encode and Decode
- DTMF ANI
- Optional DTMF Paging
- Audio Compressor
- 2-Tone Encode & Dual 2-Tone Decode
- 5-Tone Encode/Decode
- Multi-Mode Scanning (Inc. Priority, Dual Watch, Follow-Me)
- Emergency Function
- ARTS™(Auto-Range Transpond System)
- BCLO, BTLO and TOT Functions
- Optional Voice Inversion Encryption
- Optional Rolling Code Encryption
- Optional Voice Storage
- Optional MDC1200® & GE-Star® ANI
- PC Programmable
- Radio to Radio Cloning
- Rugged, Compact Construction
- MIL-STD C/D/E/F

Recommended Accessories:

Speaker Microphones

- MH-50D7A Public Safety Speaker Mic w/Toggle
- MH-66A7A Submersible Noise Canceling
- MH-66B7A Submersible with 2 Prog. Func. Keys

Carry Cases

LCC-820S Series (See accessories section for details)

Headsets and Surveillance

- VH-111 Heavy Duty Dual Muff Over the Head style
- VH-121 3 Wire Mini Lapel Mic Surveillance Kit
- VH-131 2 Wire Palm Kit
- VH-115L Headset

VAC-6058 120/240V 6 Unit Rapid Charger

Alkaline Battery Case

FBA-34 Alkaline Battery Case

PRODUCT DETAILS				NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VX-821 Radio Models						
134-174 MHz	VHF	1-5W	16	AC058N011-VX	VX-821-D0-5	\$ 666.00
400-470 MHz	UHF	1-5W	16	AC058U022-VX	VX-821-G6-5	\$ 682.00
450-512 MHz	UHF	1-5W	16	AC058U019-VX	VX-821-G7-5	\$ 682.00
VX-824 Radio Models						
134-174 MHz	VHF	1-5W	512	AC058N012-VX	VX-824-D0-5	\$ 708.00
400-470 MHz	UHF	1-5W	512	AC058U023-VX	VX-824-G6-5	\$ 724.00
450-512 MHz	UHF	1-5W	512	AC058U020-VX	VX-824-G7-5	\$ 724.00
VX-829 Radio Models						
134-174 MHz	VHF	1-5W	512	AC058N013-VX	VX-829-D0-5	\$ 738.00
400-470 MHz	UHF	1-5W	512	AC058U024-VX	VX-829-G6-5	\$ 754.00
450-512 MHz	UHF	1-5W	512	AC058U021-VX	VX-829-G7-5	\$ 754.00

FCC INFORMATION: K6610583020 (134-174 MHz) / K6610584620 (403-470 MHz) / K6610584720 (450-512 MHz)

VX-820 Series Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Battery Choices:

STDBAT0868AC	ADD: STD BATTERY FNB-V128LI-UNI 2300 mAh Li-Ion Battery (Uses VAC-UNI Charger)	\$ 0.00
QA03902AA	ADD: FNB-V127LI-UNI 1380 mAh Li-Ion Battery (Uses VAC-UNI Charger)	\$ (16.00)
QA04398AA	ADD: FNB-V129LI-UNI 3000 mAh Li-Ion Battery (Uses VAC-UNI Charger)	\$ 60.00
QA04972AA	ADD: FNB-V129LIIS 3000 mAh Intrinsically Safe Li-Ion Battery (Uses VAC-UNI Charger)	\$ 118.34
QA02488AA	ADD: FNB-V87LIA 2300 mAh Li-Ion Battery (Uses VAC-921 Charger)	\$ 8.33
QA02659AA	ADD: FNB-V86LIA 1380 mAh Li-Ion Battery (Uses VAC-921 Charger)	\$ (7.67)
QA02660AA	ADD: FNB-V92LI 3000 mAh Li-Ion Battery (Uses VAC-921 Charger)	\$ 68.33

Charger Choices:

STDCHG0868AA	ADD: VAC-UNI 120V Standard Charger (Use with FNB-V127LI, FNB-V128LI, FNB-V129LI-UNI)	\$ 0.00
QA03678AA	ADD: VAC-UNI 240V EU Charger (Use with FNB-V127LI, FNB-V128LI, FNB-V129LI-UNI)	\$ 0.00
QA02742AA	ADD: VAC-921B 120V Rapid Rate Charger (Use with FNB-V86LIA, FNB-V87LIA, FNB-V92LI, FNB-V92LIIS)	\$ 8.33
QA02743AA	ADD: VAC-921C 240V Rapid Rate Charger (Use with FNB-V86LIA, FNB-V87LIA, FNB-V92LI, FNB-V92LIIS)	\$ 8.33
QA02481AA	DELETE: Charger	\$ (36.00)

Antenna Choices:

QA02616AA	ADD: ATV-8A 134-150 MHz Antenna	\$ 0.00
QA02458AA	ADD: ATV-8B 150-162 MHz Antenna 6"	\$ 0.00
QA03017AA	ADD: ATV-6B 150-162 MHz Antenna 3.5" **Reduced Range Performance**	\$ 0.00
QA02457AA	ADD: ATV-8C 162-174 MHz Antenna 6"	\$ 0.00
QA03016AA	ADD: ATV-6C 162-174 MHz Antenna 3.5" **Reduced Range Performance**	\$ 0.00
QA02684AA	ADD: ATV-6XL VHF Untuned Antenna	\$ 0.00
QA02621AA	ADD: ATU-6A 400-430 MHz Antenna	\$ 0.00
QA02624AA	ADD: ATU-6D 450-485 MHz Antenna 6"	\$ 0.00
QA02615AA	ADD: ATU-6DS 450-485 MHz Antenna 3.5"	\$ 0.00

General Options:

Speaker Microphone Choices*:

QA13965AA	ADD: MH-50D7A Public Safety Speaker Microphone	\$ 94.00
QA13966AA	ADD: MH-66A7A Submersible NC Speaker Microphone	\$ 92.00
QA13967AA	ADD: MH-66B7A Submersible Speaker Microphone	\$ 180.00

*Option pricing is the same as stand alone accessory price.

Programming Option:

QA02724AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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Shipping Option:

QA03060AA	ADD: Bulk Packaging	\$ 0.00
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VX-920 Series

Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

VX-920 Series portable models packages can include:

- FNB-V128LI-UNI 2300 mAh Li-Ion Battery
- VAC-UNI Universal Rapid Charger (Components: CD-58 & PA-55)
- Antenna Option
- Standard 3 Year Warranty



VX-921

VX-924

Radio Features:

- 512 Channels/32 Groups (VX-924) 48 Channels (VX-921)
- 12 Character Alpha Numeric Display (VX-924)
- Eight Programmable Keys (VX-924)
- Four Programmable Keys (VX-921)
- Programmable 3-position toggle key
- 7 - Color LED Call Alert Indicator
- RSSI & Battery Life Indicator
- 12.5/25 kHz Switchable Channel Spacing
- Stun / Kill / Revive (5-tone)
- Lone Worker
- CTCSS/DCS Encode and Decode
- DTMF ANI
- Optional DTMF Paging
- Audio Compander & Whisper
- 2-Tone Encode & Dual 2-Tone Decode
- 5-Tone Encode/Decode
- Multi-Mode Scanning (Inc. Priority, Dual Watch & Follow-Me) (Incl. Dual Watch, Priority, Follow-Me)
- Emergency Function
- ARTS™(Auto-Range Transpond System)
- BCLO, BTLO and TOT Functions
- Optional Voice Inversion Encryption
- Optional Rolling Code Encryption
- Optional Voice Storage
- Optional MDC1200® & GE-Star® ANI
- PC Programmable
- Radio to Radio Cloning
- Rugged, Compact Construction
- MIL-STD C/D/E/F

Recommended Accessories:

- Speaker Microphones**
 - MH-50D7A Public Safety Speaker Mic w/Toggle
 - MH-66A7A Submersible Noise Canceling
 - MH-66B7A Submersible with 2 Prog. Func. Keys
- Carry Cases**
 - LCC-920S Series (See accessories section for details)
- Headsets and Surveillance**
 - VH-111 Heavy Duty Dual Muff Over the Head style
 - VH-121 3 Wire Mini Lapel Mic Surveillance Kit
 - VH-131 2 Wire Palm Kit
 - VH-115L Headset
- Multi-Unit Chargers**
 - VAC-6058 120/240V 6 Unit Rapid Charger
- Alkaline Battery Case**
 - FBA-34 Alkaline Battery Case

PRODUCT DETAILS		NEW MODEL	PREVIOUS MODEL	MSRP
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BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VX-921 Radio Models						
134-174 MHz	VHF	1-5W	48	AC033N018-VX	VX-921-D0-5	\$ 650.00
400-470 MHz	UHF	5W	48	AC033U035-VX	VX-921-G6-5	\$ 666.00
450-512 MHz	UHF	1-5W	48	AC033U026-VX	VX-921-G7-5	\$ 666.00
VX-924 Radio Models						
134-174 MHz	VHF	1-5W	512	AC033N019-VX	VX-924-D0-5	\$ 692.00
400-470 MHz	UHF	5W	512	AC033U036-VX	VX-924-G6-5	\$ 708.00
450-512 MHz	UHF	1-5W	512	AC033U027-VX	VX-924-G7-5	\$ 708.00

FCC INFORMATION: K6610333020 (134-174 MHz) / K6610334620 (403-470 MHz) / K6610334720 (450-512 MHz)

VX-920 Series**Portables**

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP**Battery Choices:**

STDBAT0868AC	ADD: STD BATTERY FNB-V128LI-UNI 2300 mAh Li-Ion Battery (Uses VAC-UNI Charger)	\$ 0.00
QA03902AA	ADD: FNB-V127LI-UNI 1380 mAh Li-Ion Battery (Uses VAC-UNI Charger)	\$ (16.00)
QA04398AA	ADD: FNB-V129LI-UNI 3000 mAh Li-Ion Battery (Uses VAC-UNI Charger)	\$ 60.00
QA04972AA	ADD: FNB-V129LIIS 3000 mAh Intrinsically Safe Li-Ion Battery (Uses VAC-UNI Charger)	\$ 118.34
QA02488AA	ADD: FNB-V87LIA 2300 mAh Li-Ion Battery (Uses VAC-921 Charger)	\$ 8.33
QA02659AA	ADD: FNB-V86LIA 1380 mAh Li-Ion Battery (Uses VAC-921 Charger)	\$ (7.67)
QA02660AA	ADD: FNB-V92LI 3000 mAh Li-Ion Battery (Uses VAC-921 Charger)	\$ 68.33

Charger Choices:

STDCHG0868AA	ADD: VAC-UNI 120V Standard Charger (Use with FNB-V127LI, FNB-V128LI, FNB-V129LI-UNI)	\$ 0.00
QA03678AA	ADD: VAC-UNI 240V EU Charger (Use with FNB-V127LI, FNB-V128LI, FNB-V129LI-UNI)	\$ 0.00
QA02742AA	ADD: VAC-921B 120V Rapid Rate Charger (Use with FNB-V86LIA, FNB-V87LIA, FNB-V92LI, FNB-V92LIIS)	\$ 8.33
QA02743AA	ADD: VAC-921C 240V Rapid Rate Charger (Use with FNB-V86LIA, FNB-V87LIA, FNB-V92LI, FNB-V92LIIS)	\$ 8.33
QA02481AA	DELETE: Charger	\$ (36.00)

Antenna Choices:

QA02616AA	ADD: ATV-8A 134-150 MHz Antenna	\$ 0.00
QA02458AA	ADD: ATV-8B 150-162 MHz Antenna 6"	\$ 0.00
QA03017AA	ADD: ATV-6B 150-162 MHz Antenna 3.5" **Reduced Range Performance**	\$ 0.00
QA02457AA	ADD: ATV-8C 162-174 MHz Antenna 6"	\$ 0.00
QA03016AA	ADD: ATV-6C 162-174 MHz Antenna 3.5" **Reduced Range Performance**	\$ 0.00
QA02684AA	ADD: ATV-6XL VHF Untuned Antenna	\$ 0.00
QA02621AA	ADD: ATU-6A 400-430 MHz Antenna	\$ 0.00
QA02624AA	ADD: ATU-6D 450-485 MHz Antenna 6"	\$ 0.00
QA02615AA	ADD: ATU-6DS 450-485 MHz Antenna 3.5"	\$ 0.00

General Options:**Speaker Microphone Choices*:**

QA13965AA	ADD: MH-50D7A Public Safety Speaker Microphone	\$ 94.00
QA13966AA	ADD: MH-66A7A Submersible NC Speaker Microphone	\$ 92.00
QA13967AA	ADD: MH-66B7A Submersible Speaker Microphone	\$ 180.00

*Option pricing is the same as stand alone accessory price.

Programming Option:

QA02724AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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Shipping Option:

QA03060AA	ADD: Bulk Packaging	\$ 0.00
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Vertex Standard Portable Accessories

MSRP												
VX-261	VX-264	EVX-261	EVX-S24	VX-450	VX-450IS	VX-820	VX-920	EVX-530	EVX-530 IS	Model Number	Description	MSRP
Alignment / Service Related												
X	X	X								XURFI0001	CN-3 SMA to BNC Adaptor	\$ 16.80
			X							AAF26X002	CT-124B Firmware Cable. Requires FIF-12A.	\$ 60.00
Alkaline Battery Cases												
			X					X		AAH09X001	FBA-41 Alkaline Battery Pack	\$ 44.00
						X	X			AAE11X002	FBA-34 Alkaline Battery Case VX-820/920 series	\$ 45.00
Antennas												
			X	X				X	X	AAH72X001	ATU-16B UHF Antenna 400-420 MHz	\$ 14.00
			X	X				X	X	AAH72X002	ATU-16C UHF Antenna 420-450 MHz	\$ 14.00
			X	X				X	X	AAH72X003	ATU-16D UHF Antenna 450-470 MHz	\$ 14.00
			X	X				X	X	AAH72X004	ATU-16F UHF Antenna 470-512 MHz	\$ 14.00
		X								AAM23X001	ATU-20AS Regular Stubby Antenna 400-430 MHz	\$ 9.00
		X								AAM23X002	ATU-20DS Regular Stubby Antenna 440-470 MHz	\$ 9.00
		X								AAM23X003	ATU-20FS Regular Stubby Antenna 450-480 MHz	\$ 9.00
X	X	X	X					X		XUCET0010	ATU-6A 400-430 MHz / Brown / 6.5" / VX10UA/600/800/900	\$ 14.00
								X		XUCET0011	ATU-6AS Antenna 410-430 MHz / 3.5"	\$ 13.00
		X	X							Q3000216	ATU-6B Antenna 420-450 MHz	\$ 14.00
		X	X							AAE23X002	ATU-6C Antenna 440-470 MHz	\$ 14.00
X	X	X	X			X	X			XUCET0012	ATU-6D 450-485 MHz / Red / 6" / VX-	\$ 14.00
X	X	X	X			X	X			XUCET0013	ATU-6DS Antenna 450-485 MHz / 3.5"	\$ 14.00
X	X	X	X							Q3000203	ATU-6F UHF 490-512 MHz Antenna	\$ 14.00
						X	X			XUCET0033	ATV-10A High Gain Antenna, 145-155MHz (Red) / 10.5"	\$ 16.00
						X	X			XUCET0034	ATV-10B High Gain Antenna, 150-160MHz (Brn) / 10.5"	\$ 16.00
						X	X			XUCET0035	ATV-10C High Gain Antenna, 155-165MHz (Blk) / 10.5"	\$ 16.00
						X	X			XUCET0036	ATV-10E High Gain Antenna, 165-175MHz (Org) / 10.5"	\$ 16.00
			X	X				X	X	AAH73X002	ATV-16A VHF Antenna 136-150 MHz	\$ 14.00
			X	X				X	X	AAH73X003	ATV-16B VHF Antenna 150-162 MHz	\$ 14.00
			X	X				X	X	AAJ10X001	ATU-16BS UHF 400-430 MHz Stubby	\$ 14.00
			X	X				X	X	AAH73X004	ATV-16C VHF Antenna 162-174 MHz	\$ 14.00
			X	X				X	X	AAJ10X002	ATU-16DS UHF 450-490 MHz Stubby	\$ 14.00
			X	X				X	X	AAH73X001	ATV-16XL VHF Untuned Antenna	\$ 14.00
						X				XUCET0019	ATV-6A Antenna 134-151 MHz / 4"	\$ 13.00
X	X					X	X			XUCET0020	ATV-6B Antenna 150-163 MHz / 3.5"	\$ 15.00
X	X					X	X			XUCET0021	ATV-6C Antenna 161-174 MHz / 3.5"	\$ 13.00
X	X	X				X	X			XUCET0022	ATV-6XL Untuned VHF Antenna 7"	\$ 14.00
X	X	X				X	X			XUCET0023	ATV-8A Antenna 134-150 MHz / Sable / 6"	\$ 14.00
X	X	X				X	X			XUCET0024	ATV-8B Antenna 150-163 MHz / Sable / 6"	\$ 14.00
X	X	X				X	X			XUCET0025	ATV-8C Antenna 162-174 MHz / Sable / 6"	\$ 14.00
						X				AAE64X001	ATW-1A Dual-band antenna for multi-band Rx: 134-151MHz / 450-520MHz	\$ 28.00
						X				AAE64X003	ATW-1C Dual-band antenna for multi-band Rx: 161-174MHz / 450-520MHz	\$ 28.00
						X				AAE64X002	ATW-1B Dual-band antenna for multi-band Rx: 150-163MHz / 450-520MHz	\$ 28.00
Batteries												
			X							AAH07X002	FNB-V112LI 7.4V 1140mAh Li-ion Battery Pack (VAC-450 Only)	\$ 48.33
			X							AAH08X002	FNB-V113LI 7.4V 2300 mAh Li-ion Battery Pack (VAC-450 Only)	\$ 78.33
		X								AAM10X001	FNB-V142LI 2300 mAh Li-Ion Battery	\$ 35.00
			X							AAH13X002	FNB-V113LIIS 2300MAH Li-Ion IS Battery	\$ 120.00
X	X	X	X					X		AAJ67X001	FNB-V133LI-UNI 1380 mAh Li-ion Battery (VAC-UNI charger only)	\$ 40.00
X	X	X	X					X		AAJ68X001	FNB-V134LI-UNI 2300 mAh Li-ion Battery (VAC-UNI charger only)	\$ 70.00
						X			X	AAK66X001	FNB-V134LI IS 2300 mAh Li-Ion Battery, Intrinsically Safe (VAC-UNI charger only)	\$ 120.00
						X	X			AAD82X021	FNB-V86LIA 7.4 V 1380mAh Li-ion Battery	\$ 72.33
						X	X			AAD83X021	FNB-V87LIA 7.4V 2300mAh Li-ion Battery	\$ 88.33
						X	X			AAJ61X001	FNB-V127LI-UNI 1380 mAh Li-Ion Battery (VAC-UNI Charger)	\$ 64.00
						X	X			AAJ62X001	FNB-V128LI-UNI 2300 mAh Li-Ion Battery (VAC-UNI Charger)	\$ 80.00
						X	X			AAJ63X001	FNB-V129LI-UNI 3000 mAh Li-Ion Battery (VAC-UNI Charger)	\$ 140.00
						X	X			AAL73X001	FNB-V129LIIS 3000 mAh Li-Ion Battery, Intrinsically Safe (VAC-UNI Charger)	\$ 160.00

Vertex Standard Portable Accessories

Date 11/1/16

MSRP										Model Number	Description	MSRP
VX-261	VX-264	EVX-261	EVX-S24	VX-450	VX-450IS	VX-820	VX-920	EVX-530	EVX-530 IS			
			X							AAE85X001	CLIP17-A Swivel Belt Clip	\$ 16.00
						X				AAE85X002	CLIP17-B Swivel Belt Clip	\$ 16.00
				X						AAM18X001	CLIP-27 Belt Clip	\$ 10.00
X	X	X		X	X			X	X	AAH12X101	CLIP-20 Belt clip VX-450 Series	\$ 10.00
						X				AAE52X001	CLIP-820 Belt Clip for the VX-820 Series (TM)	\$ 10.00
							X			AAE51X001	CLIP-920 Belt Clip for the VX-920 Series (TM)	\$ 10.00
Cases												
			X					X	*	AAJ14X001	LCC-133LN BELT LOOP CASE (FNB-V133LI-UNI) NO DISPLAY	\$ 32.00
			X					X	*	AAJ14X002	LCC-134LN BELT LOOP CASE (FNB-V134LI-UNI) NO DISPLAY	\$ 32.00
				X				X	*	AAJ14X003	LCC-133SN SWIVEL BELT CLIP CASE (FNB-V133LI-UNI) NO DISPLAY	\$ 42.00
				X				X	*	AAJ14X004	LCC-134SN SWIVEL BELT CLIP CASE (FNB-V134LI-UNI) NO DISPLAY	\$ 42.00
			X					X	*	AAJ14X005	LCC-133LD BELT LOOP CASE (FNB-V133LI-UNI) DISPLAY	\$ 32.00
			X					X	*	AAJ14X006	LCC-134LD BELT LOOP CASE (FNB-V134LI-UNI) DISPLAY	\$ 32.00
			X					X	*	AAJ14X007	LCC-133SD SWIVEL BELT CLIP CASE (FNB-V133LI-UNI) DISPLAY	\$ 42.00
			X					X	*	AAJ14X008	LCC-134SD SWIVEL BELT CLIP CASE (FNB-V134LI-UNI) DISPLAY	\$ 42.00
X										AAM03X001	LCC-261 Leather case with belt loop (FNB-V133LI-UNI)	\$ 32.00
X	X									AAM03X011	LCC-261 Leather case with belt loop (FNB-V133LI-UNI)	\$ 32.00
X										AAM03X002	LCC-261H Leather case with belt loop (FNB-V134LI-UNI)	\$ 32.00
X	X									AAM03X012	LCC-261H Leather case with belt loop (FNB-V134LI-UNI)	\$ 32.00
X										AAM03X003	LCC-261S Leather case with swivel belt loop (FNB-V133LI-UNI)	\$ 42.00
X	X									AAM03X013	LCC-261S Leather case with swivel belt loop (FNB-V133LI-UNI)	\$ 42.00
X										AAM03X004	LCC-261SH Leather case with swivel belt loop (FNB-V134LI-UNI)	\$ 42.00
X	X									AAM03X014	LCC-261SH Leather case with swivel belt loop (FNB-V134LI-UNI)	\$ 42.00
X										AAM04X001	LCC-264 Leather case with belt loop (FNB-V133LI-UNI)	\$ 32.00
X										AAM04X002	LCC-264H Leather case with belt loop (FNB-V134LI-UNI)	\$ 32.00
X										AAM04X003	LCC-264S Leather case with swivel belt loop (FNB-V133LI-UNI)	\$ 42.00
X										AAM04X004	LCC-264SH Leather case with swivel belt loop (FNB-V134LI-UNI)	\$ 42.00
					X					XUBEE0048	LCC-820 Leather case with Belt Loop	\$ 32.00
					X					XUBEE0046	LCC-820S Leather Case with Swivel and Belt Loop	\$ 42.00
						X				XUBEE0047	LCC-820S/TT Leather Case w/Swivel, Belt Loop and Keyboard Opening	\$ 42.00
							X			XUBEE0072	LCC-820SH/TT Leather case with D swivel. For use with VX-829/P829 and FNB - V92LI (and IS) battery	\$ 42.00
								X		XUBEE0075	LCC-920H Leather case with belt loop.For use with VX-921/P921 and FNB - V92LI (and IS) battery	\$ 32.00
								X		XUBEE0079	LCC-920H/TT Leather case with belt loop. For use with VX-929/P929 and FNB - V92LI (and IS) battery	\$ 32.00
								X		XUBEE0049	LCC-920S Leather Case with Swivel and Belt Loop	\$ 42.00
								X		XUBEE0050	LCC-920S/TT Leather case w/ Swivel Clip and Keyboard Cut-Out	\$ 42.00
								X		XUBEE0074	LCC-920SH Leather case with D Swivel. For use with VX-921/P921 and FNB - V92LI (and IS) battery	\$ 42.00
								X		XUBEE0078	LCC-920SH/TT Leather case with D swivel. For use with VX-929/P929 and FNB - V92LI (and IS) battery	\$ 42.00
*Leather Case will fit the EVX-530 IS radios, but is NOT an IS approved accessory												

Vertex Standard Portable Accessories

Date 11/1/16

MSRP										Model Number	Description	MSRP
VX-261	VX-264	EVX-261	EVX-S24	VX-450	VX-450IS	VX-920	VX-920	EVX-530	EVX-530 IS			
Charger												
X	X	X		X		X	X	X		XUAAJ72X001	VAC-UNI-B 120V US Universal Charger (For use with -UNI batteries)	\$ 36.00
X	X	X		X		X	X	X		XUAAJ72X002	VAC-UNI-C 220V EU Universal Charger (For use with -UNI batteries)	\$ 36.00
			X							AAM19X001	CD-65 Standard Charging Cradle (Requires PA-57 Micro USB AC Adapter)	\$ 20.00
			X							AAL92X002	PA-57B Micro USB AC Charger (US)	\$ 14.00
			X							AAL92X003	PA-57C Micro USB AC Charger (EU)	\$ 14.00
			X							XUAAH10X10101	VAC-450B 120 VAC (PA45B/CD-49) (FNB-V112LI & FNB-V113LI)	\$ 36.00
			X							XUAAH10X10102	VAC-450C 230 VAC (PA-45C/CD-49) (FNB-V112LI & FNB-V113LI)	\$ 36.00
X	X	X		X		X	X	X		XUAAK44X001	VAC-6058 120V MUC FOR UNI LIION BATTERY	\$ 450.00
			X							XUAAH93X00101	VAC-6450B 120VAC 6 unit Multi Charger	\$ 450.00
			X							XUAAH93X00102	VAC-6450C 240VAC (VAC-6450/AC Cable)	\$ 450.00
					X	X				XUAAE45X00101	VAC-921B 120 VAC Desktop Rapid charger	\$ 72.33
					X	X				AAF15X001	VCM-2 Vehicular Charger Mounting Adapter Kit for VAC-920 & VAC-300	\$ 60.00
			X							AAH92X001	VCM-4 Vehicular Charger Mounting Adapter for VAC-450	\$ 60.00
X	X	X		X		X	X	X		AAK45X001	VCM-5 Vehicle Charger Mounting Adapter – UNI Charger/Batteries Only	\$ 72.00
Headsets and Surveillance												
			X							AAA93X002	VH-110S Over-Head, Heavy Duty Headset	\$ 540.00
					X	X				AAE72X001	VH-111 Heavy Duty, Dual Muff, Over the head style, with Boom Mic	\$ 400.00
		X								AAM21X001	MH-89A4B Earpiece Microphone	\$ 40.00
X	X	X		X	X		X	X		AAL40X001	VH-150A IS Lightweight behind-the-head VOX headset	\$ 70.00
X	X	X		X	X		X	X		AAL41X001	VH-150B IS Lightweight over-the head VOX headset	\$ 80.00
X	X	X		X						AAL82X001	MH-100 3.5MM EARPIECE for RSM Audio Jack	\$ 19.00
X	X	X		X		X				AAL83X001	MH-101A4B 1 Wire Surveillance Kit	\$ 40.00
X	X	X		X						AAL84X001	MH-102A4B 2 Wire Surveillance Kit	\$ 55.00
X	X	X		X		X				AAL85X001	MH-103A4B 3 Wire Surveillance Kit	\$ 70.00
X	X	X		X	X		X	X		AAM02X001	MH-201A4B, Heavy duty headset, Over the Head, IS	\$ 374.00
			X							AAG48X001	VH-115S Lightweight Headset w/ Boom	\$ 55.00
			X							AAA92X002	VH-120S Earpiece Mic w/ Palm PTT	\$ 220.00
			X							AAA91X003	VH-130S Earpiece Mic w/ Palm PTT	\$ 150.00
					X	X				AAG48X003	VH-115L Headset	\$ 98.00
			X							AAG49X001	VH-215S Lightweight Padded Headset, Single Speaker	\$ 121.00
X	X	X		X				X		AAK50X001	MH-37A4B-1 EARPIECE MICROPHONE Single Wire Surveillance Kit	\$ 40.00

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Vertex Standard Portable Accessories

MSRP										Model Number	Description	MSRP
VX-261	VX-264	EVX-261	EVX-524	VX-450	VX-450IS	VX-820	VX-920	EVX-530	EVX-530 IS			
Misc.												
			X	X						AAH99X101	CSS-450 Channel Selector Stopper	\$ 8.00
			X							AAH63X001	DVS-8 Digital Voice Storage Unit	\$ 50.00
			X	X						AAH88X001	DVS-9 Mandown and voice storage	\$ 100.00
Power Supply												
			X							AAH11X002	PA-45B AC Adapter	\$ 16.00
Programming and Installation												
X	X	X	X						X	AAD68X001	CT-106 - FIF-12 to VX-160/180/410/420/450 Cable	\$ 40.00
			X							CB000262A01	Micro USB Programming Cable	\$ 20.83
						X	X			AAD92X001	CT-108 - PC programming cable (for use with the FIF-12 or FIF-12A USB Interface)	\$ 65.00
					X	X				AAE50X001	CT-116 Radio to Radio Programming Cable	\$ 65.00
			X				X			AAH77X001	CT-153 Clone cable	\$ 50.00
				X	X					AAJ09X001	CT-161 PROG CABLE(PORT W/ 14PIN CONN) (USE WITH FRB-6)	\$ 76.00
X	X	X	X						X	XURTS0008	CT-27A Radio to radio cloning cable	\$ 14.00
X	X		X	X	X	X				AAJ06X001	FRB-6 Tuning Interface (Requires Connection Cable)	\$ 340.00
X	X		X							AAJ08X001	CT-160 Connection Cable 4-Pin Mic Jack (Use with FRB-6)	\$ 55.00
X	X	X	X			X	X	X		AAJ23X001	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	\$ 150.00
						X				T9207094	AF TEST ADAPTOR	\$ 50.00
Signaling												
					X	X				AAD51X001	DVS-5 Digital Voice Storage Board (120 sec. max.)	\$ 50.00
					X	X				A12760001	FVP-25 Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000 / VX-5500 / VX-6000)	\$ 60.00
					X	X				AAF39X001	FVP-35 Plug-in Rolling Code Encryption. Requires FIF-7 if installed into the VX-4000 / VX-5500 / VX-6000. Requires VX MPI for programming	\$ 346.00
					X	X				A12760003	FVP-36 Encryption Unit (Band Inversion Type)	\$ 40.00
						X				AAD34U001	SRX-3 D Dual Band Rx module. Adds UHF Rx to VHF radio. 450 MHz ~ 512 MHz	\$ 160.00
						X				AAD34N001	SRX-4 Dual Band Rx module. Adds VHF Rx to UHF radio. 135 MHz ~ 174 MHz	\$ 160.00
					X	X				XUCMR0002	VMDE-200 Board for MDC1200 Encode/Decode	\$ 127.79
					X	X				XUCMR0003	VME-100 Board for MDC1200 Digital ANI	\$ 69.31
Speaker Microphones												
X	X	X	X						X	AAF52X001	MH-360S Compact Speaker Microphone for VX-210A, VX-160, VX-180 & VX-450. Very similar to the MH-34D4B.	\$ 21.00
X	X	X	X						X	AAF53X001	MH-450S Medium-Duty Speaker Microphone w/ Lapel Clip and 3.5mm Ear Phone Jack	\$ 26.67
X	X		X							A13960007	MH-45B4B Noise Cancelling Speaker Microphone	\$ 82.00
					X	X				AAA75X004	MH-50D7A Public Safety Speaker Microphone w/toggle, MIL-STD Rated	\$ 94.00
					X	X				AAE46X001	MH-66A7A Submersible Noise Canceling Speaker Microphone	\$ 92.00
X	X	X	X	X				X	X	AAE46X007	MH-66A4B IP57 Submersible Speaker Microphone	\$ 92.00
					X	X				AAE46X002	MH-66B7A Submersible Speaker Microphone with 2 Programmable Function keys and Audio Attenuator Switch.	\$ 180.00

VX-420A Series

Trunking Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

VX-420A trunking portable models packages can include:

FNB-V94 - 7.2 V 1800 mAh NiMH Battery

VAC-20B - 120 VAC 3 - Hour Desktop Charger

Antenna Option

Standard 3 Year Warranty



VX-420A (4key) VX-420A (16key)

Radio Features:

- 250 Conventional Ch./32 LTR System/Groups/16 Passport Zones
- 8 Character Alphanumeric Display
- 7 Programmable Function Buttons
- Intrinsically Safe Option Available
- 12.5/25 kHz Switchable Channel Spacing
- 2 Programmable Buttons
- CTCSS/DCS Encode and Decode
- DTMF ANI /Optional DTMF Paging (with FVP-25)
- Audio Componder
- 2-Tone Encode & Dual 2-Tone Decode
- Multi-Mode Scanning (Inc. Priority, Dual Watch, Follow-Me)
- *ARTS™ (Auto-Range Transpond System) *Conv. Mode Only
- BCLO, BTLO and TOT Functions
- Built In Voice Inversion Encryption
- Emergency Function
- Radio to Radio Cloning

PassPort Mode Only Radio Features:

- Remote Stun, Kill, Revive
- Selective Calling
- PassPort Classic format by Trident Micro Systems

VX-420A Series Radio Cancellation
 Effective upon depletion of inventory, VX-420A Series radios will no longer be available for purchase. For additional details, refer to VSOL > Resource Center > Product Information > Cancellations

Recommended Accessories:

Speaker Microphones

MH-450S Standard Speaker Microphone

Carry Case

LCC-420S Leather Case with Swivel

Headsets and Surveillance

VH115S Lightweight Headset with Boom Mic

Multi-Unit Charger

VAC-6800B 6 Unit Rapid Charger (Li-Ion only)

Spare Battery

PRODUCT DETAILS		NEW MODEL		PREVIOUS MODEL		MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VX-424A Radio Models						
134-174 MHz	VHF	1-5W	250	AC071N102-VX	VX-424A(4Key)	\$ 407.00
134-174 MHz	VHF	1-5W	250	AC071N101-VX	VX-424A(16Key)	\$ 427.00

FCC INFORMATION: K8610503220 (134-174 MHz) / K8610504420 (450-512 MHz)

Date 11/1/16
MSRP

VX-420A Series
Trunking Portables
UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Battery Choices:

QA02473AA ADD: FNB-V94 1800 mAh NiMH Battery \$ 0.00

Charger Choices:

QA02476AA ADD: VAC-20B 120V 3 Hour Desktop Charger \$ 0.00

QA02650AA ADD: VAC-20C 240V 3 Hour Desktop Charger \$ 0.00

QA02477AA ADD: VAC-810B Rapid Rate Charger \$ 22.00
(Only for use with Li-Ion Batteries)

QA02477AA ADD: VAC-810C 240V Rapid Rate Charger \$ 22.00
(Only for use with Li-Ion Batteries)

QA02608AA DELETE: Charger \$ (38.00)

Antenna Choices:

QA02616AA ADD: ATV-8A 134-150 MHz Antenna \$ 0.00

QA02458AA ADD: ATV-8B 150-162 MHz Antenna 6" \$ 0.00

QA03017AA ADD: ATV-6B 150-162 MHz Antenna 3.5" **Reduced Range Performance** \$ 0.00

QA02457AA ADD: ATV-8C 162-174 MHz Antenna 6" \$ 0.00

QA03016AA ADD: ATV-6C 162-174 MHz Antenna 3.5" **Reduced Range Performance** \$ 0.00

QA02684AA ADD: ATV-6XL VHF Untuned Antenna \$ 0.00

QA02624AA ADD: ATU-6D 450-485 MHz Antenna 6" \$ 0.00

QA02615AA ADD: ATU-6DS 450-485 MHz Antenna 3.5" \$ 0.00

General Options:

Programming Option:

QA02501AA ADD: Passport Trunking \$ 0.00

QA02724AA ADD: Customer Codeplug Factory Programming \$ 50.00

Shipping Option:

QA03060AA ADD: Bulk Packaging \$ 0.00

VX-2100 Series

Mobiles

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

VX-2100 mobile models include:
MH-67A8J - Standard Microphone
Standard 3 Year Warranty



VX-2100

Radio Features:

- 8 Channels
- 50W or 25W Power Output
- 12.5/25 kHz Switchable Channel Spacing
- 6 Programmable/Replaceable Buttons
- Loud Front Speaker Audio
- CTCSS/DCS Encode and Decode
- DTMF ANI
- 2-Tone Encode/Decode
- Built-In 5 Tone Signaling
- Emergency Feature
- ARTS™ (Auto-Range Transpond System)
- DTMF Paging (Option)
- Encryption (Voice inversion/Rolling Code) OPTION
- MIL-STD 810 C/D/E/F
- D-SUB 15 pin Accessory Connector
- Multi-Mode Scanning (Incl. Dual Watch, Priority, Follow-Me)

Recommended Accessories:

- Microphone**
MD-12A8J Desktop Microphone
- External Speaker**
MLS-100 12W External Speaker
MLS-200 Waterproof External Speaker (12 Watt Peak)

PRODUCT DETAILS	NEW MODEL	PREVIOUS MODEL	MSRP
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BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VX-2100 Series Radio Models						
134-174 MHz	VHF	25W	8	AC061N133-VX	VX-2100-D0-25	\$ 330.00
134-174 MHz	VHF	50W	8	AC061N131-VX	VX-2100-D0-50	\$ 345.00
400-470 MHz	UHF	25W	8	AC061U137-VX	VX-2100-G6-25	\$ 350.00
400-470 MHz	UHF	45W	8	AC061U135-VX	VX-2100-G6-45	\$ 380.00
450-512 MHz	UHF	25W	8	AC061U133-VX	VX-2100-G7-25	\$ 350.00
450-512 MHz	UHF	45W	8	AC061U131-VX	VX-2100-G7-45	\$ 380.00

FCC INFORMATION: K66110613040 (134-174 MHz) / K6610614640 (403-470 MHz - 25W) / K6610614640 (403-470 MHz 45W) / K6610614730 (450-512 MHz 25W) / K6610614740 (450-512 MHz 45W)

VX-2100 Series

Mobiles

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Microphone Choices:

QA02627AA	ADD: MH-67A8J Microphone	\$ 0.00
QA02626AA	ADD: MH-75A8J DTMF Microphone	\$ 15.00

General Options:

Programming Option:

QA02723AA	ADD: Customer Codeplug Factory Programming	\$ 0.00
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VX-2200 Series

Mobiles

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

VX-2200 mobile models include:
MH-67A8J - Standard Microphone
Standard 3 Year Warranty



VX-2200

Radio Features:

- 128 Channels
- 50W or 25W Power Output
- 12.5/25 kHz Switchable Channel Spacing
- 6 Programmable/Replaceable Buttons
- Loud Front Speaker Audio
- CTCSS/DCS Encode and Decode
- DTMF ANI
- 2-Tone Encode/Decode
- Built-In 5 Tone Signaling
- Emergency Feature
- ARTS™ (Auto-Range Transpond System)
- DTMF Paging (Option)
- Encryption (Voice inversion/Rolling Code) OPTION
- MDC-1200®/GE-STAR® ANI Encode OPTION
- MIL-STD 810 C/D/E/F
- D-SUB 15 pin Accessory Connector
- Multi-Mode Scanning (Incl. Dual Watch, Priority, Follow-Me)

Recommended Accessories:

Microphone

MD-12A8J Desktop Microphone

External Speaker

MLS-100 12W External Speaker

MLS-200 Waterproof External Speaker (12 Watt Peak)

PRODUCT DETAILS				NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VX-2200 Series Radio Models						
134-174 MHz	VHF	25W	128	AC061N134-VX	VX-2200-D0-25	\$370.00
134-174 MHz	VHF	50W	128	AC061N132-VX	VX-2200-D0-50	\$395.00
400-470 MHz	UHF	25W	128	AC061U138-VX	VX-2200-G6-25	\$390.00
400-470 MHz	UHF	45W	128	AC061U136-VX	VX-2200-G6-45	\$420.00
450-512 MHz	UHF	25W	128	AC061U134-VX	VX-2200-G7-25	\$390.00
450-512 MHz	UHF	45W	128	AC061U132-VX	VX-2200-G7-45	\$420.00

FCC INFORMATION: K66110613040 (134-174 MHz) / K6610614640 (403-470 MHz - 25W) / K6610614640 (403-470 MHz 45W) / K6610614730 (450-512 MHz 25W) / K6610614740 (450-512 MHz 45W)

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MSRP

VX-2200 Series

Mobiles

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Microphone Choices:

QA02627AA	ADD: MH-67A8J Microphone	\$ 0.00
QA02626AA	ADD: MH-75A8J DTMF Microphone	\$ 15.00

General Options:

Programming Option:

QA02723AA	ADD: Customer Codeplug Factory Programming	\$50.00
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VX-4500/4600 Series

Mobiles

UHF/VHF Models, 12.5 kHz/ 20 kHz / 25 kHz Analog

VX-4500/4600 mobile models include:
MH-67A8J Standard Microphone
Standard 3 Year Warranty



VX-4500



VX-4600

Radio Features:

- 512 Channels/32 Groups (VX-4600), 8 Channels (VX-4500)
- 6 Programmable Keys
- 8 Character alphanumeric display (VX-4600)
- RSSI signal strength indicator (VX-4600)
- Embedded MDC-1200 Encode and Decode
- Channel Announcement
- VOX Built-in
- Speed Dial (VX-4600)
- CTCSS / DCS Encode and Decode
- BCLO / BTLO and TOT Functions
- Compander
- Direct Channel entry (VX-4600)
- Minimum volume control
- Talk around
- Priority scan
- Dual priority scan
- Dual watch scan
- Follow-me scan
- Talk around scan
- Talk back scan
- Operator selectable scan
- Group scan
- Manual squelch control
- D-sub 15 pin accessory connector
- Public address / horn alert
- Radio to Radio Cloning
- Clone Programming files from VX-450 to VX-4500/4600
- MIL -STD 810 C/D/E/F/G

Recommended Accessories:

Microphone:

- MH-67A8J: Standard microphone
- MH-75A8J: Keypad microphone (16 keys)
- MD-12A8J: Desktop microphone

External Speaker:

- MLS-100: External speaker, square, 12W
- MLS-200 Waterproof External Speaker (12 Watt Peak)

Additional:

- LF-6: DC Line Filter

Option Boards:

- DVS-8: Digital voice storage

PRODUCT DETAILS	NEW MODEL	PREVIOUS MODEL	MSRP
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BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	
VX-4500 Radio Models					
134-174 MHz	VHF	50W	8	AC093N101-VX	VX-4500-D0-50
400-470 MHz	UHF	45W	8	AC093U105-VX	VX-4500-G6-45
450-512 MHz	UHF	45W	8	AC093U101-VX	VX-4500-G7-45
VX-4600 Radio Models					
134-174 MHz	VHF	50W	512	AC093N102-VX	VX-4600-D0-50
400-470 MHz	UHF	45W	512	AC093U106-VX	VX-4600-G6-45
450-512 MHz	UHF	45W	512	AC093U102-VX	VX-4600-G7-45

FCC INFORMATION: K6610933040 (134-174 MHz) / K6610934640 (403-470 MHz) / K6610934740 (450-512 MHz)

VX-4500/4600 Series
Mobiles
UHF/VHF Models, 12.5 kHz / 20 kHz / 25 kHz Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Microphone Choices:

QA02627AA	ADD: MH-67A8J Microphone	\$ 0.00
QA02626AA	ADD: MH-75A8J DTMF Microphone	\$ 15.00

LTR Option:

QA03067AA	ADD: LTR TRUNKING	\$ 50.00
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General Options:

Programming Option:

QA02723AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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EVX-5300/5400 Series

Mobiles

UHF/VHF Models, 12.5 kHz/ 20 kHz / 25 kHz Digital/Analog

EVX-5300/5400 mobile models include:

- MH-67A8J Standard Microphone
- Standard 3 Year Warranty



EVX-5300

EVX-5400

Radio Features:

- 8 Channels/1 Group
- 6 Programmable Keys
- Voice Compander
- Programmable Tri-Color LED
- Minimum Volume Control
- Public Address/Horn Alert
- D-Sub 15-pin accessory connector
- Radio to radio cloning

Digital & Analog Features:

- Mixed Mode Scan
- Emergency Alert
- Lone Worker
- Priority Scan
- Follow Me Scan/Dual Watch
- Remote stun/kill/revive
- Channel Announcement

Digital Only Features:

- All call, Group Call, Individual Call
- Escalart
- Remote Monitor
- PTT ID Encode
- Remote Monitor

Analog Only Features:

- CTCSS/DCS Encode/Decode
- MDC-1200 Encode/Decode
- 2-Tone Encode/Decode
- 5-Tone Encode/Decode
- DTMF Speed Dial
- DTMF Paging

Recommended Accessories:

Microphone:

- MH-67A8J: Standard microphone
- MH-75A8J: Keypad microphone (16 keys)
- MD-12A8J: Desktop microphone

External Speaker:

- MLS-100: External speaker, square, 12W



EVX-Link Order Information:

When selecting the EVX-Link configuration option as part of the mobile radio purchase, it is recommended that the radio be purchased with the newly available Delete Microphone options, QA02678AA, as part of the package. Please note the microphone is not functional in the EVX-Link configuration.

Also please note, the EVX-5400 mobile display is not active when used as the EVX-Link interface. No additional information (PTT-ID or otherwise) will appear on the display when used with EVX-Link. Please consider customer requirements when selecting a mobile companion for the EVX-Link.

PRODUCT DETAILS	NEW MODEL	PREVIOUS MODEL	MSRP
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BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
EVX-5300 25W Radio Models						
136-174 MHz	VHF	25W	8	AC114N002-VX	EVX-5300-D0-25 VHF 136-174 MHz	\$555.00
403-470 MHz	UHF	25W	8	AC114U004-VX	EVX-5300-G6-25 UHF 403-470 MHz	\$555.00
450-512 MHz	UHF	25W	8	AC114U003-VX	EVX-5300-G7-25 UHF 450-512 MHz	\$555.00
EVX-5300 45/50W Radio Models						
136-174 MHz	VHF	50W	8	AC114N001-VX	EVX-5300-D0-50 VHF 136-174 MHz	\$585.00
403-470 MHz	UHF	45W	8	AC114U002-VX	EVX-5300-G6-45 UHF 403-470 MHz	\$585.00
450-512 MHz	UHF	45W	8	AC114U001-VX	EVX-5300-G7-45 UHF 450-512 MHz	\$585.00
EVX-5400 25W Radio Models						
136-174 MHz	VHF	25W	512	AC114N004-VX	EVX-5400-D0-25 VHF 136-174 MHz	\$605.00
403-470 MHz	UHF	25W	512	AC114U008-VX	EVX-5400-G6-25 UHF 403-470 MHz	\$605.00
450-512 MHz	UHF	25W	512	AC114U007-VX	EVX-5400-G7-25 UHF 450-512 MHz	\$605.00
EVX-5400 45/50W Radio Models						
136-174 MHz	VHF	50W	512	AC114N003-VX	EVX-5400-D0-50 VHF 136-174 MHz	\$635.00
403-470 MHz	UHF	45W	512	AC114U006-VX	EVX-5400-G6-45 UHF 403-470 MHz	\$635.00
450-512 MHz	UHF	45W	512	AC114U005-VX	EVX-5400-G7-45 UHF 450-512 MHz	\$635.00

FCC INFORMATION: AXI11143040 (134-174 MHz) / AXI11144640 (403-470 MHz) / AXI11144740 (450-512 MHz)

IC INFORMATION: 10239A-11143040 (134-174 MHz) / 10239A-11144640 (403-470 MHz) / 10239A-11144740 (450-512 MHz)

EVX-5300/5400 Series

Mobiles

UHF/VHF Models, 12.5 kHz/ 20 kHz / 25 kHz Digital/Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Microphone Choices:

QA02627AA	ADD: MH-67A8J Microphone	\$ 0.00
QA02626AA	ADD: MH-75A8J DTMF Microphone	\$ 15.00
QA02678AA	DEL: Microphone	\$ (40.00)

General Options:

EVX-LINK Configuration:

QA05739AA	ADD: EVX-LINK Configuration	\$ 833.33
	Includes:	
	EVX-Link Box (EVX Mobile to EVX-Link Interface cable)	
	SEC-1223 Mobile Power Supply	
	EVX Mobile / EVX-Link Interface Firmware	

Reminder:
It is recommended to select the Delete Mic option QA02678AA when purchasing the EVX-Link Option.

Programming Option:

QA02723AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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VX-5500 Series

Mobiles

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

VX-5500 mobile models include:
MH-53C7A Heavy Duty Microphone
Standard 3 Year Warranty



VX-5500

Radio Features:

- 250 Channels
- Large 8-Digit Alphanumeric Display
- 7 Programmable Backlit Keys
- Dual Band Capability
- One RF Deck to Multi Head Capable
- User Selectable Tones/Codes
- CTCSS/DCS Encode and Decode
- DTMF Signaling & Dialing Features
- Status quick check
- Emergency Functions
- Audio Compander
- Dual Watch Scan
- Group Scan & Priority Scan
- Optional Rolling Code Encryption (w/FVP-25)
- BCLO, BTLO and TOT Functions
- Radio to Radio Cloning
- D-sub 25 pin accessory connector
- MIL-STD 810 C/D/E

Recommended Accessories:

Microphone

- MH-53A7A Noise Canceling Microphone
- MH-53B7A Noise Canceling Microphone with DTMF Keypad
- MH-53A8A Heavy Duty Weatherproof Noise Canceling DTMF Mic
- MH-53C7A Heavy Duty Microphone
- MD-12A7A Desktop Microphone
- MD-12A8J Desktop Microphone with multi pin plug

External Speaker

- MLS-100 12W External Speaker
- MLS-200 Waterproof External Speaker (12 Watt Peak)

Control Heads

- CNT-5000 Compact Motorcycle Control Head
- CNT-6000 Multi Control Head Configurations (req. T9206958A)

Power Supply

- SEC-1223 Desktop Switching Power Supply

PRODUCT DETAILS				NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VX-5500 Dash Mount Models						
29.7-37 MHz	Low Band	70W	250	AC034L007-VX	VX-5500LA	\$ 922.50
37-50 MHz	Low Band	70W	250	AC034L005-VX	VX-5500LB	\$ 922.50
148-174 MHz	VHF	50W	250	AC034N005-VX	VX-5500VC	\$ 922.50
450-490 MHz	UHF	50W	250	AC034U005-VX	VX-5500UD	\$ 945.00
VX-5500 Dual Band Model						
148-174/450-490 MHz	VHF/UHF	50W	250	AC034N005-VXDB	VX-5500 Dual Band	\$ 2,152.31
VX-5500 Remote Mount Models						
29.7-37 MHz	Low Band	70W	250	AC034L007-VXRM	VX-5500LA Remote Mount	\$ 1,336.95
37-50 MHz	Low Band	70W	250	AC034L005-VXRM	VX-5500LB Remote Mount	\$ 1,336.95
148-174 MHz	VHF	50W	250	AC034N005-VXRM	VX-5500VC Remote Mount	\$ 1,336.95
450-490 MHz	UHF	50W	250	AC034U005-VXRM	VX-5500UD Remote Mount	\$ 1,359.45

FCC INFORMATION: K66VX-5500L (29.7-50 MHz) / K66VX-5500V (148-174 MHz) / K66VX-5500U (450-490 MHz)

VX-5500 Series

Mobiles

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER Model

Microphone Choices:

QA02625AA	ADD: MH-53C7A Microphone	\$ 0.00
QA02649AA	ADD: MH-53B7A DTMF Microphone	\$ 58.00
QA02648AA	ADD: MH-53A7A Noise Cancelling Microphone	\$ 44.00

Remote Mount Choices (For Remote Mount Models)

QA02666AA	ADD: Single Deck / Single Head (includes: (1) MH-53C7A microphone, (1) 6M remote mount cable, (1) RMK-4000H remote mount control head cover, (1) RMK-4000B RF deck cover)	\$ 0.00
QA02665AA	ADD: Single Deck / Dual Heads (includes: (2) MH-53C7A microphones, (2) RMK-4000H remote mount control head covers, (1) RMK-4000B RF deck cover, (2) 6M remote mount cables, (1) CNT-6000 control head, (2) interconnection cables)	\$ 456.55

Remote Head Choices (for Dual Band Model)

QA02662AA	ADD: Dual Decks / Single Head (includes: (1) MH-53C7A microphone, (1) RMK-4000H remote mount control head cover, (2) RMK-4000B RF deck covers, (1) 6M remote mount cable, (1) 0.6M remote mount cable, (1) RF Deck)	\$ 0.00
QA02663AA	ADD: Dual Decks / Dual Heads (includes: (2) MH-53C7A microphones, (2) RMK-4000H remote mount control head covers, (2) RMK-4000B RF deck covers, (2) 6M remote mount cables, (1) 0.6M remote mount cable, VHF/UHF heads)	\$ 473.00

General Options:

Programming Option:

QA02723AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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VX-6000 Series

Mobiles

High Power LB / UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

VX-6000 mobile models include:
MH-53C7A Heavy Duty Microphone
Standard 3 Year Warranty



VX-6000

Radio Features:

- 250 Channels
- Power Output: 120W Low Band
- 110W VHF, 100W UHF
- Large 8-Digit Alphanumeric Display
- 7 Programmable Backlit Keys
- Dual Band Capability
- One RF Deck to Multi-Head Capable
- Status quick check
- Emergency Functions
- Priority and Group Scan
- Dual Watch Scan
- Audio Compressor
- CTCSS/DCS Encode and Decode
- DTMF Signaling and Dialing Features
- Radio to Radio Cloning
- D-sub 25 pin accessory connector
- Optional Rolling Code Encryption (w/FVP-25)
- BCLO, BTLO and TOT Functions
- Loud 5W/10W Audio Output
- MIL-STD 810 C/D/E

Recommended Accessories:

- Microphone**
- MH-53A7A Noise Canceling Microphone
 - MH-53B7A Noise Canceling Microphone with DTMF Keypad
 - MH-53A8A Heavy Duty Weatherproof Noise Canceling DTMF Mic
 - MH-53C7A Heavy Duty Microphone
 - MD-12A7A Desktop Microphone
 - MD-12A8J Desktop Microphone with multi pin plug
- External Speaker**
- MLS-100 12W External Speaker
 - MLS-200 Waterproof External Speaker (12 Watt Peak)
- Control Heads**
- CNT-6000 Multi Control Head Configurations (req. T9206958A)
- Power Supply**
- FP-1030A External Power Supply

PRODUCT DETAILS				NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VX-6000 Dash Mount Models						
37-50 MHz	Low Band	120W	250	AC024L005-VX	VX-6000LB	\$ 1,380.00
148-174 MHz	VHF	110W	250	AC024N005-VX	VX-6000VC	\$ 1,523.75
450-490 MHz	UHF	100W	250	AC024U005-VX	VX-6000UD	\$ 1,581.25
VX-6000 Dual Band Model						
148-174/450-490 MHz	VHF/UHF	110W	250	AC024N005-VXDB	VX-6000 Dual Band	\$ 3,347.65
VX-6000 Remote Control Head Models						
37-50 MHz	Low Band	120W	250	AC024L005-VXRM	VX-6000LB Remote Mount	\$ 1,628.40
148-174 MHz	VHF	110W	250	AC024N005-VXRM	VX-6000VC Remote Mount	\$ 1,876.80
450-490 MHz	UHF	100W	250	AC024U005-VXRM	VX-6000UD Remote Mount	\$ 1,934.30

VX-6000 Series
Mobiles
 High Power LB / UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Microphone Choices (For Dash Mount Models)

QA02625AA	ADD: MH-53C7A Microphone	\$ 0.00
QA02649AA	ADD: MH-53B7A DTMF Microphone	\$ 58.00
QA02648AA	ADD: MH-53A7A Noise Cancelling Microphone	\$ 44.00

Remote Mount Choices (For Remote Mount Models)

QA02661AA	ADD: Single Deck / Single Head (includes: (1) MH-53C7A microphone, (1) 6M remote mount cable, (1) RMK-4000H remote mount control head cover, (1) RMK-4000B RF deck cover)	\$ 0.00
QA02664AA	ADD: Single Deck / Dual Heads (includes: (2) MH-53C7A microphones, (2) RMK-4000H remote mount control head covers, (1) RMK-4000B RF deck cover, (2) 6M remote mount cables, (1) CNT-6000 control head, (2) interconnection cables)	\$ 476.55

Remote Head Choices (for Dual Band Model)

QA02667AA	ADD: Dual Decks / Single Head (includes: (1) MH-53C7A microphone, (1) RMK-4000H remote mount control head cover, (2) RMK-4000B RF deck covers, (1) 6M remote mount cable, (1) 0.6M remote mount cable, (1) RF Deck)	\$ 0.00
QA02668AA	ADD: Dual Decks / Dual Heads (includes: (2) MH-53C7A microphones, (2) RMK-4000H remote mount control head covers, (2) RMK-4000B RF deck covers, (2) 6M remote mount cables, (1) 0.6M remote mount cable, VHF/UHF heads)	\$ 473.00

General Options:

Programming Option:

QA02723AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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VXD-7200 Series

Mobiles

UHF / VHF Models, 12.5 kHz / 6.25 kHz^o, Analog/Digital

VXD-7200 mobile models include:

MH-67A8J Standard Microphone

MMB-93 Low Profile Mounting Kit

E-DC-27

Standard 3 Year Warranty



VXD-7200

Radio Features:

- 512 Channels
- 4 Programmable Front Panel Keys
- 40 Character Scrolling Alphanumeric Display
- Multi-Color LED Custom Call Alert
- 26 Pin Accessory Connector
- Basic Privacy (Digital Mode)
- Digital Encode/Decode: Call Alert, Private Call, Emergency
- Selective Radio Inhibit, radio check and remote monitor
- MDC-1200[®] analog encode/decode: call alert, emergency and PTT ID
- 2-Tone Analog paging, call alert, call alert w/voice, Select Call
- High Power and Low Power Versions Available

VXD-7200 Series Radio Cancellation
 Effective December 31, 2014 or upon depletion of inventory, VXD-7200 Series radios will no longer be available for purchase. For additional details, refer to [VSOL > Resource Center > Product Information > Cancellations](#)

PRODUCT DETAILS	NEW MODEL	PREVIOUS MODEL	MSRP
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BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		MSRP
VXD-7200 Series Radio Models						
403-470	UHF	25W	512	AC101U001-VX	VXD-7200-G6-25 403-470 25W	\$ 720.00
450-512	UHF	40W	512	AC101U004-VX	VXD-7200-G7-40 450-512 40W	\$ 750.00

FCC INFORMATION: K6611013030 (134-174 MHz- 25W) / K6611013040 (134-174 MHz - 45W) / K6611014630 (403-470 MHz 25W) / K6611014640 (403-470 MHz 40W) / K6611014740 (450-512 MHz 45W)

VXD-7200 Series

Mobiles

UHF / VHF Models, 12.5 kHz / 6.25 kHz^o, Analog/Digital

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Microphone Choices:

QA02737AA	ADD: MH-67A8J STD. MIC	\$ 0.00
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Mounting Bracket Choices:

QA02739AA	ADD: MMB-93 Low Profile Trunion Kit	\$ 0.00
QA02740AA	ADD:MMB-94 High Profile Trunion Kit	\$ 5.83
QA02741AA	ADD: MMB-95 Key Lock Trunion Kit	\$ 122.50
QA02820AA	ADD: MMB-96 In Dash Mounting Kit	\$ 15.83

Power Cable Choices:

QA02822AA	ADD: E-DC-27 10 ft, 15 amp Cable	\$ 0.00
QA02824AA	ADD: E-DC-28 20 ft, 20 amp Cable	\$ 21.67

General Options:

Programming Option:

QA02723AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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Vertex Standard Mobile Accessories

Date 11/1/16

MSRP

VX-2100	VX-2200	VX-4500/4600	VX-5500	VX-6000	EVX-5300/5400	VXD-7200	Model Number	Description	MSRP
Alignment / Service Related									
			X	X			AAC54X001	CT-88 The CT-88 cable is used in conjunction with the FIF-8 box to make adjustments to the alignment. This is for the VX-4000/VX-5500/VX-6000 mobiles. The CT-88 connects from the DB25 accessory port of the mobile, to the FIF-8 box interfaced to your PC.	\$ 55.00
Control Heads									
			X				AAD37X001	CNT-5000 Compact motorcycle control head for VX-4000 & VX-5500s. Includes CNT-5000 control head, mounting bracket (RA0555300), screw kit (U9900163 qty 2), holder (RA0555400 qty 2) & connection cable (T9207073). External microphone (MH-53A8A) & external speaker (MLS-100 or MLS-200) sold separately	\$ 499.00
			X	X			AAC98X001	CNT-6000 Control Head for multi-head configurations. Requires T9206958A for dual head remotes.	\$ 175.00
Cover Plates									
		X	X				AAB27X012	Cover plate for the RF Deck in Remote Applications (RMK-4000B)	\$ 65.00
		X	X				AAB27X011	Cover plate for the Control Head (Includes mounting bracket and hardware) (RMK-4000H)	\$ 105.00
		X	X				AAD58X001	Dedicated Motorcycle Control Head. Built for ease of use and all weather operation (RMK-5000B)	\$ 179.00
DC Cables									
		X	X				XUVTN0001	CT-96PS Ignition Sense Cable for the VX-4000, VX-5500 & VX-6000 mobiles	\$ 18.33
		X					AAE06X001	E-DC-22 30 ft DC cable for VX-4000/5500 mobiles	\$ 80.00
			X				AAE07X001	E-DC-23 30 ft DC cable for VX-6000 mobiles	\$ 160.00
DC Noise Filter									
X	X		X				A09120001	LF-1 Plug-In Line Filter	\$ 35.00
		X			X		AAH67X001	LF-6 DC Line Filter	\$ 35.00
Microphones									
X	X	X			X	X	AAF13X001	MD-12A8J Desktop Microphone	\$ 102.00
		X	X				AAF13X003	MD-12A7A Desktop Microphone	\$ 102.00
		X	X				AAB02X004	MH-53A7A Noise-Canceling Microphone	\$ 103.00
			X	X			AAB02X007	MH-53A8A Heavy Duty Weatherproof Noise Canceling DTMF Microphone (for use with CNT-5000)	\$ 149.00
			X	X			AAB02X006	MH-53C7A Heavy Duty Microphone	\$ 105.00
X	X	X			X	X	AAE60X102	MH-67A8J Standard Microphone	\$ 40.00
X	X	X			X		AAG22X101	MH-75A8J DTMF Microphone, 16 Key, Black	\$ 55.00
Misc.									
	X						AAH63X001	DVS-8 Digital Voice Storage Unit	\$ 50.00
Mounting Brackets									
		X					AAB26X001	MMB-75 Mobile Mounting Bracket (Supplied w/radio)	\$ 25.00
		X					AAB72X001	MMB-76 Locking Mobile Mounting Bracket	\$ 75.00
			X				AAB98X001	MMB-77 Locking Mobile Mounting Bracket for the VX-6000	\$ 95.00
			X				AAC97X001	MMB-79 Mobile Mounting Bracket (Supplied w/radio VX-6000)	\$ 30.00
			X	X			AAD62X001	MMB-88 This is a mounting bracket, which is a base plate for the CNT-5000 and MLS-200. The MMB-88 mounts to a motorcycle. The CNT-5000 and MLS-200 then mount to the MMB-88, side by side.	\$ 79.00

Vertex Standard Mobile Accessories

Date 11/1/16

MSRP

VX-2100	VX-2200	VX-4500/4600	VX-5500	VX-6000	EVX-5300/5400	VXD-7200	Model Number	Description	MSRP
Power Supplies									
X	X	X	X	X			XUSLX0001A	SEC-1223 Desktop Switching Power Supply 120 VAC	\$ 216.88
				X			A12510002	FP-1030A External Power Supply	\$ 345.22
Programming and Installation									
X	X	X				X	AAD66X002	CT-104A Interface Cable for FIF-12A	\$ 40.00
			X	X			AAD67X001	CT-105 FIF-12 interface cable to connect: VX-530/600/800/900 Portables also VX-5500/VX-6000 Mobiles.	\$ 60.00
X	X	X				X	T9101411	CT-4 Programming Cable - Radio to Radio Cloning	\$ 27.61
			X	X			AAA26X001	CT-72 Cloning Cable (Set-to-Set Clone)	\$ 68.00
X	X	X	X	X	X		AAJ23X001	FIF-12 USB Interface for PC programming. Check specific models for	\$ 150.00
X	X	X	X	X			A06420002	VX VPL-1 Programming cable from PC. Check specific models for additional	\$ 87.00
			X	X			T9101628	SVC-49 Alignment Cable for FIF-12	\$ 30.81
			X	X			L9190148	Ferrite Snap-on Bead for control cable	\$ 5.31
			X	X			L9190128	Ferrite Snap-on Bead for microphone cable	\$ 2.84
X	X	X					AAJ06X001	FRB-6 Tuning Interface (Requires Connection Cable)	\$ 340.00
X	X	X					AAJ07X001	CT-159 Connection Cable (Requires FRB-6)	\$ 58.34
			X	X			AAC49X002	FIF-7A Interface Board (for VX-4000 / 5500 / 6000 with FVP-25, FVP-35,	\$ 37.00
Remote Cables									
		X		X			AAJ01X001	CT-156 Remote Mount Cable (3M)	\$ 80.00
		X		X			AAJ02X001	CT-157 Remote Mount Cable (5M)	\$ 85.00
		X		X			AAJ03X001	CT-158 Remote Mount Cable (7M)	\$ 95.00
			X	X			AAC04X001	CT-81 Remote Cable for RMK-4000 series (20 ft) (RF Deck to Control Head)	\$ 90.00
			X	X			AAC05X001	CT-82 Remote Cable for RMK-4000 series (8 ft) (RF Deck to Control Head)	\$ 80.00
			X	X			AAC06X001	CT-83 Remote Cable for RMK-4000 series (2 ft) (RF Deck to RF Deck)	\$ 70.00
			X	X			AAD07X001	CT-93 Remote Cable for RMK-4000 series (30 ft) (RF Deck to Control Head)	\$ 96.34
			X				AAH66X101	RMK-4600 Remote mount kit	\$ 65.00
			X		X		AAH66X102	RMK-5400 Remote mount kit	\$ 65.00
Speaker									
X	X	X	X	X	X		A09260003	MLS-100 External Speaker (12 Watt Peak)	\$ 62.00
X	X	X	X	X			AAD49X001	MLS-200 Waterproof External Speaker (12 Watt Peak)	\$ 80.00
Signaling									
X	X		X	X			A12760001	FVP-25 Encryption Unit (Band Inversion Type) and DTMF Paging. (requires	\$ 60.00
X	X		X	X			AAF39X001	FVP-35 Plug-in Rolling Code Encryption. Requires FIF-7 if installed into the	\$ 346.00
X	X		X	X			XUCMR0003	VME-100 Board for MDC1200 Digital ANI (FIF-7 also required when being installed in VX-5500/6000)	\$ 69.31
			X	X	X		A12760003	FVP-36 INVERSION SCRAMBLING UNIT	\$ 40.00

VX-2200 Trunking Series

Trunking Mobiles

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

VX-2200 trunking mobile models include:

MH-67A8J - Standard Microphone

Standard 3 Year Warranty



VX-2200 LTR/Passport

Radio Features:

- LTR Operation 32 Zone / 250 Group
- PassPort Operation 32 Zone / 250 Group
- 6 Programmable/Replaceable Buttons
- Loud Front Speaker Audio
- CTCSS/DCS Encode and Decode
- DTMF ANI/ (Optional Paging)
- RSSI Indicator
- Emergency Feature
- ARTSTM (Auto-Range Transpond System)
- Built-In Inversion Encryption
- Rolling Code Encryption (OPTION)
- MDC-1200®/GE-STAR® ANI Encode (OPTION)
- MIL-STD 810 C/D/E/F
- D-SUB 15 pin Accessory Connector
- Multi-Mode Scanning (Incl. Dual Watch, Priority, Follow-Me)

Recommended Accessories:

Microphone

- MH-75A8J: Keypad microphone (16 keys)
- MD-12A8J Desktop Microphone

External Speaker

- MLS-100 12W External Speaker
- MLS-200 Waterproof External Speaker (12 Watt Peak)

PRODUCT DETAILS		NEW MODEL	PREVIOUS MODEL	MSRP	
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	
VX-2200 Trunking Radio Models					
134-174 MHz	VHF	50W	250	AC084N102-VX	
450-512 MHz	UHF	50W	250	AC084U102-VX	
				VX-2200-AD0H	\$ 400.00
				VX-2200-AG7H	\$ 425.00

FCC INFORMATION: K66110613040 (134-174 MHz) / K6610614740 (450-512 MHz 45W)

VX-2200 Trunking Series

Trunking Mobiles

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Microphone Choices:

QA02627AA	ADD: MH-67A8J Microphone	\$ 0.00
QA02626AA	ADD: MH-75A8J DTMF Microphone	\$ 15.00

General Options:

Programming Selection Option:

QA02503AA	ADD: Passport Trunking (UHF Model Only)	\$ 0.00
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Programming Option:

QA02723AA	ADD: Customer Codeplug Factory Programming	\$ 50.00
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Vertex Standard Trunking Mobiles Accessories

Date 11/1/16

MSRP

VX-2200A	Model Number	Description	MSRP
Alignment / Service Related			
X	AAC92X001	CT-92 FIF-8 cable to the Mobiles VX-3200/VX-4200/VX-4200/VX-2500. Used for updating firmware using the FIF-8 firmware writer.	\$ 23.00
DC Noise Filter			
X	A09120001	LF-1 Plug-In Line Filter	\$ 35.00
Microphones			
X	AAF13X001	MD-12A8J Desktop Microphone	\$ 102.00
X	AAE60X102	MH-67A8J Standard Microphone	\$ 40.00
X	AAG22X101	MH-75A8J DTMF Microphone, 16 Key, Black	\$ 55.00
Power Supply			
X	XUSLX0001A	SEC-1223 Desktop Switching Power Supply 120 VAC	\$ 216.88
Programming and Installation			
X	AAD66X002	CT-104A Interface Cable for FIF-12A	\$ 40.00
X	T9101411	CT-4 Programming Cable - Radio to Radio Cloning	\$ 27.61
X	AAJ23X001	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	\$ 150.00
X	A06420002	VX VPL-1 Programming cable from PC. Check specific models for additional cable pigtails.	\$ 87.00
Signaling			
X	AAF39X001	FVP-35 Plug-in Rolling Code Encryption. Requires FIF-7 if installed into the VX-4000 / VX-5500 / VX-6000. Requires VX MPI for programming	\$ 346.00
X	XUCMR0003	VME-100 Board for MDC1200 Digital ANI (FIF-7 also required when being installed in VX-5500/6000)	\$ 69.31
Speaker			
X	A09260003	MLS-100 External Speaker (12 Watt Peak)	\$ 62.00
X	AAD49X001	MLS-200 Waterproof External Speaker (12 Watt Peak)	\$ 80.00

VX-P820 Series

P25 Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

VX-P820 Series portable models packages can include:

- FNB-V128LI-UNI 2300 mAh Li-Ion Battery
- VAC-UNI Universal Rapid Charger (Components: CD-58 & PA-55)
- Antenna Option
- Standard 3 Year Warranty

Radio Features:

- 512 Channels/32 Groups (W/LCD) 16 Channels (w/o LCD)
- 12 Character Alpha Numeric Display/Full Keypad
- RSSI & Battery Life Indicator* (Excludes VX-P821)
- Loud 700 mW Audio Output
- 3 Programmable Keys (P821) , 7 Keys (P824), 9 Keys (P829)
- IP57 Submersibility Rating
- MIL-STD C/D/E/F

Analog Only Features:

- CTCSS/DCS Encode and Decode
- DTMF ANI
- Optional DTMF Paging
- Audio Compander
- 2-Tone Encode & Multi 2-Tone Decode
- Lone Worker
- ARTS™ (Auto-Range Transpond System)
- BCLO, BTLO and TOT Functions
- TX/RX Battery Save
- User Selectable Tone* (Not available on P821)
- MDC-1200 Encode (PTT ID, Emergency ID)

Analog Mode and P25 Digital Conventional Mode:

- Emergency Feature
- Versatile Scanning (Priority Scan, Dual Watch,
- Follow-Me Scan, Follow Me-DW and TA Scan)
- AF Minimum Volume
- Direct Channel Recall *(Excludes VX-P821)
- User Set Mode* (Excludes VX-P821)

P25 Digital Conventional Mode Only:

- AMBE+2™ Vocoder
- NAC (Network Access Code)
- Talk Group ID
- Individual ID Lists *(Excludes VX-P821)
- Caller ID Display *(Excludes VX-P821)
- RSSI Audible Alert
- Mixed Mode
- BCLO and TOT
- Optional AES/DES Encryption



VX-P821 VX-P824 VX-P829

Recommended Accessories:

Speaker Microphones

- MH-50D7A Noise Canceling Speaker Microphone
- MH-66A IP57 Submersible Speaker Microphone
- MH66-B7A IP57 Submersible with PF Key and Toggle

Headsets and Surveillance

- VH-111 Heavy Duty Over the Head Headset
- VH-121 3-Wire Earpiece, Mic w/Palm PTT-Switch
- VH-131 2-Wire Earpiece, Palm Mic/PTT Combo

Multi-Unit Chargers

- VAC-6058 120/240V 6 Unit Rapid Charger

Carry Cases

- LCC-820S Leather Case w/Swivel and Belt Loop
- LCC-820S/TT Leaather Case w/Swivel & Keypad Opening

PRODUCT DETAILS				NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VX-P821 Radio Models						
134-174 MHz	VHF	1-5W	16	AC058N211-VX	VX-P821-D0-5	\$ 1,758.00
380-450 MHz	UHF	1-5W	16	AC058U234-VX	VX-P821-G8-5	\$ 1,858.00
450-512 MHz	UHF	1-5W	16	AC058U219-VX	VX-P821-G7-5	\$ 1,858.00

FCC INFORMATION: K6610583021 (134-174 MHz) / K6610584621 (403-512 MHz)

VX-P820 Series

Date 11/1/16

P25 Portables

MSRP

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

PRODUCT DETAILS	NEW MODEL	PREVIOUS MODEL	MSRP
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BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		MSRP
VX-P824 Radio Models						
134-174 MHz	VHF	1-5W	512	AC058N212-VX	VX-P824-D0-5	\$ 1,878.00
380-450 MHz	UHF	1-5W	512	AC058U235-VX	VX-P824-G8-5	\$ 1,978.00
450-512 MHz	UHF	1-5W	512	AC058U220-VX	VX-P824-G7-5	\$ 1,978.00
VX-P829 Radio Models						
134-174 MHz	VHF	1-5W	512	AC058N213-VX	VX-P829-D0-5	\$ 2,058.00
380-450 MHz	UHF	1-5W	512	AC058U236-VX	VX-P829-G8-5	\$ 2,158.00
450-512 MHz	UHF	1-5W	512	AC058U221-VX	VX-P829-G7-5	\$ 2,158.00

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Battery Choices:

STDBAT0868AC	ADD: STD BATTERY FNB-V128LI-UNI 2300 mAh Li-Ion Battery (Uses VAC-UNI Charger)	\$ 0.00
QA03902AA	ADD: FNB-V127LI-UNI 1380 mAh Li-Ion Battery (Uses VAC-UNI Charger)	\$ (16.00)
QA04398AA	ADD: FNB-V129LI-UNI 3000 mAh Li-Ion Battery (Uses VAC-UNI Charger)	\$ 60.00
QA04972AA	ADD: FNB-V129LIIS 3000 mAh Intrinsically Safe Li-Ion Battery (Uses VAC-UNI Charger)	\$ 118.34
QA02488AA	ADD: FNB-V87LIA 2300 mAh Li-Ion Battery (Uses VAC-921 Charger)	\$ 8.33
QA02659AA	ADD: FNB-V86LIA 1380 mAh Li-Ion Battery (Uses VAC-921 Charger)	\$ (7.67)
QA02660AA	ADD: FNB-V92LI 3000 mAh Li-Ion Battery (Uses VAC-921 Charger)	\$ 68.33

Charger Choices:

STDCHG0868AA	ADD: VAC-UNI 120V Standard Charger (Use with FNB-V127LI, FNB-V128LI, FNB-V129LI-UNI)	\$ 0.00
QA03678AA	ADD: VAC-UNI 240V EU Charger (Use with FNB-V127LI, FNB-V128LI, FNB-V129LI-UNI)	\$ 0.00
QA02742AA	ADD: VAC-921B 120V Rapid Rate Charger (Use with FNB-V86LIA, FNB-V87LIA, FNB-V92LI, FNB-V92LIIS)	\$ 8.33
QA02743AA	ADD: VAC-921C 240V Rapid Rate Charger (Use with FNB-V86LIA, FNB-V87LIA, FNB-V92LI, FNB-V92LIIS)	\$ 8.33
QA02481AA	DELETE: Charger	\$ (36.00)

Antenna Choices:

QA02616AA	ADD: ATV-8A 134-150 MHz Antenna	\$ 0.00
QA02458AA	ADD: ATV-8B 150-162 MHz Antenna 6"	\$ 0.00
QA03017AA	ADD: ATV-6B 150-162 MHz Antenna 3.5" **Reduced Range Performance**	\$ 0.00
QA02457AA	ADD: ATV-8C 162-174 MHz Antenna 6"	\$ 0.00
QA03016AA	ADD: ATV-6C 162-174 MHz Antenna 3.5" **Reduced Range Performance**	\$ 0.00
QA02684AA	ADD: ATV-6XL VHF Untuned Antenna	\$ 0.00
QA02621AA	ADD: ATU-6A 400-430 MHz Antenna (For G6 Models)	\$ 0.00
QA02617AA	ADD: ATU-6A 400-430 MHz Antenna (For G8 Models)	\$ 0.00
QA02624AA	ADD: ATU-6D 450-485 MHz Antenna 6"	\$ 0.00
QA02615AA	ADD: ATU-6DS 450-485 MHz Antenna 3.5"	\$ 0.00

General Options:

Speaker Microphone Choices*:

QA13965AA	ADD: MH-50D7A Public Safety Speaker Microphone	\$ 94.00
QA13966AA	ADD: MH-66A7A Submersible NC Speaker Microphone	\$ 92.00
QA13967AA	ADD: MH-66B7A Submersible Speaker Microphone	\$ 180.00

*Option pricing is the same as stand alone accessory price.

Programming Option: **Encryption options are factory installed**

QA02502AA	ADD: AES/DES Encryption Programming	\$ 550.00
QA02724AA	ADD: Customer Codeplug Factory Programming	\$ 50.00

Shipping Option:

STDBOX0868AA	Standard Packaging	\$ 0.00
QA03060AA	ADD: Bulk Packaging	\$ 0.00

VX-P920 Series

P25 Portables

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

VX-P920 Series portable models packages can include:

- FNB-V128LI-UNI 2300 mAh Li-Ion Battery
- VAC-UNI Universal Rapid Charger (Components: CD-58 & PA-55)
- Antenna Option
- Standard 3 Year Warranty

Radio Features:

- 512 Channels/32 Groups (W/LCD) 48 Channels (w/o LCD)
- 12 Character Alpha Numeric Display/Full Keypad
- RSSI & Battery Life Indicator* (Excludes VX-P921)
- Loud 700 mW Audio Output
- 8 Programmable Keys (P924), 10 Programmable Keys (P929)
- IP57 Submersibility Rating
- MIL-STD C/D/E/F

Analog Only Features:

- CTCSS/DCS Encode and Decode
- DTMF ANI / Optional DTMF Paging
- Audio Compander
- 2-Tone Encode & Multi 2-Tone Decode
- Lone Worker
- ARTS™ (Auto-Range Transpond System)
- Clear Voice
- BCLO, BTLO and TOT Functions
- TX/RX Battery Save

- User Selectable Tone* (Not available on P921)
- MDC-1200 Encode (PTT ID, Emergency ID)

Analog Mode and P25 Digital Conventional Mode:

- Emergency Feature
- Versatile Scanning (Priority Scan, Dual Watch, Follow-Me Scan, Follow Me-DW and TA Scan)
- AF Minimum Volume
- Direct Channel Recall *(Excludes VX-P921)
- User Set Mode* (Excludes VX-P921)

P25 Digital Conventional Mode Only:

- AMBE+2™ Vocoder
- NAC (Network Access Code)
- Talk Group ID
- Individual ID Lists *(Excludes VX-P921)
- Caller ID Display *(Excludes VX-P921)
- RSSI Audible Alert
- Mixed Mode
- BCLO and TOT
- Optional AES/DES Encryption



VX-P924

VX-P929

Recommended Accessories:

Speaker Microphones

- MH-50D7A Noise Canceling Speaker Microphone
- MH-66A IP57 Submersible Speaker Microphone
- MH66-B7A IP57 Submersible with PF Key and Toggle

Headsets and Surveillance

- VH-111 Heavy Duty Over the Head Headset
- VH-121 3-Wire Earpiece, Mic w/Palm PTT-Switch
- VH-131 2-Wire Earpiece, Palm Mic/PTT Combo

Multi-Unit Chargers

- VAC-6058 120/240V 6 Unit Rapid Charger

Carry Cases

- LCC-920S Leather Case w/Swivel and Belt Loop
- LCC-920S/TT Leather Case w/Swivel and Keypad Opening

PRODUCT DETAILS	NEW MODEL	PREVIOUS MODEL	MSRP
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BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VX-P924 Radio Models						
134-174 MHz	VHF	1-5W	512	AC033N219-VX	VX-P924-D0-5	\$ 1,678.00
380-450 MHz	UHF	1-5W	512	AC033U242-VX	VX-P924-G8-5	\$ 1,778.00
450-512 MHz	UHF	1-5W	512	AC033U227-VX	VX-P924-G7-5	\$ 1,778.00
VX-P929 Radio Models						
134-174 MHz	VHF	1-5W	512	AC033N220-VX	VX-P929-D0-5	\$ 1,858.00
380-450 MHz	UHF	1-5W	512	AC033U243-VX	VX-P929-G8-5	\$ 1,958.00
450-512 MHz	UHF	1-5W	512	AC033U228-VX	VX-P929-G7-5	\$ 1,958.00

FCC INFORMATION: K6610333020 (134-174 MHz) / K6610334620 (403-470 MHz) / K6610334720 (450-512 MHz)

VX-P920 Series**P25 Portables**

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP**Battery Choices:**

STDBAT0868AC	ADD: STD BATTERY FNB-V128LI-UNI 2300 mAh Li-Ion Battery (Uses VAC-UNI Charger)	\$ 0.00
QA03902AA	ADD: FNB-V127LI-UNI 1380 mAh Li-Ion Battery (Uses VAC-UNI Charger)	\$ (16.00)
QA04398AA	ADD: FNB-V129LI-UNI 3000 mAh Li-Ion Battery (Uses VAC-UNI Charger)	\$ 60.00
QA04972AA	ADD: FNB-V129LIIS 3000 mAh Intrinsically Safe Li-Ion Battery (Uses VAC-UNI Charger)	\$ 118.34
QA02488AA	ADD: FNB-V87LIA 2300 mAh Li-Ion Battery (Uses VAC-921 Charger)	\$ 8.33
QA02659AA	ADD: FNB-V86LIA 1380 mAh Li-Ion Battery (Uses VAC-921 Charger)	\$ (7.67)
QA02660AA	ADD: FNB-V92LI 3000 mAh Li-Ion Battery (Uses VAC-921 Charger)	\$ 68.33

Charger Choices:

STDCHG0868AA	ADD: VAC-UNI 120V Standard Charger (Use with FNB-V127LI, FNB-V128LI, FNB-V129LI-UNI)	\$ 0.00
QA03678AA	ADD: VAC-UNI 240V EU Charger (Use with FNB-V127LI, FNB-V128LI, FNB-V129LI-UNI)	\$ 0.00
QA02742AA	ADD: VAC-921B 120V Rapid Rate Charger (Use with FNB-V86LIA, FNB-V87LIA, FNB-V92LI, FNB-V92LIIS)	\$ 8.33
QA02743AA	ADD: VAC-921C 240V Rapid Rate Charger (Use with FNB-V86LIA, FNB-V87LIA, FNB-V92LI, FNB-V92LIIS)	\$ 8.33
QA02481AA	DELETE: Charger	\$ (36.00)

Antenna Choices:

QA02616AA	ADD: ATV-8A 134-150 MHz Antenna	\$ 0.00
QA02458AA	ADD: ATV-8B 150-162 MHz Antenna 6"	\$ 0.00
QA03017AA	ADD: ATV-6B 150-162 MHz Antenna 3.5" **Reduced Range Performance**	\$ 0.00
QA02457AA	ADD: ATV-8C 162-174 MHz Antenna 6"	\$ 0.00
QA03016AA	ADD: ATV-6C 162-174 MHz Antenna 3.5" **Reduced Range Performance**	\$ 0.00
QA02684AA	ADD: ATV-6XL VHF Untuned Antenna	\$ 0.00
QA02621AA	ADD: ATU-6A 400-430 MHz Antenna (For G6 Models)	\$ 0.00
QA02617AA	ADD: ATU-6A 400-430 MHz Antenna (For G8 Models)	\$ 0.00
QA02624AA	ADD: ATU-6D 450-485 MHz Antenna 6"	\$ 0.00
QA02615AA	ADD: ATU-6DS 450-485 MHz Antenna 3.5"	\$ 0.00

General Options:**Speaker Microphone Choices*:**

QA13965AA	ADD: MH-50D7A Public Safety Speaker Microphone	\$ 94.00
QA13966AA	ADD: MH-66A7A Submersible NC Speaker Microphone	\$ 92.00
QA13967AA	ADD:MH-66B7A Submersible Speaker Microphone	\$ 180.00

*Option pricing is the same as stand alone accessory price.

Programming Option: **Encryption options are factory installed**

QA02502AA	ADD: AES/DES Encryption Programming	\$ 550.00
QA02724AA	ADD: Customer Codeplug Factory Programming	\$ 50.00

Shipping Option:

STDBOX0868AA	Standard Packaging	\$ 0.00
QA03060AA	ADD: Bulk Packaging	\$ 0.00

Vertex Standard P25 Portable Accessories

Date 11/1/2016

MSRP

VX-P820 VX-P920	Model Number	Description	MSRP
Alignment / Service Related			
X	X	AAD94X001 CT-110 Firmware writing cable (For use with the FIF-8)	\$ 65.00
Alkaline Battery Cases			
X	X	AAE11X002 FBA-34 Alkaline Battery Case VX-820/920 series	\$ 45.00
Antennas			
X	X	XUCET0010 ATU-6A 400-430 MHZ / Brown / 6.5" / VX10UA/600/800/900	\$ 14.00
X	X	XUCET0011 ATU-6AS Antenna 410-430 MHZ / 3.5"	\$ 13.00
X	X	XUCET0012 ATU-6D 450-485 MHZ / Red / 6" / VX-10/160/180/210/400/600/800/900	\$ 14.00
X	X	XUCET0013 ATU-6DS Antenna 450-485 MHz / 3.5"	\$ 14.00
X	X	XUCET0033 ATV-10A High Gain Antenna, 145-155MHz (Red) / 10.5"	\$ 16.00
X	X	XUCET0034 ATV-10B High Gain Antenna, 150-160MHz (Brn) / 10.5"	\$ 16.00
X	X	XUCET0035 ATV-10C High Gain Antenna, 155-165MHz (Blk) / 10.5"	\$ 16.00
X	X	XUCET0036 ATV-10E High Gain Antenna, 165-175MHz (Org) / 10.5"	\$ 16.00
X	X	XUCET0019 ATV-6A Antenna 134-151 MHz / 4"	\$ 13.00
X	X	XUCET0020 ATV-6B Antenna 150-163 MHz / 3.5"	\$ 15.00
X	X	XUCET0021 ATV-6C Antenna 161-174 MHz / 3.5"	\$ 13.00
X	X	XUCET0022 ATV-6XL Untuned VHF Antenna 7"	\$ 14.00
X	X	XUCET0023 ATV-8A Antenna 134-150 MHz / Sable / 6"	\$ 14.00
X	X	XUCET0024 ATV-8B Antenna 150-163 MHz / Sable / 6"	\$ 14.00
X	X	XUCET0025 ATV-8C Antenna 162-174 MHz / Sable / 6"	\$ 14.00
X	X	AAE64X001 ATW-1A Dual-band antenna for multi-band Rx: 134-151MHz / 450-520MHz	\$ 28.00
X	X	AAE64X002 ATW-1B Dual-band antenna for multi-band Rx: 150-163MHz / 450-520MHz	\$ 28.00
X	X	AAE64X003 ATW-1C Dual-band antenna for multi-band Rx: 161-174MHz / 450-520MHz	\$ 28.00
Batteries			
X	X	AAD83X021 FNB-V87LIA 7.4V 2300mAh Li-ion Battery	\$ 88.33
X	X	AAD82X021 FNB-V86LIA 7.4 V 1380mAh Li-ion Battery	\$ 72.33
X	X	AAJ62X001 FNB-V128LI-UNI 2300 mAh Li-Ion Battery (VAC-UNI Charger)	\$ 80.00
X	X	AAJ61X001 FNB-V127LI-UNI 1380 mAh Li-Ion Battery (VAC-UNI Charger)	\$ 64.00
X	X	AAJ63X001 FNB-V129LI-UNI 3000 mAh Li-Ion Battery (VAC-UNI Charger)	\$ 140.00
X	X	AAL73X001 FNB-V129LIIS 3000 mAh Li-Ion Battery, Intrinsically Safe (VAC-UNI Charger)	\$ 160.00
Belt Clips			
X	X	AAE85X001 CLIP17-A Swivel Belt Clip	\$ 16.00
X	X	AAE85X002 CLIP17-B Swivel Belt Clip	\$ 16.00
X	X	AAE52X001 CLIP-820 Belt Clip for the VX-820 Series (TM)	\$ 10.00
X	X	AAE51X001 CLIP-920 Belt Clip for the VX-920 Series (TM)	\$ 10.00
Cases			
X	X	XUBEE0048 LCC-820 Leather case with Belt Loop	\$ 32.00
X	X	XUBEE0069 LCC-820H Leather case with belt loop. For use with VX-821/P821 and FNB - V92LI (and IS) battery	\$ 32.00
X	X	XUBEE0073 LCC-820H/TT Leather case with belt loop. For use with VX-829/P829 and FNB-V92LI (and IS) battery	\$ 32.00
X	X	XUBEE0046 LCC-820S Leather Case with Swivel and Belt Loop	\$ 42.00
X	X	XUBEE0047 LCC-820S/TT Leather Case w/Swivel, Belt Loop and Keyboard Opening	\$ 42.00
X	X	XUBEE0068 LCC-820SH Leather case with D Swivel. For use with VX-821/P821 and FNB - V92LI (and IS) battery	\$ 42.00
X	X	XUBEE0072 LCC-820SH/TT Leather case with D swivel. For use with VX-829/P829 and FNB - V92LI (and IS) battery	\$ 42.00
X	X	XUBEE0075 LCC-920H Leather case with belt loop.For use with VX-921/P921 and FNB - V92LI (and IS) battery	\$ 32.00
X	X	XUBEE0079 LCC-920H/TT Leather case with belt loop. For use with VX-929/P929 and FNB - V92LI (and IS) battery	\$ 32.00

Vertex Standard P25 Portable Accessories

Date 11/1/2016

MSRP

VX-P820	VX-P920	Model Number	Description	MSRP
Cases (Continued)				
X	X	XUBEE0049	LCC-920S Leather Case with Swivel and Belt Loop	\$ 42.00
X	X	XUBEE0050	LCC-920S/TT Leather case w/ Swivel Clip and Keyboard Cut-Out	\$ 42.00
X	X	XUBEE0074	LCC-920SH Leather case with D Swivel. For use with VX-921/P921 and FNB - V92LI (and IS) battery	\$ 42.00
X	X	XUBEE0078	LCC-920SH/TT Leather case with D swivel. For use with VX-929/P929 and FNB - V92LI (and IS) battery	\$ 42.00
X	X	XUBEE0051	LCC-920TT Leather Case w/Belt Loop and Keypad Cut-out	\$ 32.00
Chargers				
X	X	XUAAK44X001	VAC-6058 120V MUC FOR UNI LIION BATTERY	\$ 450.00
X	X	XUAAK44X002	VAC-6058 220V EU MUC FOR UNI LIION BATTERY	\$ 450.00
X	X	XUAAE45X00101	VAC-921B 120 VAC Desktop Rapid charger	\$ 72.33
X	X	XUAAE45X00102	VAC-921C 240 VAC Desk top rapid charger	\$ 72.33
X	X	XUAAJ72X001	VAC-UNI-B 120V US Universal Charger (For use with -UNI batteries)	\$ 36.00
X	X	XUAAJ72X002	VAC-UNI-C 220V EU Universal Charger (For use with -UNI batteries)	\$ 36.00
X	X	AAF15X001	VCM-2 Vehicular Charger Mounting Adapter Kit for VAC-920 & VAC-300	\$ 60.00
X	X	AAK45X001	VCM-5 Vehicle Charger Mounting Adapter – UNI Charger/Batteries Only	\$ 72.00
Headsets and Surveillance				
X	X	AAE72X001	VH-111 Heavy Duty, Dual Muff, Over the head style, with Boom Mic	\$ 400.00
X	X	AAG49X003	VH-215L Headset	\$ 115.70
Programming and Installation				
X	X	AAD92X001	CT-108 PC programming cable (for use with the FIF-12 USB Interface)	\$ 65.00
X	X	AAE50X001	CT-116 Radio to Radio Programming Cable	\$ 65.00
X	X	AAF83X001	CT-127 Keyloader adapter cable for VX-P820/870 & VX-P920/970 series P25 radios with encryption option. Required CT-129 or Motorola TKN8531C.	\$ 50.00
X	X	XUMOT0001	CT-129 Keyloader interface cable for KVL-3000+. Use with either CT-127 (for portables) or CT-128 (for mobiles) for programming encryption keys into radio.	\$ 199.00
X	X	AAJ23X001	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtailed. Pigtailed not included.	\$ 150.00
Speaker Microphones				
X	X	AAA75X004	MH-50D7A Public Safety Speaker Microphone w/toggle, MIL-STD Rated	\$ 94.00
X	X	AAE46X001	MH-66A7A Submersible Noise Canceling Speaker Microphone	\$ 92.00
X	X	AAE46X002	MH-66B7A Submersible Speaker Microphone with 2 Programmable Function keys and Audio Attenuator Switch.	\$ 180.00

VX-7200 Series

P25 Mobiles

P25 UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

VX-7200 mobile models include:
MH-67A8J Standard Microphone
Standard 3 Year Warranty



VX-7200

Radio Features:

- 8 Channels/ 1 Group VX-7100
- 501 Channels/ 32 Groups VX-7200
- 12 Character, 7 Segment 3 Char. Large LCD (7200 only)
- 3 Programmable Keys (7100)/5 Keys (7200)
- D-Sub 15 Pin Accessory Connector
- MIL-STD 810 C/D/E/F

Analog Only Features:

- DTMF ANI/DTMF Paging* (Paging only on VX-7200)
- 2-Tone Encode and Multi-2-Tone Decoding
- CTCSS/DCS Encode and Decode
- BCLO, BTLO and TOT Functions
- User Selectable Tone* (Only on VX-7200)
- ARTS™ (Auto-Range Transpond System)
- Audio Compaander

Analog and P25 Digital Mode:

- Minimum Volume
- Built In Emergency Microphone
- Public Address/Horn Alert
- Emergency Feature
- Group Scan/Priority Scan

P25 Digital Mode Only:

- P25 Digital Conventional Only
- AMBE+2™ Vocoder
- NAC (Network Access Code)
- Talk Group ID
- Individual ID lists (VX-7200 only)
- Caller ID Display (VX-7200 only)
- RSSI Audible Alert
- Mixed Mode
- BCLO and TOT
- Optional AES/DES Encryption

Recommended Accessories:

Microphone

- MD-12A8J Desktop Microphone
- MH-75A8J DTMF Microphone
- MH-67A8J Standard Microphone
- MH-53A8J Heavy Duty Microphone

External Speaker

- MLS-100 12W External Speaker
- MLS-200 Waterproof External Speaker (12 Watt Peak)

PRODUCT DETAILS				NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VX-7200 Series Radio Models						
134-174	VHF	50W	512	AC060N002-VX	VX-7200-D0-50 134-174 50W	\$ 1,874.00
450-512	UHF	45W	512	AC060U002-VX	VX-7200-G7-45 450-512 45W	\$ 1,974.00
380-450	UHF	45W	512	AC060U004-VX	VX-7200-G8-45 380-450 45W	\$ 1,974.00

FCC INFORMATION: K6610603040 (134-174 MHz) / K6610604840 (403-470 MHz) / K6610604740 (450-512 MHz)

VX-7200 Series

P25 Mobiles

P25 UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Microphone Choices:

QA02644AA	ADD: Mic MH-67A8J	\$ 0.00
QA02637AA	ADD: DTMF Mic MH-75A8J	\$ 15.00

General Options:

Programming Option: **Encryption options are factory installed**

QA02722AA	ADD: AES/DES Encryption Programming	\$ 550.00
QA02723AA	ADD: Customer Codeplug Factory Programming	\$ 50.00

Vertex Standard P25 Mobiles Accessories

Date 11/1/2016

MSRP

VX-7200	Model Number	Description	MSRP
	DC Cables		
X	AAE06X001	E-DC-22 30 ft DC cable for VX-4000/-5500 mobiles	\$ 80.00
	DC Noise Filters		
X	A09120001	LF-1 Plug-In Line Filter	\$ 35.00
	Microphones		
X	AAF13X001	MD-12A8J Desktop Microphone	\$ 102.00
X	AAG22X101	MH-75A8J DTMF Microphone	\$ 55.00
X	AAE60X102	MH-67A8J Standard Microphone	\$ 40.00
X	AAB02X008	MH-53A8J Heavy Duty Microphone	\$ 150.00
	Mounting Brackets		
X	AAD48X001	MMB-85 Quick Release Mobile Bracket for VX-4100/4200	\$ 75.00
	Power Supply		
X	XUSLX0001A	SEC-1223 Desktop Switching Power Supply 120 VAC	\$ 216.88
	Programming and Installation		
X	AAD66X002	CT-104A Interface Cable for FIF-12	\$ 40.00
X	AAF84X001	CT-128 Keyloader adapter cable for VX-7100 & VX-7200 series P25 mobile radios with encryption option. Required CT-129 or Motorola TKN8531C.	\$ 50.00
X	XUMOT0001	CT-129 Keyloader interface cable for KVL-3000+. Use with either CT-127 (for portables) or CT-128 (for mobiles) for programming encryption keys into radio.	\$ 199.00
X	AAJ23X001	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtailed. Pigtailed not included.	\$ 150.00
X	A06420002	VX-VPL-1 Programming cable from PC. Check specific models for additional cable pigtailed.	\$ 87.00
	Speaker		
X	A09260003	MLS-100 External Speaker (12 Watt Peak)	\$ 62.00
X	AAD49X001	MLS-200 Waterproof External Speaker (12 Watt Peak)	\$ 80.00

VX-1700 Series

HFSSB

Single Side Band

VX-1700 mobile models include:
MH-31A8J - Standard Microphone
Standard 3 Year Warranty



VX-1700

Radio Features:

- 200 Memory Channels (arranged in 5 banks)
- Four Programmable Keys
- Alphanumeric Labeling of Memory Channels
- A1A (CW), J3E (LSB/USB), A3E (AM), J2B (USB/LSB)
- Flexible calling options: SELCALL, TELCALL, Message Call,
- Dual Watch Operation
- VOX
- Noise Blanker
- Dimmer Function
- CW Side Tone Function
- CW Semi-break-in
- PC Programmable
- MIL-STD 810 D/E/F
- Optional Mobile Antenna
- ALE Operation (Requires ALE-1 unit Option)
- Power Output:

- 125W (A1A, J2B, J3E @ 1.6000 ~ 3.9999 MHz)
- 100W (A1A, J2B, J3E @ 4.0000 ~ 30.000 MHz)
- 31W (A3E @ 1.6000 ~ 3.9999 MHz)
- 25W (A3E @ 4.0000 ~ 30.000 MHz)

Recommended Accessories:

- Power Supply**
FP-1030A 30A Power Supply 110V
- Microphone**
MD-100A8X Desktop Microphone
MH-31A8J Dynamic Hand Microphone
MD-12A8J Desktop Microphone
- Speaker**
MLS-100 External Speaker (12W)
MLS-200 Waterproof External Speaker (12 Watt Peak)

PRODUCT DETAILS				NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VX-1700 Radio Model						
1.6-30 MHz	Low Band	125W	200	AC051H003-VX	VX-1700-A0-125	\$ 1,280.40

FCC INFORMATION: K6610511070

OPTION SELECTION	DESCRIPTION	MSRP
Programming Option: QA02723AA	ADD: Customer Codeplug Factory Programming	\$ 50.00

Vertex Standard HFSSB Accessories

Date 11/1/2016

MSRP

VX-1700	Model Number	Description	MSRP
Antennas			
X	D8000240	YA-007FG HF Multiband Mobile Antenna 7-30 MHz (Requires FC-40)	\$ 216.00
X	A00590003	YA-30 Broadband T2FD Dipole Base Station Antenna 77ft	\$ 369.00
X	AAF76X001	YA-31 Broadband HF Antenna 49 ft.	\$ 385.00
HF Antenna Tuners			
X	AAC86X002	FC-30 Automatic Antenna Tuner (For coaxial lines)	\$ 237.00
X	AAD77X002	FC-40 The FC-40 is a new, wide-range Antenna Coupler for the FT-450, FT-857, and FT-	\$ 412.00
Microphones			
X	A06880001	MD-100A8X Desktop Microphone	\$ 183.75
X	A06870001	MH-31A8J Dynamic Hand Microphone	\$ 54.00
X	AAF13X001	MD-12A8J Desktop Microphone	\$ 102.00
Mounting Brackets			
X	AAE67X001	MMB-89 One-Touch Mobile Bracket	\$ 45.00
Power Supply			
X	A12510002	FP-1030A 30A Power Supply 110V	\$ 345.22
Programming and Installation			
X	A13860001	CT-62 Programming Cable	\$ 40.00
Signaling			
X	AAE56X001	ALE-1 Automatic Link Establishment Unit	\$ 700.00
Speaker			
X	A09260003	MLS-100 External Speaker (12 Watt Peak)	\$ 62.00
X	AAD49X001	MLS-200 Waterproof External Speaker (12 Watt Peak)	\$ 80.00

BSC-5000
Repeaters/Base Stations
UHF / VHF Models, 12.5 kHz / 25 kHz, Analog



BSC-5000

Base Station Features:

- Creates a Base Station by Installing VX-5500 or VX-6000 Series Mobile
- Internal AC Switching Power Supply or External DC Supply
- Automatic Switch-over to Backup battery
- Digital Clock (12 H or 24 H)
- Loud Speaker (12W) and Clear Sound

Recommended Accessories:

- Microphone
MD-12A8J Desktop Microphone

PRODUCT DETAILS				NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
BSC-5000 Base Station Model						
N/A	N/A	N/A	N/A	AAD38X001-VX	BSC-5000	\$ 1,995.00

VXR-1000 Series

Repeaters/Base Stations

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog



VXR-1000

Repeater Features:

- 16 Channels
- D-sub 9 pin connector
- 5W Power Output
- 12.5/25 kHz Bandwidth (Programmable by Channel)
- CTCSS/DCS Encode & Decode
- ARTS™ (Auto Range Transponder System)
- Command Control (Allows repeater to talk directly with Portable)
- Built In Voice Inversion Encryption (Allows Secure voice between VXR-1000 and Portable)
- Local Volume Control (Requires External Speaker)
- First on Scene Logic with Priority Sampling
- Compatible with Most Popular Trunking Protocols
- Compatible with Most Low Band, VHF and UHF Systems
- PC Programmable
- MIL-STD 810 C/D/E

Recommended Accessories:

Microphone

MH-67A8J Standard Microphone

Speaker

- MLS-100 External Speaker (12W)
- MLS-200 Waterproof External Speaker (12 Watt Peak)

VXR-1000 Radio Cancellation
Effective upon depletion of inventory, the VXR-1000 series will no longer be available for purchase. Last date of order is 4/30/16. For additional details, refer to VSOL > Resource Center > Product Information > Cancellations.

PRODUCT DETAILS				NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VXR-1000 Series Repeater Models						
150-174 MHz	VHF	5W	16	A13710001-VX	VXR-1000V	\$ 599.00
450-470 MHz	UHF	5W	16	A13370001-VX	VXR-1000U	\$ 599.00

VXR-7000 Series

Repeaters/Base Stations

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog



VXR-7000

Repeater Features:

- 16 Channel Synthesized
- 8 Character ANI / ENI ID Display
- 47 CTCSS / 108 DCS Encode / Decode
- 5-Tone Encode / Decode
- Multi-Tone Decode
- DTMF Encode / Decode
- D-Sub 25 pin accessory connector
- 10 to 50W Power Output (100% Duty)
- CW Transmitter ID (Dealer Programmed)
- 12.5/25 kHz Bandwidth Prog 16 Tones/Codes
- Time-Out Timer, Hang Timer, Guard Timer (Dealer Programmed)
- Busy Channel Lockout (BLCO)
- Busy Tone Lockout (BTLO)
- Selectable Repeater Mode or Base Transceiver Mode
- Selectable Local Mode or Remote Mode
- AC Power Supply Voltage Selection (115/230 VAC <math>\pm 10\%> Dealer Selectable)
- Automatic DC Power Supply Backup
- Optional Internal Duplexer (Limit 40W)
- PC Programmable
- ACC Connector Port & Line Interface Port
- Optional VX-Trunk Operational

Recommended Accessories:

- Microphone**
- MH-67A8J Standard Microphone
 - MD-12A8J Desktop Microphone

PRODUCT DETAILS				NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
VXR-7000 Repeater Models						
136-150 MHz	VHF	50W	16	A13670012-VX	VXR-7000VA	\$ 1,600.00
150-174 MHz	VHF	50W	16	A13670010-VX	VXR-7000VC	\$ 1,650.00
400-430 MHz	UHF	50W	16	A13680004-VX	VXR-7000UA	\$ 1,650.00
450-480 MHz	UHF	50W	16	A13680014-VX	VXR-7000UD	\$ 1,650.00

FCC INFORMATION: K66VXR-7000VC (134-174 MHz) / K66-VXR7000U (400-480 MHz)

VXR-9000 Series

Repeaters/Base Stations

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog



VXR-9000

Repeater Features:

- 32 Channels
- 47 CTCSS / 109 DCS Encode / Decode
- 6 Dual Functioning Programmable Front Panel Keys
- 50W or 25W Power Output
- 100W Power Amplifier Unit (Optional)
- PLL Step Sizes: 2.5/5.0/6.25 kHz
- Low Level and High Level Encryption Options
- CTCSS Reverse Burst with Programmable Length
- 3.15" Square Cooling Fan with "Malfunction" Sensor Output
- Multi-Tone Decode
- 5-Step Command Sequence for Startup, Power Source: Main to Sub, and Sub to Main
- CW ID and CW Messages Selected by Trigger
- Coaxial relay Drivers for Single Antenna Operation; Also TX Attenuator
- Programmed Message Banks for Maintenance Logs or Any Other Free Text
- Repeater Occupation Settings to Hold the Last Tone Code (Preset Timer)
- Built In Audio Voice Companding Unit
- Channel Scanning With Priority Channel
- Automatic DC Backup Switching with Alert
- Optional Built In Power Supply Unit FP-31
- D-sub 25 pin accessory connector
- EIA rack mount size

Recommended Accessories:

- Microphone**
 MD-12A8J Desktop Microphone
 MH-67A8J Standard Microphone
- Power Supply**
 FP-31 Internal Power Supply*
 *Required for all 50W models
 FP-1030A External Power Supply

PRODUCT DETAILS	NEW MODEL	PREVIOUS MODEL	MSRP
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BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	
VXR-9000 Repeater Models					
134-160 MHz	VHF	50W	32	AC044N004-VX	VXR-9000VA
148-174 MHz	VHF	50W	32	AC044N006-VX	VXR-9000VC
400-430 MHz	UHF	50W	32	AC044U006-VX	VXR-9000UA
450-490 MHz	UHF	50W	32	AC044U008-VX	VXR-9000UD
					\$ 1,395.00
					\$ 1,395.00
					\$ 1,495.00
					\$ 1,495.00

FCC INFORMATION: K6610443240 (134-174 MHz) / K6610444140 (403-430 MHz) / K66VXR-9000U (450-490 MHz)

Date 11/1/16
MSRP

VXR-9000 Series

Repeaters/Base Stations

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

OPTION SELECTION	DESCRIPTION	MSRP
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Options: TO COMPLETE AN ORDER YOU MUST MAKE ONE (1) CHOICE PER EACH STEP

Programming Option:

QA02725AB	ADD: 100W POWER AMPLIFIER for VXR-9000VC	\$ 1,893.00
QA02725AA	ADD: 100W POWER AMPLIFIER for VXR-9000UD	\$ 1,943.00

EVX-R70 Series
Repeaters/Base Stations
UHF / VHF Models, 12.5 kHz / 6.25 kHz^e, Analog/Digital



EVX-R70

Repeater Features:

- Digital or Analog Operation
- Dynamic Mixed Mode
- DMR Standard TDMA 6.25 kHz Efficient
- 25W - 45W Power Output
- 136-174 MHz VHF, 403-470 MHz UHF, 450-512 MHz UHF
- 16 Channels
- EIA Rack Mount Size
- AMBE+2™ Digital Vocoder
- 26 Pin Accessory Connector
- Multicolored LED Status Indicator

PRODUCT DETAILS				NEW MODEL	PREVIOUS MODEL	MSRP
BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL		
EVX-R70 Repeater Models						
136-174	VHF	45W	16	AC103N002-VX	EVX-R70-D0-45	\$ 2,542.00
403-470	UHF	40W	16	AC103U004-VX	EVX-R70-G6-40	\$ 2,542.00
450-512	UHF	40W	16	AC103U006-VX	EVX-R70-G7-40	\$ 2,542.00

FCC INFORMATION: AX111033040 (136-174 MHz) / AX111034640 (403-470 MHz) / AX111304740 (450-512 MHz)

EVX-Link

Repeaters/Base Stations

UHF / VHF Models, 12.5 kHz / 25 kHz, Analog

EVX-Link include:
EVX-Link to EVX Mobile Interface Cable
Standard 3 Year Warranty



EVX-Link

EVX-Link Features

- Connect up to 30 DMR Sites
- No Repeater Requirements
- Compact and Discreet
- Simple Installation
- Compatible with all frequency bands and DMR manufactured products
- Versatile Coverage

EVX-Link DMR Compatible Features

- All Call, Group Call, Private Call
- PTT ID
- Call Alert
- Remote Monitor
- Text Messaging
- Emergency Calls
- Stun/Revive
- Site Search Supported

PRODUCT DETAILS **MSRP**

EVX-Link		
AAL90X001	EVX-Link (mobile and power supply sold separately)	\$ 800.00

Vertex Standard Repeaters/Base Station Accessories

Date 11/1/16

MSRP

BSC-5000	VXR-1000	VXR-7000	VXR-9000	EVX-R70	Model Number	Description	MSRP
Duplexers							
		X	X		XUFIP0001	VXD-60UD 50 Watt Internal Duplexer, UHF 440-470 MHz *Note: Compatible with the VXR-9000 however it can not be installed and must be used separately	\$ 410.00
		X	X		XUFIP0002	VXD-60VC 50 Watt Internal Duplexer, VHF 148-160 MHz *Note: Compatible with the VXR-9000 however it can not be installed and must be used separately	\$ 410.00
Microphones							
X					AAB02X008	MH-53A8J HEAVY DUTY MICROPHONE	\$ 150.00
X	X	X			AAF13X001	MD-12A8J Desktop Microphone	\$ 102.00
X	X	X			AAE60X102	MH-67A8J Standard Microphone	\$ 40.00
Misc.							
			X		AAC95X001	FIF-9 The FIF-9 is an interface unit which allows remote control of the VXR-9000 repeater via a 4-line or 8-line cable	\$ 145.00
			X		AAH39X001	WMB-1 Wall mount kit	\$ 148.33
		X			AAA69X001	MR-3 4U HIGH 19 INCH WIDE MOUNT KIT	\$ 220.00
		X			AAH36X001	CT-149 Mobile Rear Accy Connector Universal Cable	\$ 30.00
		X			AAH40X001	E-DC-29 Battery backup cable	\$ 66.67
Power Supply							
		X			AAC96X001	FP-31 POWER SUPPLY Internal power supply for the VXR-9000 rack mount	\$ 298.00
Programming and Installation							
	X	X			AAD66X002	CT-104A Interface Cable for FIF-12	\$ 40.00
	X				AAA21X001	CT-68 Duplexer Installation Kit	\$ 63.00
		X			AAH43X001	CT-151 Programming cable rear accessory connector	\$ 47.00
	X	X			AAJ06X001	FRB-6 Tuning Interface (Requires Connection Cable)	\$ 340.00
	X	X			AAJ07X001	CT-159 Connection Cable (Requires FRB-6)	\$ 58.34
	X	X			AAJ23X001	FIF-12 USB Interface for PC programming. Check specific models for additional	\$ 150.00
X	X	X			A06420002	VX VPL-1 Programming cable from PC. Check specific models for additional cable	\$ 87.00
Remote Cable							
X					AAD60X001	CT-103 Cable for connection to tone panel	\$ 99.00
RF Power Amplifiers							
		X			AAE21U001	VPA-9000UD Power amplifier kit, UHF 450-490MHz (FOR 100 WATT OPTION	\$ 1,890.00
		X			AAE21N001	VPA-9000VC Power amplifier kit, VHF 148-174MHz (FOR 100 WATT OPTION	\$ 1,840.00
Signaling							
		X			A12760001	FVP-25 Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if	\$ 60.00
		X			AAF39X001	FVP-35 Plug-in Rolling Code Encryption. Requires FIF-7 if installed into the VX-4000	\$ 346.00
Speaker							
X					A09260003	MLS-100 External Speaker (12 Watt Peak)	\$ 62.00
X					AAD49X001	MLS-200 Waterproof External Speaker (12 Watt Peak)	\$ 80.00

**Vertex Standard
Legacy Model Accessories**

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Date #####

MSRP

VX-100	VX-160	VX-180	VX-210A	VX-231	VX-350	VX-410	VX-400A	VX-500	VX-510	VX-600	VX-800	VX-900	VX-2000	VX-2500	VX-3000	VX-4000	VX-4100	VX-4200	VX-1210	VXD-770	VXD-7200	Model Number	Description	MSRP	
																							Headsets and Surveillance		
																							XUOTT0001	VH-110 Heavy Duty Headset	\$ 540.00
																							AAAG3X002	VH-110S Over-Head, Heavy Duty Headset	\$ 540.00
X	X	X	X	X	X	X	X																AAG48X001	VH-115S Lightweight Headset w/ Boom	\$ 55.00
																							AAL40X001	VH-150A IS Lightweight behind-the-head VOX headset	\$ 70.00
																							AAL41X001	VH-150B IS Lightweight over-the-head VOX headset	\$ 80.00
																							AAL82X001	MH-100 3.5MM EARPIECE for RSM Audio Jack	\$ 19.00
																							AAL83X001	MH-101A4B 1 Wire Surveillance Kit	\$ 40.00
																							AAL84X001	MH-102A4B 2 Wire Surveillance Kit	\$ 55.00
																							AAK50X001	MH-37A4B-1 Earpiece Microphone Single Wire Surveillance Kit	\$ 40.00
																							XUOTT0002	VH-120 3 Wire	\$ 185.00
																							AAAG2X002	VH-120S Earpiece Mic w/ Palm PTT	\$ 220.00
																							AAAG1X003	VH-130S Earpiece Mic w/ Palm PTT	\$ 150.00
X	X	X	X	X	X	X	X																AAG48X001	VH-215S Lightweight Padded Headset, Single Speaker	\$ 121.00
																							Microphone		
																							MD-125AJ	Desktop Microphone	\$ 102.00
																							AAE60X102	Standard Microphone	\$ 40.00
																							AAG22X101	MH-75A8J DTMF Microphone	\$ 55.00
																							AAB02X007	MH-53A8A Heavy Duty Weatherproof Noise Canceling DTMF Microphone (for use with CNT-5000)	\$ 149.00
																							AAB02X006	MH-53C7A Heavy Duty Microphone	\$ 105.00
																							A08420002	CN-2 SMA TO BNC Adapter	\$ 42.00
																							AAH36X001	CT-149 Mobile Rear Accy Connector Universal Cable	\$ 30.00
																							AAH30X001	DTT-1 desktop tray	\$ 49.58
																							Mounting Bracket		
																							AAAB26X001	MMB-75 Mobile Mounting Bracket	\$ 25.00
																							AAAB72X001	MMB-76 Locking Mobile Mounting Bracket	\$ 75.00
																							AAAD48X001	MMB-85 Quick Release Mobile Bracket for VX-4100/4200	\$ 75.00
																							AAAH31X001	MMB-93 Bracket (Low Profile)	\$ 19.17
																							AAAH32X001	MMB-94 Bracket (High Profile)	\$ 25.00
																							AAAH34X001	MMB-96 Bracket (In dash (DIN))	\$ 35.00
																							AAAH30X001	E-DC-26 Power supply cable	\$ 25.00
																							Programming and Installation		
																							AAAD60X002	CT-10AA Interface Cable for FIF-12	\$ 40.00
																							T0101411	CT-4 Radio Cloning Cable	\$ 27.62
																							AAD67X001	CT-105 FIF-12 interface cable	\$ 60.00
																							AAAG3X001	SVC-1200 Service Kit for the VX-1210 (programming and alignment)	\$ 230.00
																							AAAC92X001	CT-92 FIF-8 cable to the Mobiles. Used for updating firmware using the	\$ 23.00
																							AAAD88X001	CT-106 - FIF-12 to VX-160/180/410/420/450 Cable	\$ 40.00
																							XURTS0008	CT-27A Radio to radio cloning cable	\$ 14.00
																							AAAC5X001	CT-88 The CT-88 cable is used in conjunction with the FIF-8 box to make	\$ 55.00
																							AAAH2X001	CT-150 Programming cable rear accessory connector	\$ 45.00
																							AAAH3X001	CT-151 Programming cable rear accessory connector	\$ 47.00
																							AAAH84X001	CT-154 VXD Mobile Front Programming Cable	\$ 45.00
																							AAAJ06X001	FRB-6 Tuning Interface (Requires Connection Cable)	\$ 340.00
																							AAJ08X001	CT-160 Connection Cable 4-Pin Mic Jack (Use with FRB-6)	\$ 55.00
																							AAAC49X002	FIF-7A Interface Board	\$ 37.00
																							A06420002	VX VPL-1 Programming cable from PC. Check specific models for additional cable pigtails	\$ 87.00
																							AAJ23X001	FIF-12 USB Interface for PC programming. Check specific models for additional cable pigtails. Pigtails not included.	\$ 150.00
																							Remote Cable		
																							AAAC04X001	CT-81 Remote Cable for RMK-4000 series (20 ft) (RF Deck to Control Head)	\$ 90.00
																							AAAC05X001	CT-82 Remote Cable for RMK-4000 series (8 ft) (RF Deck to Control Head)	\$ 80.00
																							AAAC06X001	CT-83 Remote Cable for RMK-4000 series (2 ft) (RF Deck to RF Deck)	\$ 70.00
																							AAD07X001	CT-93 Remote Cable for RMK-4000 series (30 ft) (RF Deck to Control Head)	\$ 96.34
																							Signaling		
																							AAAD51X001	DVS-5 Digital Voice Storage Board (120 sec. max.)	\$ 50.00
																							A12760001	FVP-25 Encryption Unit (Band Inversion Type) and DTMF Paging. (requires FIF-7 if installed into the VX-4000 / VX-5500 / VX-6000)	\$ 60.00
																							AAF39X001	FVP-35 Plug-in Rolling Code Encryption. Requires FIF-7 if installed into the VX-4000 / VX-5500 / VX-6000. Requires VX MPI for programming	\$ 346.00
																							A12760003	FVP-36 Encryption Unit (Band Inversion Type)	\$ 40.00
																							XUCMR0002	VMDE-200 Board for MDC1200 Encode/Decode	\$ 127.79
																							XUCMR0003	VMDE-100 Board for MDC1200 Digital ANI	\$ 69.31
																							Speaker		
																							AAAD920003	MLS-100 External Speaker (12 Watt Peak)	\$ 62.00
																							AAD48X001	MLS-200 Waterproof External Speaker (12 Watt Peak)	\$ 80.00
																							Speaker Microphones		
																							AAAF75X003	MH-50C7A Microphone with toggle switch	\$ 94.00
X	X	X	X	X	X	X	X																AAAF52X001	MH-360S Compact Speaker Microphone for VX-210A, VX-160, VX-180 & VX-450. Very similar to the MH-34D4B.	\$ 21.00
X	X	X	X	X	X	X	X																AAAF53X001	MH-450S Medium-Duty Speaker Microphone w/ Lapel Clip and 3.5mm Ear Phone Jack	\$ 26.67
X	X	X	X	X	X	X	X																A13960007	MH-45B4B Noise Cancelling Speaker Microphone	\$ 82.00

**Vertex Standard
Pending Obsolete Accessories**

MSRP

Model Number	Description	MSRP
VX-130		
VX-160		
VX-180		
VX-210A		
VX-231		
VX-350		
VX-400		
VX-410/420		
VX-420A		
VX-450/450IS		
VX-500/510/520/D/530		
VX-600		
VX-800		
VX-900		
VX-820/920/P820/P920		
VXD-720		
VX-3200		
VX-4000		
VX-4100/4200		
VX-5500/6000		
BSC-5000		
VX-1210		
VX-1700		
EVX-530/530IS		
Alkaline Battery Cases		
XUZZ0139	FBA-19 Alkaline Battery Case	\$ 39.00
Batteries		
AAE78X001	FNB-V92LI BAT 7.4V 3000MAH	\$ 148.33
AAB06X002	FNB-V69LI 2400MAH NIMH Battery	\$ 126.00
A14150001	FNB-V62LI 2000MAH LIION Battery	\$ 64.00
AAC42X002	FNB-V69LI IS 2400MAH NIMH Battery	\$ 126.00
AAA86X001	FNB-V66LI Battery	\$ 490.00
AAB05X002	FNB-V68LI Battery	\$ 85.00
Cases		
AAH24X001	CSC-96 Nylon carry case	\$ 31.67
AAA57X001	CSC-78 Shoulder Bag	\$ 350.00
Charger		
AAA85X004	PA-26B AC Adapter	\$ 109.08
AAF47X001	DCM-1 Desktop Charger Mounting Adapter (for VAC-300)	\$ 8.00
Headsets and Surveillance		
AAG21X001	VH-121 3 Wire Mini Lapel Mic Surveillance Kit	\$ 215.00
XUOTT0006	VH-131 2 Wire Palm Kit	\$ 187.00
XUOTT0003	VH-130 2 Wire	\$ 157.00
Microphone		
AAB02X005	MH-53B7A Noise-Canceling Microphone with DTMF keypad	\$ 163.00
A13600001	MH-34D4B Microphone	\$ 53.00
XUAAF13X00101	MD-12A&J Desktop Microphone w/ Multi Pin Plug	\$ 114.00
A08180003	MD-11B&J Base Station mic	\$ 195.00
Misc		
AAD80X001	FAN-1 Optional cooling fan	\$ 90.00
AAE68X001	MHG-1 Carry Handle	\$ 15.00
Programming and Installation		
AAB70X001	CN-6 Interface for third-party accessory boards	\$ 16.00
AAC46X001	FIF-8A Interface Flash ROM Writer	\$ 188.00
AAF26X001	CT-124A Flash lead for FIF-8	\$ 60.00
AAE27X001	CT-115 Programming Cable Only (Requires VPL-1)	\$ 63.00
AAD94X001	CT-110 Firmware writing cable (For use with the FIF-8)	\$ 65.00
Signaling		
AAA88X001	DSV-1200 D-Sub 9 accessory connector add on	\$ 20.00
A12770001	2 Tone Decode Unit	\$ 37.79
Speaker Microphone		
AAA75X002	MH-50B7A Speaker Microphone	\$ 100.00

Effective upon depletion of inventory the accessories listed on this page will no longer be available for purchase from Vertex Standard. There is a limited quantity available in the distribution center for purchase, and will be sold on a first come, first serve basis. For questions, please contact Customer Support.



ORIGINAL
BID - Invitation For Bid
Two-Way Radio Equipment & Services

BID Effective Date:

11/08/2016

Bid Invitation Number:

6100039075

Issuing Office:

Thomas Schwartz
 Commonwealth of Pennsylvania
 US

Supplier Name/Address:

Your SAP Vendor Number with us: _____

Please Return Quotation to:

Commonwealth of Pennsylvania
 US

Type of Security furnished if required:

- Certified bank cashier's check
- Irrevocable letter of credit
- Certificate of deposit
- Other as specified by bid
- Bond - If annual bond:

What is the name of the principal on the bond? _____

Return Bid by:

Bid Ending Date:
 12/02/2016

Bid Ending Time:
 12:00:00

Expiration Date of Contract (if applicable)

Delivery Date:
 See Items

Please Deliver To:

Procurement Contact:

Buyer: Thomas Schwartz
 Phone:
 Fax:

This Invitation For Bids is comprised of: Part I, General Information; Part II, Bid Requirements; Part III, Criteria For Selection; Part IV, IFB Specifications; Part V, Contract Clauses; any documents attached to this Invitation For Bids or incorporated by reference; and any addenda issued by the Issuing Office prior to Bid Opening.

Supplier's Signature _____ Title _____
 Printed Name _____ Date _____

The Bidder has completed and submitted this Bid in accordance with the instructions and requirements and terms and conditions of the Invitation For Bid. The Bidder has attached documents that are required to be submitted with this Bid and those attachments are incorporated by reference and made a part of this Bid. The Bidder, intending to be legally bound hereby, offers and agrees, if this Bid is accepted, to provide the awarded items at the price(s) set forth in this Bid at the time(s) and place(s) specified.

Item	Material/Service Desc	Qty	UOM	Unit Price	Total Line Item Price
1	Two-way Radio Equipment	1.000	Each	\$ _____	\$ _____

General Requirements for all Items:

Header Text
 Addendum #1 posted 11/17/16
 Addendum #2 posted 11/18/16
 Addendum #3 posted 11/23/16
 Addendum #4 posted 11/29/16

ALL PRICES ARE F.O.B. DESTINATIONS

List of Items Continued on Following Page



ORIGINAL
BID - Invitation For Bid
Two-Way Radio Equipment & Services
Original Approval Date: 11/08/2016

Page 3 of 3

Supplier Name: _____

*** Attributes Page ***

*** No further information for this bid ***

Mandatory QUESTION #02 - Is the offer in accordance with the "Representations and Authorizations" listed in section "Submission – 001.1" of the attached solicitation document?

Response:

Mandatory QUESTION #01 - Has the submitter read, and does the submitter understand, the "Representations and Authorizations" listed in section "Submission – 001.1" of the attached solicitation document?

Response:

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PART I - GENERAL INFORMATION

PART I - GENERAL INFORMATION

I.1 IFB-001.1 Purpose (Oct 2006)

The Commonwealth of Pennsylvania (Commonwealth) is issuing this Invitation for Bids (IFB) to meet the needs of OFFICE OF ADMINISTRATION to satisfy a need for TWO-WAY RADIO EQUIPMENT & SERVICES.

I.2 IFB-005.1 Type of Contract (Oct. 2006)

If the Issuing Office enters into a contract as a result of this IFB, it will be a Established Price Contract contract containing the Contract Terms and Conditions as shown in Part V of this IFB.

I.3 IFB-008.1C No Pre-bid Conference (Oct. 2006)

There will be no pre-bid conference for this IFB. If there are any questions, please forward them to the Issuing Office prior to the bid opening date and time.

I.4 IFB-009.1 Questions (February 2012)

All questions regarding the IFB must be submitted in writing to the email address of the Issuing Officer provided in the solicitation. While there is no set timeline for the submittal of questions, questions received within 48 hours prior to the bid due date and time will be answered at the discretion of the Commonwealth. All questions received will be answered, in writing, and such responses shall be posted to eMarketplace as an addendum to the IFB. The Issuing Officer shall not be bound by any verbal information nor shall it be bound by any written information that is not either contained within the IFB or formally issued as an addendum by the Issuing Office. The Issuing Office does not consider questions to be a protest of the specifications or of the solicitation.

I.5 IFB-010.1 Addenda to the IFB (Oct. 2006)

If the Issuing Office deems it necessary to revise any part of this IFB before the bid response date, the Issuing Office will post an addendum to its website at [HTTP://WWW.OA.PA.GOV](http://WWW.OA.PA.GOV) it is the Bidder's responsibility to periodically check the website for any new information or addenda to the IFB.

I.6 IFB-011.1B Submission of Bids – Electronic Submittal (May 2011)

- a. Bids are requested for the item(s) described in the Invitation For Bids and all the documents referenced in the form (collectively called the IFB). Bidders must submit their bids through the Commonwealth's electronic system (SRM).
- b. It is the responsibility of each bidder to ensure that its Bid is received through the electronic system prior to the date and time set for the opening of bids ("Bid Opening Time"). No Bid shall be considered if it arrives after the Bid Opening Time, regardless of reason for the late arrival.

Bids that are timely received prior to the Bid Opening Time shall be opened publicly in the presence of one or more witnesses at the time and place designated in this IFB for the Bid opening.

- c. Bids must be firm. If a Bid is submitted with conditions or exceptions or not in conformance with the terms

and conditions referenced in the IFB Form, it shall be rejected. The Bid shall also be rejected if the items offered by the Bidder are not in conformance with the specifications as determined by the Commonwealth.

d. The Bidder, intending to be legally bound hereby, offers and agrees, if this Bid is accepted, to provide the awarded items at the price(s) set forth in this Bid at the time(s) and place(s) specified.

I.7 IFB-024.1 Bid Protest Procedure (April 2016)

The Bid Protest Procedure is on the DGS website at

<http://www.dgs.pa.gov/Documents/Procurement%20Forms/Handbook/Pt1/Pt%20I%20Ch%2058%20Bid%20Protests.pdf>

I.8 IFB-025.1 Electronic Version of this IFB (Oct 2006)

This IFB is being made available by electronic means. If a Bidder electronically accepts the IFB, the Bidder acknowledges and accepts full responsibility to insure that no changes are made to the IFB. In the event of a conflict between a version of the IFB in the Bidder's possession and the Issuing Office's version of the IFB, the Issuing Office's version shall govern.

I.9 IFB-027.1 COSTARS Program (April 2016)

COSTARS Purchasers. Section 1902 of the Commonwealth Procurement Code, 62 Pa.C.S. § 1902 (“Section 1902”), authorizes local public procurement units and state-affiliated entities (together, “COSTARS Members”) to participate in Commonwealth procurement contracts that the Department of General Services (“DGS”) may choose to make available to COSTARS Members. DGS has identified this Contract as one which will be made available for COSTARS Members’ participation.

A. Only those entities registered with DGS are authorized to participate as COSTARS Members in this Contract. A COSTARS Member may be either a local public procurement unit or a state-affiliated entity.

1. A “local public procurement unit” is:

- Any political subdivision (local government unit), such as a municipality, school district, or commission;
- Any public authority (including authorities formed under the Municipality Authorities Act of 1955 or other authorizing legislation, such as the Public Transportation Law or the Aviation Code);
- Any tax-exempt, nonprofit educational institution or organization;
- Any tax-exempt, nonprofit public health institution or organization;
- Any nonprofit fire, rescue, or ambulance company; and
- Any other entity that spends public funds for the procurement of supplies, services, and construction (such as a council of governments, an area government, or an organization that receives public grant funds).

The Department reserves the right to review and determine eligible applicants as Local Public Procurement Units on a case-by-case basis.

2. A state-affiliated entity is a Commonwealth authority or other Commonwealth entity that is not a Commonwealth agency. The term includes:

- The Pennsylvania Turnpike Commission;
- The Pennsylvania Housing Finance Agency;
- The Pennsylvania Municipal Retirement System;
- The Pennsylvania Infrastructure Investment Authority;

- The State Public School Building Authority;
- The Pennsylvania Higher Education Facilities Authority, and
- The State System of Higher Education.

3. A complete list of local public procurement units and state-affiliated entities that have registered with DGS and that are authorized to procure items from the Contract can be found at <http://www.costars.state.pa.us/SearchCOMember.aspx>

B. COSTARS Members have the option to purchase from this Contract, from any DGS contract established exclusively for COSTARS Members in accordance with the requirements of Section 1902, from any other cooperative procurement contracts, or from their own procurement contracts established in accordance with the applicable laws governing such procurements. The Contractor understands and acknowledges that there is no guarantee that a COSTARS Member will place an order under this Contract, and that the decision to procure from this Contract is within the sole discretion of each COSTARS Member.

C. DGS is acting as a facilitator for COSTARS Members who may wish to purchase under this Contract. COSTARS Members that participate in this Contract and issue purchase orders (“POs”) to Contractors are third party beneficiaries who have the right to sue and be sued for breach of this Contract without joining the Commonwealth or DGS as a party. The Commonwealth will not intervene in any action between a Contractor and a COSTARS Member unless substantial interests of the Commonwealth are involved.

D. COSTARS Members electing to participate in this Contract will order items directly from the Contractor and be responsible for payment directly to the Contractor.

E. Those Contractors electing to permit COSTARS Members to procure from this Contract shall pay the Required Administrative Fee applicable to the Contractor’s classification:

Contractor Classification	Required Administrative Fee
Department of General Services Self-Certified Small Business Bidder	\$500
All Other Bidders	\$1,500

1. Each bidder electing to permit COSTARS Members to participate in the Contract must submit the COSTARS Program Election to Participate form with its bid submittal and pay the applicable Administrative Fee upon Contract award in order to sell the awarded items/services to COSTARS Members. If the bidder is a Department of General Services Self-Certified Small Business, a copy of its active Small Business Procurement Initiative (SBPI) certificate must be included with the bid submittal.

2. At the beginning of each Contract year and upon any Contract renewal, the Contractor shall submit a check for the required amount, payable to “Commonwealth of PA”. The Contractor must pay the Administrative Fee at each contract renewal date to continue to sell the awarded items/services to COSTARS Members. If the bidder is a Department of General Services Self-Certified Small Business, a copy of its active SBPI certificate must be included with the Administrative Fee for each contract year and upon each renewal.

F. DGS has registered the COSTARS name and logo (together, the “COSTARS Brand”) as a trademark with the Pennsylvania Department of State. Therefore, the Contractor may use the COSTARS Brand only as permitted under in this Subsection.

1. The Contractor shall pay the Administrative Fee covering its participation in the program, including without limitation any use of the COSTARS Brand, for each year of the Contract period. The fee is payable upon Contract

award and prior to the renewal date for each succeeding Contract period.

2. DGS grants the Contractor a nonexclusive license to use the COSTARS Brand, subject to the following conditions:

a. The Contractor agrees not to transfer to any third party, including without limitation any of its subcontractors or suppliers, any privileges it may have to use the COSTARS Brand under this Contract.

b. The Contractor agrees not to use the COSTARS Brand to represent or imply any Commonwealth endorsement or approval of its products or services.

c. The Contractor is permitted to use the COSTARS Brand in broadcast, or Internet media solely in connection with this Contract and any other Contract with the Commonwealth under which it has agreed to make sales to COSTARS Purchasers. The Contractor may use the COSTARS Brand on business cards, brochures, and other print publications so long as the purpose is to identify the Contractor as a COSTARS vendor, and only so long as the required Contract fee is kept current.

d. Should this Contract terminate for any reason, the Contractor agrees promptly to remove the COSTARS Brand from any and all print and electronic media and to refrain from using the COSTARS Brand for any purpose whatsoever from the date of Contract termination forward.

e. The Contractor agrees to defend, indemnify, and hold harmless the Commonwealth of Pennsylvania and DGS from and against all claims, demands, liabilities, obligations, costs, and expenses of any nature whatsoever arising out of or based upon the Contractor's use of the COSTARS Brand.

f. The Contractor agrees it has no property rights in the use of the COSTARS Brand by virtue of this nonexclusive license. The Contractor expressly waives any claims, including without limitation due process claims that may otherwise be available under the law in the event of any dispute involving these terms of use.

G. The Contractor shall furnish to the DGS COSTARS Program Office a quarterly electronic Contract sales report detailing the previous quarter's Contract purchasing activity, using the form and in the format prescribed by DGS. The Contractor shall submit its completed quarterly report no later than the fifteenth calendar day of the succeeding Contract quarter.

1. The Contractor shall submit the reports via the web-based COSTARS Suppliers' Gateway at www.costars.state.pa.us . If a Contractor does not have access to the Internet, the Contractor shall send the reports, using the form and in the format prescribed by DGS, on compact disc via US Postal Service to the DGS COSTARS Program Office, Bureau of Procurement, 6th Floor Forum Place, 555 Walnut Street, Harrisburg, PA 17101-1914.

2. For each PO received, the Contractor shall include on the report the name and address of each COSTARS-Registered Purchaser that has used the Contract along with the sales date, and dollar volume of sales to the specific Purchaser for the reporting period.

3. DGS may suspend the Contractor's participation in the COSTARS Program for failure to provide the Quarterly Sales Report within the specified time.

H. Additional information regarding the COSTARS Program is available on the DGS COSTARS Website at www.costars.state.pa.us .

1. If the Contractor is aware of any qualified entity not currently registered and wishing to participate in the COSTARS Program, please refer the potential purchaser to the DGS COSTARS Website at www.costars.state.pa.us , where it may register by completing the online registration form and receiving DGS confirmation of its registration. To view a list of currently-registered COSTARS member entities, please visit the COSTARS website.

2. Direct all questions concerning the COSTARS Program to:

Department of General Services
COSTARS Program

555 Walnut Street, 6th Floor
Harrisburg, PA 17101
Telephone: 1-866-768-7827
E-mail GS-PACostars@state.pa.us

I.10 IFB-028.1 Participating Addendum with an External Procurement Activity (Dec 6 2006)

Section 1902 of the *Commonwealth Procurement Code*, 62 Pa.C.S. Section 1902, permits external procurement activities to participate in cooperative purchasing agreements for the procurement of services, supplies or construction.

a. **Definitions.** The following words and phrases have the meanings set forth in this provision:

- 1) *External procurement activity:* The term, as defined in 62 Pa. C. S. Section 1901, means a 'buying organization not located in the Commonwealth [of Pennsylvania] which if located in this Commonwealth would qualify as a public procurement unit [under 62 Pa. C.S. Section 1901]. An agency of the United States is an external procurement activity.'
- 2) *Participating addendum:* A bilateral agreement executed by the Contractor and an external procurement activity that clarifies the operation of the Contract for the external procurement activity concerned. The terms and conditions in any participating addendum shall affect only the procurements of the purchasing entities under the jurisdiction of the external procurement activity signing the participating addendum.
- 3) *Public procurement unit:* The term, as defined in 62 Pa. C. S. Section 1901, means a 'local public procurement unit or purchasing agency.'
- 4) *Purchasing agency:* The term, as defined in 62 Pa. C. S. Section 103, means a 'Commonwealth agency authorized by this part or any other law to enter into contracts for itself or as the agent of another Commonwealth agency.'

b. **General.** A participating addendum shall incorporate the terms and conditions of the Contract resulting from this IFB. The Contractor shall not be required to enter into any participating addendum.

c. **Additional Terms.**

- 1) A participating addendum may include additional terms that are required by the law governing the external procurement activity.
- 2) A participating addendum may include new, mutually agreed upon terms that clarify ordering procedures specific to a participating external procurement activity.
- 3) The construction and effect of any participating addendum shall be governed by and construed in accordance with the laws governing the external procurement activity.
- 4) If an additional term requested by the external procurement activity will result in an increased cost to the Contractor, the Contractor shall adjust its pricing up or down accordingly.

d. **Prices.**

- 1) **Price adjustment** For any costs affecting the percent markup that the Contractor will or will not incur or that differ from costs incurred or not incurred in the fulfillment of this Contract, the Contractor shall adjust its pricing up or down accordingly. These costs may include, but not be limited to:
 - a) State and local taxes;
 - b) Unemployment and workers compensation fees;

- c) E-commerce transaction fees; and
 - d) Costs associated with additional terms, established pursuant to the Contract.
- 2) The Contractor's pricing for an external procurement activity shall be firm and fixed for the duration of the initial term of the Contract. After the initial term of the Contract, if the Contract is renewed, the Contractor's pricing may be adjusted up or down based on market conditions only with the mutual agreement of both the Contractor and any external procurement activity.

e. Usage Reports on External Procurement Activities.

The Contractor shall furnish to the Contracting Officer an electronic quarterly usage report, preferably in spreadsheet format no later than the fifteenth calendar day of the succeeding calendar quarter. Reports shall be e-mailed to the Contracting Officer for the Contract. Each report shall indicate the name and address of the Contractor, contract number, period covered by the report, the name of the external procurement activity that has used the Contract and the total volume of sales to the external procurement activity for the reporting period.

- f. Electronic Copy of Participating Addendum.** The Contractor, upon request of the Contracting Officer, shall submit **one** electronic copy of the participating addendum to the Contracting Officer within **ten** days after request.

I.11 IFB-029.1 Prices (Dec 6 2006)

The bid submitted by the successful Bidder will be incorporated into any resulting Contract and the Bidder will be required to provide the awarded item(s) at the prices quoted in its Bid.

I.12 IFB-030.1 Approved Equal (Nov 2006)

Whenever an item is defined in this IFB by trade name and catalogue number of a manufacturer or vendor, the term 'or approved equal,' if not inserted therewith shall be implied. Any reference to a particular manufacturer's product either by trade name or by limited description is solely for the purpose of more clearly indicating the minimum standard of quality desired, except where a 'no substitute' is requested. When a 'no substitute' is requested, the Issuing Office will consider Bids for the referenced product only. The term 'or approved equal' is defined as meaning any other make which, in the sole opinion of the Issuing Office, is of such character, quality, and performance equivalence as to meet the standard of quality of products specified for which it is to be used equally as well as that specified. A Bidder quoting on a product other than the referenced product shall: a) furnish complete identification in its Bid of the product it is offering by trade name, brand and/or model number; b) furnish descriptive literature and data with respect to the substitute product it proposes to furnish; and c) indicate any known specification deviations from the referenced product.

I.13 IFB-031.1 Alternates (Oct 2013)

A Bidder who wants to offer an alternate must notify the Issuing Office in writing, at least five (5) days prior to the scheduled Bid opening, that the Bidder intends to offer an alternate in its Bid. An "alternate" is a product that deviates from the requirements of the specifications in its composition, qualities, performance, size dimension, etc. The written notification from the Bidder must include a complete description of the alternate and must identify the product's deviations from the specifications. Upon receipt of the notification, the Issuing Office will determine whether the alternate is acceptable. If the Issuing Office, in its discretion, determines that the alternate is acceptable, the Issuing Office will issue a change notice to the invitation for bids that revises the specifications. If no change notice is issued revising the specification, a Bid offering the alternate will not be considered for award. If an item or items in the IFB are designated "no substitute," this provision does not apply and no alternate may be proposed by a bidder nor will any alternate be considered by the Issuing Office.

I.14 IFB-032.1 New Equipment (Nov 2006)

Unless otherwise specified in this invitation for bids, all products offered by Bidders must be new or remanufactured. A 'new' product is one that will be used first by the Commonwealth after it is manufactured or produced. A 'remanufactured' product is one which: 1) has been rebuilt, using new or used parts, to a condition which meets the original manufacturer's most recent specifications for the item; 2) does not, in the opinion of the Issuing Office, differ in appearance from a new item; and 3) has the same warranty as a new item. Unless otherwise specified in this invitation for bids, used or reconditioned products are not acceptable. This clause shall not be construed to prohibit Bidders from offering products with recycled content, provided the product is new or remanufactured.

I.15 I-IFB-033.1 Modification or Withdrawal of Bid (Nov 2006)

- a. Bid Modification Prior to Bid Opening. Bids may be modified only by written notice or in person prior to the exact hour and date specified for Bid opening.
- 1) If a Bidder intends to modify its Bid by written notice, the notice must specifically identify the Bid to be modified and must be signed by the Bidder. The Bidder must include evidence of authorization for the individual who signed the modification to modify the Bid on behalf of the Bidder. The Bid modification must be received in a sealed envelope. The sealed envelope must identify the assigned Collective Number and the Bid Opening Time, and should state that enclosed in the envelope is a Bid modification
 - 2) If a Bidder intends to modify its Bid in person, the individual who will modify the Bid must arrive in the Bid Opening Room prior to the Bid Opening Time, show a picture identification and provide evidence of his/her authorization to modify the Bid on behalf of the Bidder. If a Bidder intends to modify its Bid in person, the Bidder may do so only in the presence of an agency employee. (The agency employee will observe the actions taken by the individual to modify the Bid, but will not read the Bid or the modification).
- b. Bid Withdrawal Prior to Bid Opening. Bids may be withdrawn only by written notice or in person prior to the exact hour and date specified for Bid opening.
- 1) If a Bidder intends to withdraw its Bid by written notice, the notice shall specifically identify the Bid to be withdrawn and shall be signed by the Bidder. The Bidder must include evidence of authorization for the individual who signed the bid withdrawal to withdraw the bid on behalf of the Bidder. Except as provided in Subparagraph c, below, bid withdrawals received after the exact hour and date specified for the receipt of Bids shall not be accepted.
 - 2) If a Bidder intends to withdraw its Bid in person, the individual who will withdraw the Bid must arrive in the Bid Opening Room prior to the Bid Opening Time, show a picture identification and provide evidence of his/her authorization to withdraw the Bid on behalf of the Bidder.
- c. Bid Withdrawal After Bid Opening. Bidders are permitted to withdraw erroneous Bids after Bid opening only if the following conditions are met:
- 1) The Bidder submits a written request for withdrawal.
 - 2) The Bidder presents credible evidence with the request that the reason for the lower Bid price was a clerical mistake as opposed to a judgment mistake and was actually due to an unintentional arithmetical error or an unintentional omission of a substantial quantity of work, labor, material, or services made directly in the compilation of the Bid.
 - 3) The request for relief and supporting evidence must be received by the Issuing Office within three (3) business days after Bid opening, but before award of the contract.
 - 4) The Issuing Office shall not permit a Bid withdrawal if the Bid withdrawal would result in the award of the contract on another Bid of the same Bidder, its partner, or a corporation or business venture owned by or in

which the bidder has a substantial interest.

- 5) If a Bidder is permitted to withdraw its Bid, the Bidder cannot supply any material or labor or perform any subcontract or other work agreement for the awarded contractor, without the written approval of the Issuing Office.
- d. Firm Bid. Except as provided above, a Bid may not be modified, withdrawn, or cancelled by any Bidder for a period of sixty (60) days following the time and date designated for Bid opening, unless otherwise specified by the Bidder in its Bid. If the lowest responsible Bidder, as determined by the Issuing Office, withdraws its Bid prior to the expiration of the award period or fails to comply with the requirements set forth in the IFB including but not limited to any requirement to submit performance or payment bonds or insurance certificates within the required time period, the Bidder shall be liable to the Commonwealth for all costs and damages associated with the re-award or re-bid including the difference between the Bidder's price and the actual cost that the Commonwealth pays for the awarded items.
- e. Clarification and Additional Information. After the receipt of Bids, the Issuing Office shall have the right to contact Bidders for the purpose of seeking:
 - 1) Clarification of the Bid which confirms the Issuing Office's understanding of statements or information in the Bid or;
 - 2) Additional information on the items offered; provided the IFB does not require the rejection of the Bid for failure to include such information.

I.16 I-IFB-034.1 Rejection of Bids (Nov 2006)

The Issuing Office reserves the right to reject any and all Bids, to waive technical defects or any informality in Bids, and to accept or reject any part of any Bid if the best interests of the Commonwealth are thereby served.

I.17 Submission-001.1 Representations and Authorizations (Oct 2013)

By submitting its proposal, each Offeror understands, represents, and acknowledges that:

- A. All of the Offeror's information and representations in the proposal are material and important, and the Issuing Office may rely upon the contents of the proposal in awarding the contract(s). The Commonwealth shall treat any misstatement, omission or misrepresentation as fraudulent concealment of the true facts relating to the Proposal submission, punishable pursuant to 18 Pa. C.S. § 4904.
- B. The Offeror has arrived at the price(s) and amounts in its proposal independently and without consultation, communication, or agreement with any other Offeror or potential offeror.
- C. The Offeror has not disclosed the price(s), the amount of the proposal, nor the approximate price(s) or amount(s) of its proposal to any other firm or person who is an Offeror or potential offeror for this RFP, and the Offeror shall not disclose any of these items on or before the proposal submission deadline specified in the Calendar of Events of this RFP.
- D. The Offeror has not attempted, nor will it attempt, to induce any firm or person to refrain from submitting a proposal on this contract, or to submit a proposal higher than this proposal, or to submit any intentionally high or noncompetitive proposal or other form of complementary proposal.
- E. The Offeror makes its proposal in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive proposal.
- F. To the best knowledge of the person signing the proposal for the Offeror, the Offeror, its affiliates, subsidiaries, officers, directors, and employees are not currently under investigation by any governmental agency and have not in the last **four** years been convicted or found liable for any act prohibited by State or

Federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding or proposing on any public contract, except as the Offeror has disclosed in its proposal.

G. To the best of the knowledge of the person signing the proposal for the Offeror and except as the Offeror has otherwise disclosed in its proposal, the Offeror has no outstanding, delinquent obligations to the Commonwealth including, but not limited to, any state tax liability not being contested on appeal or other obligation of the Offeror that is owed to the Commonwealth.

H. The Offeror is not currently under suspension or debarment by the Commonwealth, any other state or the federal government, and if the Offeror cannot so certify, then it shall submit along with its proposal a written explanation of why it cannot make such certification.

I. The Offeror has not made, under separate contract with the Issuing Office, any recommendations to the Issuing Office concerning the need for the services described in its proposal or the specifications for the services described in the proposal.

J. Each Offeror, by submitting its proposal, authorizes Commonwealth agencies to release to the Commonwealth information concerning the Offeror's Pennsylvania taxes, unemployment compensation and workers' compensation liabilities.

K. Until the selected Offeror receives a fully executed and approved written contract from the Issuing Office, there is no legal and valid contract, in law or in equity, and the Offeror shall not begin to perform.

PART II - REQUIREMENTS

PART II - REQUIREMENTS

II.1 IFB-006.1b COSTARS Program Election to Participate (July 2012)

If the bidder is willing to sell the awarded items/services at the same prices and/or discounts, and in accordance with the contractual terms and conditions, to COSTARS members, the bidder should complete and return the COSTARS Program Election to Participate form which is an attachment to this IFB. If the bidder is asserting that it is a Department of General Services Certified Small Business, the bidder must submit its active certification with the bid response.

II.2 II-IFB-008.1b Lobbying Certification and Disclosure – Electronic Submission. (Oct 2006).

With respect to an award of a federal contract, grant, or cooperative agreement exceeding \$100,000 or an award of a federal loan or a commitment providing for the United States to insure or guarantee a loan exceeding \$150,000 all recipients must certify that they will not use federal funds for lobbying and must disclose the use of non-federal funds for lobbying by filing required documentation. Offerors must complete and return the Lobbying Certification Form and the Disclosure of Lobbying Activities Form, which are attached to and made a part of this IFB. The completed and signed Lobbying Certification Form and the Disclosure of Lobbying Activities Form should be submitted with the Bid Response. Commonwealth agencies will not contract with outside firms or individuals to perform lobbying services, regardless of the source of funds.

II.3 II-IFB-016.1 Post-Submission Descriptive Literature (Dec 2006)

The Commonwealth may, during its evaluation of the bids, require any bidder to submit cuts, illustrations, drawings, prints, test data sheets, specification sheets and brochures which detail construction features, design, components, materials used, applicable dimensions and any other pertinent information which the Issuing Office may require in order to evaluate the product(s) offered. The required information must be submitted within two (2) business days after notification from the Issuing Office. Failure to submit the required information prior to the expiration of the second business day after notification shall result in the rejection of the bid as non-responsive.

II.4 II-IFB-017.1b Reciprocal Limitations Act – Electronic Submittal (February 2007)

This procurement is subject to the Reciprocal Limitations Act. Bidders must complete and submit with the Bid Response the State of Manufacture Chart, which is contained in GSPUR-89 ("Reciprocal Limitations Act Requirements") which is attached to and made part of this IFB. The completed State of Manufacture Chart should be submitted as part of the Bid Response

PART III - SELECTION CRITERIA

PART III - SELECTION CRITERIA

III.1 III-IFB-001.1a Mandatory Responsiveness Requirements (Oct 2006)

To be eligible for selection, a bid must be:

- a. Timely received from a Bidder;
- b. Properly signed by the Bidder.

III.2 III-IFB-006.1f Method of Award - All Bidders (April 2011)

Award will be made to all responsive and responsible bidders.

III.3 III-IFB-007.1 Awards (May 2011)

Unless all Bids are rejected, and except as otherwise provided by law, award will be made through the issuance of a contract/purchase order in accordance with the method of award. Unless otherwise specified by the Issuing Office in the IFB form the Commonwealth reserves the right to award by item or on a total Bid basis, whichever is deemed more advantageous to the Commonwealth. In cases of discrepancies in prices, the unit price will be binding unless the unit price is obviously in error and the extended price is obviously correct, in which case the erroneous unit price will be corrected. As a condition for receipt of award of a contract/purchase order, the Bidder must be registered in the Commonwealth of Pennsylvania's Vendor Master file. In order to register, bidders must visit the Pa Supplier Portal at <https://www.pasupplierportal.state.pa.us/> or call the Customer Support Center at 877-435-7363 or 717-346-2676.

III.4 III-IFB-008.1 Tie Bids (Nov 2006)

All tie bids will be broken by the Issuing Office.

III.5 III-IFB-009.1 Prompt Payment Discounts (Nov 2006)

Prompt payment discounts will not be considered in making an award. If prompt payment discounts are offered by any Bidder, however, the Issuing Office will take advantage of such offer.

III.6 III-IFB-010.1 Option for Separate Competitive Bidding Procedure (Nov 2006)

The Commonwealth reserves the right to purchase products or services covered under this Contract through a separate competitive bidding procedure, whenever Commonwealth deems it in the best interest of the Commonwealth. The right will generally be exercised only when a specific need for a large quantity of the product or service exists or when the price offered is significantly lower than the Contract price.

III.7 III-IFB-014.1 Rebates (Nov 2006)

Any rebate applicable at the time of bid should be taken into consideration by the bidder in calculating its bid price. Bidders must specifically state in their bid proposal, when applicable, that rebates have been considered in arriving at the bid price. Following award, the Commonwealth will assign to the awarded bidder, any rebates which the bidder stated that he took into consideration. If the bidder fails to include such a statement, the Commonwealth will receive the full benefit of the manufacturer's rebate.

PART IV - WORK STATEMENT

PART IV - WORK STATEMENT

IV.1 IFB-001.1a Specifications (Nov 2006)

The Commonwealth is seeking bids to procure the item(s) set forth in the attached document entitled "Specifications."

PART V - CONTRACT TERMS and CONDITIONS

PART V - CONTRACT TERMS and CONDITIONS

V.1 CONTRACT-001.1b Contract Terms and Conditions (Nov 30, 2006)

The Contract with the awarded bidder (who shall become the "Contractor") shall include the following terms and conditions:

V.2 CONTRACT-002.1a Term of Contract – Contract (May 2012)

The initial term of the Contract shall be 03 year(s) and 00 month(s).

The term of the Contract shall commence on the Effective Date (as defined below) and shall end on the Expiration Date identified in the Contract, subject to the other provisions of the Contract.

The Effective Date shall be: a) the Effective Date printed on the Contract after the Contract has been fully executed by the Commonwealth (signed and approved as required by the Commonwealth contracting procedures) or b) the "Valid from" date printed on the Contract, whichever is later.

V.3 CONTRACT-002.2b Renewal of Contract Term – Mutual (Oct 2013)

The Contract may be mutually renewed for a maximum of 2 additional 1 year term(s), so long as the Commonwealth provides written notice to Contractor of its intention to extend the Contract by letter dated not less than 090 days prior to the expiration of the term of the agreement, or any extension thereof, and the Contractor consents to the renewal not less than 060 days prior to the expiration of the term of the agreement or any extension thereof. The renewal may be exercised as individual or multiple year terms(s). Any renewal will be under the same terms, covenants and conditions. No further document is required to be executed to renew the term of the contract.

V.4 CONTRACT-002.3 Extension of Contract Term (Nov 30 2006)

The Commonwealth reserves the right, upon notice to the Contractor, to extend any single term of the Contract for up to three (3) months upon the same terms and conditions.

V.5 CONTRACT-003.1a Signatures – Contract (July 2015)

The Contract shall not be a legally binding contract until the fully-executed Contract has been sent to the Contractor. No Commonwealth employee has the authority to verbally direct the commencement of any work or delivery of any supply under this Contract prior to the Effective Date. The Contractor hereby waives any claim or cause of action for any service or work performed prior to the Effective Date.

The Contract may be electronically signed by the Commonwealth. The electronically-printed name of the Purchasing Agent represents the signature of that individual who has the authority, on behalf of the Commonwealth, to bind the Commonwealth to the terms of the Contract. If the Contract output form does not have "Fully Executed" at the top of the first page and does not have the name of the Purchasing Agent printed in the appropriate box, the Contract has not been fully executed.

The fully-executed Contract may be sent to the Contractor electronically or through facsimile equipment. The electronic transmission of the Contract shall require acknowledgement of receipt of the transmission by the Contractor. Receipt of the electronic or facsimile transmission of the Contract shall constitute receipt of the fully-executed Contract.

The Commonwealth and the Contractor specifically agree as follows:

- a. No handwritten signature shall be required in order for the Contract to be legally enforceable.
- b. The parties agree that no writing shall be required in order to make the Contract legally binding, notwithstanding

contrary requirements in any law. The parties hereby agree not to contest the validity or enforceability of a genuine Contract or acknowledgement issued electronically under the provisions of a statute of frauds or any other applicable law relating to whether certain agreements be in writing and signed by the party bound thereby. Any genuine Contract or acknowledgement issued electronically, if introduced as evidence on paper in any judicial, arbitration, mediation, or administrative proceedings, will be admissible as between the parties to the same extent and under the same conditions as other business records originated and maintained in documentary form. Neither party shall contest the admissibility of copies of a genuine Contract or acknowledgements under either the business records exception to the hearsay rule or the best evidence rule on the basis that the Contract or acknowledgement were not in writing or signed by the parties. A Contract or acknowledgment shall be deemed to be genuine for all purposes if it is transmitted to the location designated for such documents.

c. Each party will immediately take steps to verify any document that appears to be obviously garbled in transmission or improperly formatted to include re-transmission of any such document if necessary.

V.6 CONTRACT-004.1a Definitions (Oct 2013)

As used in this Contract, these words shall have the following meanings:

a. Agency: The department, board, commission or other agency of the Commonwealth of Pennsylvania listed as the Purchasing Agency. If a COSTARS entity or external procurement activity has issued an order against this contract, that entity shall also be identified as "Agency".

b. Contracting Officer: The person authorized to administer this Contract for the Commonwealth and to make written determinations with respect to the Contract.

c. Days: Unless specifically indicated otherwise, days mean calendar days.

d. Developed Works or Developed Materials: All documents, sketches, drawings, designs, works, papers, files, reports, computer programs, computer documentation, data, records, software, samples or any other tangible material without limitation authored or prepared by Contractor as the work product covered in the scope of work for the Project.

e. Documentation: All materials required to support and convey information about the services required by this Contract. It includes, but is not necessarily restricted to, written reports and analyses, diagrams, maps, logical and physical designs, system designs, computer programs, flow charts, disks, and/or other machine-readable storage media.

f. Services: All Contractor activity necessary to satisfy the Contract.

V.7 CONTRACT-005.1a Purchase Orders (July 2015)

Commonwealth agencies may issue Purchase Orders against the Contract. These orders constitute the Contractor's authority to make delivery. All Purchase Orders received by the Contractor up to and including the expiration date of the Contract are acceptable and must be performed in accordance with the Contract. Each Purchase Order will be deemed to incorporate the terms and conditions set forth in the Contract.

Purchase Orders may be electronically signed by the Agency. The electronically-printed name of the purchaser represents the signature of that individual who has the authority, on behalf of the Commonwealth, to authorize the Contractor to proceed.

Purchase Orders may be issued electronically or through facsimile equipment. The electronic transmission of a purchase order shall require acknowledgement of receipt of the transmission by the Contractor. Receipt of the electronic or facsimile transmission of the Purchase Order shall constitute receipt of an order. Orders received by the Contractor after 4:00 p.m. will be considered received the following business day.

a. No handwritten signature shall be required in order for the Contract or Purchase Order to be legally enforceable.

b. The parties agree that no writing shall be required in order to make the Purchase Order legally binding. The parties hereby agree not to contest the validity or enforceability of a Purchase Order or acknowledgement issued electronically under the provisions of a statute of frauds or any other applicable law relating to whether certain

agreements be in writing and signed by the party bound thereby. Any Purchase Order or acknowledgement issued electronically, if introduced as evidence on paper in any judicial, arbitration, mediation, or administrative proceedings, will be admissible as between the parties to the same extent and under the same conditions as other business records originated and maintained in documentary form. Neither party shall contest the admissibility of copies of Purchase Orders or acknowledgements under either the business records exception to the hearsay rule or the best evidence rule on the basis that the Purchase Order or acknowledgement were not in writing or signed by the parties. A Purchase Order or acknowledgment shall be deemed to be genuine for all purposes if it is transmitted to the location designated for such documents.

c. Each party will immediately take steps to verify any document that appears to be obviously garbled in transmission or improperly formatted to include re-transmission of any such document if necessary.

Purchase Orders under ten thousand dollars (\$10,000) in total amount may also be made in person or by telephone using a Commonwealth Purchasing Card. When an order is placed by telephone, the Commonwealth agency shall provide the agency name, employee name, credit card number, and expiration date of the card. Contractors agree to accept payment through the use of the Commonwealth Purchasing Card.

V.8 CONTRACT-006.1 Independent Prime Contractor (Oct 2006)

In performing its obligations under the Contract, the Contractor will act as an independent contractor and not as an employee or agent of the Commonwealth. The Contractor will be responsible for all services in this Contract whether or not Contractor provides them directly. Further, the Contractor is the sole point of contact with regard to all contractual matters, including payment of any and all charges resulting from the Contract.

V.9 CONTRACT-007.01a Supplies Delivery (Nov 30 2006)

All item(s) shall be delivered F.O.B. Destination. The Contractor agrees to bear the risk of loss, injury, or destruction of the item(s) ordered prior to receipt of the items by the Commonwealth. Such loss, injury, or destruction shall not release the Contractor from any contractual obligations. Except as otherwise provided in this contract, all item(s) must be delivered within the time period specified. Time is of the essence and, in addition to any other remedies, the Contract is subject to termination for failure to deliver as specified. Unless otherwise stated in this Contract, delivery must be made within thirty (30) days after the Effective Date.

V.10 CONTRACT-007.02 Estimated Quantities (Nov 30 2006)

It shall be understood and agreed that any quantities listed in the Contract are estimated only and may be increased or decreased in accordance with the actual requirements of the Commonwealth and that the Commonwealth in accepting any bid or portion thereof, contracts only and agrees to purchase only the materials and services in such quantities as represent the actual requirements of the Commonwealth. The Commonwealth reserves the right to purchase materials and services covered under the Contract through a separate competitive procurement procedure, whenever Commonwealth deems it to be in its best interest.

V.11 CONTRACT-008.1a Warranty. (Oct 2006)

The Contractor warrants that all items furnished and all services performed by the Contractor, its agents and subcontractors shall be free and clear of any defects in workmanship or materials. Unless otherwise stated in the Contract, all items are warranted for a period of one year following delivery by the Contractor and acceptance by the Commonwealth. The Contractor shall repair, replace or otherwise correct any problem with the delivered item. When an item is replaced, it shall be replaced with an item of equivalent or superior quality without any additional cost to the Commonwealth.

V.12 CONTRACT-009.1c Patent, Copyright, and Trademark Indemnity (Oct 2013)

The Contractor warrants that it is the sole owner or author of, or has entered into a suitable legal agreement concerning either: a) the design of any product or process provided or used in the performance of the Contract which

is covered by a patent, copyright, or trademark registration or other right duly authorized by state or federal law or b) any copyrighted matter in any report, document or other material provided to the Commonwealth under the contract.

The Contractor shall defend any suit or proceeding brought against the Commonwealth on account of any alleged patent, copyright or trademark infringement in the United States of any of the products provided or used in the performance of the Contract.

This is upon condition that the Commonwealth shall provide prompt notification in writing of such suit or proceeding; full right, authorization and opportunity to conduct the defense thereof; and full information and all reasonable cooperation for the defense of same.

As principles of governmental or public law are involved, the Commonwealth may participate in or choose to conduct, in its sole discretion, the defense of any such action.

If information and assistance are furnished by the Commonwealth at the Contractor's written request, it shall be at the Contractor's expense, but the responsibility for such expense shall be only that within the Contractor's written authorization.

The Contractor shall indemnify and hold the Commonwealth harmless from all damages, costs, and expenses, including attorney's fees that the Contractor or the Commonwealth may pay or incur by reason of any infringement or violation of the rights occurring to any holder of copyright, trademark, or patent interests and rights in any products provided or used in the performance of the Contract.

If any of the products provided by the Contractor in such suit or proceeding are held to constitute infringement and the use is enjoined, the Contractor shall, at its own expense and at its option, either procure the right to continue use of such infringement products, replace them with non-infringement equal performance products or modify them so that they are no longer infringing.

If the Contractor is unable to do any of the preceding, the Contractor agrees to remove all the equipment or software which are obtained contemporaneously with the infringing product, or, at the option of the Commonwealth, only those items of equipment or software which are held to be infringing, and to pay the Commonwealth: 1) any amounts paid by the Commonwealth towards the purchase of the product, less straight line depreciation; 2) any license fee paid by the Commonwealth for the use of any software, less an amount for the period of usage; and 3) the pro rata portion of any maintenance fee representing the time remaining in any period of maintenance paid for. The obligations of the Contractor under this paragraph continue without time limit. No costs or expenses shall be incurred for the account of the Contractor without its written consent.

V.13 CONTRACT-009.1d Ownership Rights (Oct 2006)

The Commonwealth shall have unrestricted authority to reproduce, distribute, and use any submitted report, data, or material, and any software or modifications and any associated documentation that is designed or developed and delivered to the Commonwealth as part of the performance of the Contract.

V.14 CONTRACT-010.1a Acceptance (Oct 2006)

No item(s) received by the Commonwealth shall be deemed accepted until the Commonwealth has had a reasonable opportunity to inspect the item(s). Any item(s) which is discovered to be defective or fails to conform to the specifications may be rejected upon initial inspection or at any later time if the defects contained in the item(s) or the noncompliance with the specifications were not reasonably ascertainable upon the initial inspection. It shall thereupon become the duty of the Contractor to remove rejected item(s) from the premises without expense to the Commonwealth within fifteen (15) days after notification. Rejected item(s) left longer than fifteen (15) days will be regarded as abandoned, and the Commonwealth shall have the right to dispose of them as its own property and shall retain that portion of the proceeds of any sale which represents the Commonwealth's costs and expenses in regard to the storage and sale of the item(s). Upon notice of rejection, the Contractor shall immediately replace all such rejected item(s) with others conforming to the specifications and which are not defective. If the Contractor fails, neglects or refuses to do so, the Commonwealth shall then have the right to procure a corresponding quantity of such

item(s), and deduct from any monies due or that may thereafter become due to the Contractor, the difference between the price stated in the Contract and the cost thereof to the Commonwealth.

V.15 CONTRACT-010.2 Product Conformance (March 2012)

The Commonwealth reserves the right to require any and all Contractors to:

1. Provide certified data from laboratory testing performed by the Contractor, or performed by an independent laboratory, as specified by the Commonwealth.
2. Supply published manufacturer product documentation.
3. Permit a Commonwealth representative to witness testing at the Contractor's location or at an independent laboratory.
4. Complete a survey/questionnaire relating to the bid requirements and specifications.
5. Provide customer references.
6. Provide a product demonstration at a location near Harrisburg or the using agency location.

V.16 CONTRACT-010.3 Rejected Material Not Considered Abandoned (March 2012)

The Commonwealth shall have the right to not regard any rejected material as abandoned and to demand that the Contractor remove the rejected material from the premises within thirty (30) days of notification. The Contractor shall be responsible for removal of the rejected material as well as proper clean-up. If the Contractor fails or refuses to remove the rejected material as demanded by the Commonwealth, the Commonwealth may seek payment from, or set-off from any payments due to the Contractor under this or any other Contract with the Commonwealth, the costs of removal and clean-up. This is in addition to all other rights to recover costs incurred by the Commonwealth.

V.17 CONTRACT-011.1a Compliance With Law (Oct 2006)

The Contractor shall comply with all applicable federal and state laws and regulations and local ordinances in the performance of the Contract.

V.18 CONTRACT-013.1 Environmental Provisions (Oct 2006)

In the performance of the Contract, the Contractor shall minimize pollution and shall strictly comply with all applicable environmental laws and regulations, including, but not limited to: the Clean Streams Law Act of June 22, 1937 (P.L. 1987, No. 394), as amended 35 P.S. Section 691.601 et seq.; the Pennsylvania Solid Waste Management Act, Act of July 7, 1980 (P.L. 380, No. 97), as amended, 35 P.S. Section 6018.101 et seq. ; and the Dam Safety and Encroachment Act, Act of November 26, 1978 (P.L. 1375, No. 325), as amended , 32 P.S. Section 693.1.

V.19 CONTRACT-014.1 Post-Consumer Recycled Content (Oct 2013)

Except as specifically waived by the Department of General Services in writing, any products which are provided to the Commonwealth as a part of the performance of the Contract must meet the minimum percentage levels for total recycled content as specified by the Environmental Protection Agency in its Comprehensive Procurement Guidelines, which can be found at <http://www.epa.gov/epawaste/consERVE/tools/cpg/index.htm> .

V.20 CONTRACT-014.3 Recycled Content Enforcement (February 2012)

The Contractor may be required, after delivery of the Contract item(s), to provide the Commonwealth with documentary evidence that the item(s) was in fact produced with the required minimum percentage of post-consumer and recovered material content.

V.21 CONTRACT-015.1 Compensation (Oct 2006)

The Contractor shall be required to furnish the awarded item(s) at the price(s) quoted in the Purchase Order. All item(s) shall be delivered within the time period(s) specified in the Purchase Order. The Contractor shall be compensated only for item(s) that are delivered and accepted by the Commonwealth.

V.22 CONTRACT-015.2 Billing Requirements (February 2012)

Unless the Contractor has been authorized by the Commonwealth for Evaluated Receipt Settlement or Vendor Self-Invoicing , the Contractor shall include in all of its invoices the following minimum information:

- Vendor name and "Remit to" address, including SAP Vendor number;
- Bank routing information, if ACH;
- SAP Purchase Order number;
- Delivery Address, including name of Commonwealth agency;
- Description of the supplies/services delivered in accordance with SAP Purchase Order (include purchase order line number if possible);
- Quantity provided;
- Unit price;
- Price extension;
- Total price; and
- Delivery date of supplies or services.

If an invoice does not contain the minimum information set forth in this paragraph, the Commonwealth may return the invoice as improper. If the Commonwealth returns an invoice as improper, the time for processing a payment will be suspended until the Commonwealth receives a correct invoice. The Contractor may not receive payment until the Commonwealth has received a correct invoice.

Contractors are required to establish separate billing accounts with each using agency and invoice them directly. Each invoice shall be itemized with adequate detail and match the line item on the Purchase Order. In no instance shall any payment be made for services to the Contractor that are not in accordance with the prices on the Purchase Order, the Contract, updated price lists or any discounts negotiated by the purchasing agency.

V.23 CONTRACT-016.1 Payment (Oct 2006)

- a. The Commonwealth shall put forth reasonable efforts to make payment by the required payment date. The required payment date is: (a) the date on which payment is due under the terms of the Contract; (b) thirty (30) days after a proper invoice actually is received at the "Bill To" address if a date on which payment is due is not specified in the Contract (a "proper" invoice is not received until the Commonwealth accepts the service as satisfactorily performed); or (c) the payment date specified on the invoice if later than the dates established by (a) and (b) above. Payment may be delayed if the payment amount on an invoice is not based upon the price(s) as stated in the Contract. If any payment is not made within fifteen (15) days after the required payment date, the Commonwealth may pay interest as determined by the Secretary of Budget in accordance with Act No. 266 of 1982 and regulations promulgated pursuant thereto. Payment should not be construed by the Contractor as acceptance of the service performed by the Contractor. The Commonwealth reserves the right to conduct further testing and inspection after payment, but within a reasonable time after performance, and to reject the service if such post payment testing or inspection discloses a defect or a failure to meet specifications. The Contractor agrees that the Commonwealth may set off the amount of any state tax liability or other obligation of the Contractor or its subsidiaries to the Commonwealth against any payments due the Contractor under any contract

with the Commonwealth.

- b. The Commonwealth shall have the option of using the Commonwealth purchasing card to make purchases under the Contract or Purchase Order. The Commonwealth's purchasing card is similar to a credit card in that there will be a small fee which the Contractor will be required to pay and the Contractor will receive payment directly from the card issuer rather than the Commonwealth. Any and all fees related to this type of payment are the responsibility of the Contractor. In no case will the Commonwealth allow increases in prices to offset credit card fees paid by the Contractor or any other charges incurred by the Contractor, unless specifically stated in the terms of the Contract or Purchase Order.

V.24 CONTRACT-016.2 ACH Payments (Aug 2007)

- a. The Commonwealth will make contract payments through the Automated Clearing House (ACH). Within 10 days of award of the contract or purchase order, the contractor must submit or must have already submitted their ACH information within their user profile in the Commonwealth's procurement system (SRM).
- b. The contractor must submit a unique invoice number with each invoice submitted. The unique invoice number will be listed on the Commonwealth of Pennsylvania's ACH remittance advice to enable the contractor to properly apply the state agency's payment to the invoice submitted.
- c. It is the responsibility of the contractor to ensure that the ACH information contained in SRM is accurate and complete. Failure to maintain accurate and complete information may result in delays in payments.

V.25 CONTRACT-017.1 Taxes (Dec 5 2006)

The Commonwealth is exempt from all excise taxes imposed by the Internal Revenue Service and has accordingly registered with the Internal Revenue Service to make tax free purchases under Registration No. 23-23740001-K. With the exception of purchases of the following items, no exemption certificates are required and none will be issued: undyed diesel fuel, tires, trucks, gas guzzler emergency vehicles, and sports fishing equipment. The Commonwealth is also exempt from Pennsylvania state sales tax, local sales tax, public transportation assistance taxes and fees and vehicle rental tax. The Department of Revenue regulations provide that exemption certificates are not required for sales made to governmental entities and none will be issued. Nothing in this paragraph is meant to exempt a construction contractor from the payment of any of these taxes or fees which are required to be paid with respect to the purchase, use, rental, or lease of tangible personal property or taxable services used or transferred in connection with the performance of a construction contract.

V.26 CONTRACT-018.1 Assignment of Antitrust Claims (Oct 2006)

The Contractor and the Commonwealth recognize that in actual economic practice, overcharges by the Contractor's suppliers resulting from violations of state or federal antitrust laws are in fact borne by the Commonwealth. As part of the consideration for the award of the Contract, and intending to be legally bound, the Contractor assigns to the Commonwealth all right, title and interest in and to any claims the Contractor now has, or may acquire, under state or federal antitrust laws relating to the products and services which are the subject of this Contract.

V.27 CONTRACT-019.1 Hold Harmless Provision (Nov 30 2006)

- a. The Contractor shall hold the Commonwealth harmless from and indemnify the Commonwealth against any and all third party claims, demands and actions based upon or arising out of any activities performed by the Contractor and its employees and agents under this Contract, provided the Commonwealth gives Contractor prompt notice of any such claim of which it learns. Pursuant to the Commonwealth Attorneys Act (71 P.S. Section 732-101, et seq.), the Office of Attorney General (OAG) has the sole authority to represent the Commonwealth in actions brought against the Commonwealth. The OAG may, however, in its sole discretion and under such terms as it deems appropriate, delegate its right of defense. If OAG delegates the defense to the Contractor, the Commonwealth will cooperate with all reasonable requests of Contractor made in the defense of

such suits.

- b. Notwithstanding the above, neither party shall enter into any settlement without the other party's written consent, which shall not be unreasonably withheld. The Commonwealth may, in its sole discretion, allow the Contractor to control the defense and any related settlement negotiations.

V.28 CONTRACT-020.1 Audit Provisions (Oct 2006)

The Commonwealth shall have the right, at reasonable times and at a site designated by the Commonwealth, to audit the books, documents and records of the Contractor to the extent that the books, documents and records relate to costs or pricing data for the Contract. The Contractor agrees to maintain records which will support the prices charged and costs incurred for the Contract. The Contractor shall preserve books, documents, and records that relate to costs or pricing data for the Contract for a period of three (3) years from date of final payment. The Contractor shall give full and free access to all records to the Commonwealth and/or their authorized representatives.

V.29 CONTRACT-021.1 Default (Oct 2013)

a. The Commonwealth may, subject to the Force Majeure provisions of this Contract, and in addition to its other rights under the Contract, declare the Contractor in default by written notice thereof to the Contractor, and terminate (as provided in the Termination Provisions of this Contract) the whole or any part of this Contract or any Purchase Order for any of the following reasons:

- 1) Failure to begin work within the time specified in the Contract or Purchase Order or as otherwise specified;
- 2) Failure to perform the work with sufficient labor, equipment, or material to ensure the completion of the specified work in accordance with the Contract or Purchase Order terms;
- 3) Unsatisfactory performance of the work;
- 4) Failure to deliver the awarded item(s) within the time specified in the Contract or Purchase Order or as otherwise specified;
- 5) Improper delivery;
- 6) Failure to provide an item(s) which is in conformance with the specifications referenced in the Contract or Purchase Order;
- 7) Delivery of a defective item;
- 8) Failure or refusal to remove material, or remove and replace any work rejected as defective or unsatisfactory;
- 9) Discontinuance of work without approval;
- 10) Failure to resume work, which has been discontinued, within a reasonable time after notice to do so;
- 11) Insolvency or bankruptcy;
- 12) Assignment made for the benefit of creditors;
- 13) Failure or refusal within 10 days after written notice by the Contracting Officer, to make payment or show cause why payment should not be made, of any amounts due for materials furnished, labor supplied or performed, for equipment rentals, or for utility services rendered;
- 14) Failure to protect, to repair, or to make good any damage or injury to property;
- 15) Breach of any provision of the Contract;

16) Failure to comply with representations made in the Contractor's bid/proposal; or

17) Failure to comply with applicable industry standards, customs, and practice.

b. In the event that the Commonwealth terminates this Contract or any Purchase Order in whole or in part as provided in Subparagraph a. above, the Commonwealth may procure, upon such terms and in such manner as it determines, items similar or identical to those so terminated, and the Contractor shall be liable to the Commonwealth for any reasonable excess costs for such similar or identical items included within the terminated part of the Contract or Purchase Order.

c. If the Contract or a Purchase Order is terminated as provided in Subparagraph a. above, the Commonwealth, in addition to any other rights provided in this paragraph, may require the Contractor to transfer title and deliver immediately to the Commonwealth in the manner and to the extent directed by the Contracting Officer, such partially completed items, including, where applicable, reports, working papers and other documentation, as the Contractor has specifically produced or specifically acquired for the performance of such part of the Contract or Purchase Order as has been terminated. Except as provided below, payment for completed work accepted by the Commonwealth shall be at the Contract price. Except as provided below, payment for partially completed items including, where applicable, reports and working papers, delivered to and accepted by the Commonwealth shall be in an amount agreed upon by the Contractor and Contracting Officer. The Commonwealth may withhold from amounts otherwise due the Contractor for such completed or partially completed works, such sum as the Contracting Officer determines to be necessary to protect the Commonwealth against loss.

d. The rights and remedies of the Commonwealth provided in this paragraph shall not be exclusive and are in addition to any other rights and remedies provided by law or under this Contract.

e. The Commonwealth's failure to exercise any rights or remedies provided in this paragraph shall not be construed to be a waiver by the Commonwealth of its rights and remedies in regard to the event of default or any succeeding event of default.

f. Following exhaustion of the Contractor's administrative remedies as set forth in the Contract Controversies Provision of the Contract, the Contractor's exclusive remedy shall be to seek damages in the Board of Claims.

V.30 CONTRACT-022.1 Force Majeure (Oct 2006)

Neither party will incur any liability to the other if its performance of any obligation under this Contract is prevented or delayed by causes beyond its control and without the fault or negligence of either party. Causes beyond a party's control may include, but aren't limited to, acts of God or war, changes in controlling law, regulations, orders or the requirements of any governmental entity, severe weather conditions, civil disorders, natural disasters, fire, epidemics and quarantines, general strikes throughout the trade, and freight embargoes.

The Contractor shall notify the Commonwealth orally within five (5) days and in writing within ten (10) days of the date on which the Contractor becomes aware, or should have reasonably become aware, that such cause would prevent or delay its performance. Such notification shall (i) describe fully such cause(s) and its effect on performance, (ii) state whether performance under the contract is prevented or delayed and (iii) if performance is delayed, state a reasonable estimate of the duration of the delay. The Contractor shall have the burden of proving that such cause(s) delayed or prevented its performance despite its diligent efforts to perform and shall produce such supporting documentation as the Commonwealth may reasonably request. After receipt of such notification, the Commonwealth may elect to cancel the Contract, cancel the Purchase Order, or to extend the time for performance as reasonably necessary to compensate for the Contractor's delay.

In the event of a declared emergency by competent governmental authorities, the Commonwealth by notice to the Contractor, may suspend all or a portion of the Contract or Purchase Order.

V.31 CONTRACT-023.1a Termination Provisions (Oct 2013)

The Commonwealth has the right to terminate this Contract or any Purchase Order for any of the following reasons.

Termination shall be effective upon written notice to the Contractor.

a. **TERMINATION FOR CONVENIENCE:** The Commonwealth shall have the right to terminate the Contract or a Purchase Order for its convenience if the Commonwealth determines termination to be in its best interest. The Contractor shall be paid for work satisfactorily completed prior to the effective date of the termination, but in no event shall the Contractor be entitled to recover loss of profits.

b. **NON-APPROPRIATION:** The Commonwealth's obligation to make payments during any Commonwealth fiscal year succeeding the current fiscal year shall be subject to availability and appropriation of funds. When funds (state and/or federal) are not appropriated or otherwise made available to support continuation of performance in a subsequent fiscal year period, the Commonwealth shall have the right to terminate the Contract or a Purchase Order. The Contractor shall be reimbursed for the reasonable value of any nonrecurring costs incurred but not amortized in the price of the supplies or services delivered under the Contract. Such reimbursement shall not include loss of profit, loss of use of money, or administrative or overhead costs. The reimbursement amount may be paid from any appropriations available for that purpose.

c. **TERMINATION FOR CAUSE:** The Commonwealth shall have the right to terminate the Contract or a Purchase Order for Contractor default under the Default Clause upon written notice to the Contractor. The Commonwealth shall also have the right, upon written notice to the Contractor, to terminate the Contract or a Purchase Order for other cause as specified in the Contract or by law. If it is later determined that the Commonwealth erred in terminating the Contract or a Purchase Order for cause, then, at the Commonwealth's discretion, the Contract or Purchase Order shall be deemed to have been terminated for convenience under the Subparagraph a.

V.32 CONTRACT-024.1 Contract Controversies (Oct 2011)

a. In the event of a controversy or claim arising from the Contract, the Contractor must, within six months after the cause of action accrues, file a written claim with the contracting officer for a determination. The claim shall state all grounds upon which the Contractor asserts a controversy exists. If the Contractor fails to file a claim or files an untimely claim, the Contractor is deemed to have waived its right to assert a claim in any forum. At the time the claim is filed, or within sixty (60) days thereafter, either party may request mediation through the Commonwealth Office of General Counsel Dispute Resolution Program.

b. If the Contractor or the contracting officer requests mediation and the other party agrees, the contracting officer shall promptly make arrangements for mediation. Mediation shall be scheduled so as to not delay the issuance of the final determination beyond the required 120 days after receipt of the claim if mediation is unsuccessful. If mediation is not agreed to or if resolution is not reached through mediation, the contracting officer shall review timely-filed claims and issue a final determination, in writing, regarding the claim. The final determination shall be issued within 120 days of the receipt of the claim, unless extended by consent of the contracting officer and the Contractor. The contracting officer shall send his/her written determination to the Contractor. If the contracting officer fails to issue a final determination within the 120 days (unless extended by consent of the parties), the claim shall be deemed denied. The contracting officer's determination shall be the final order of the purchasing agency.

c. Within fifteen (15) days of the mailing date of the determination denying a claim or within 135 days of filing a claim if, no extension is agreed to by the parties, whichever occurs first, the Contractor may file a statement of claim with the Commonwealth Board of Claims. Pending a final judicial resolution of a controversy or claim, the Contractor shall proceed diligently with the performance of the Contract in a manner consistent with the determination of the contracting officer and the Commonwealth shall compensate the Contractor pursuant to the terms of the Contract.

V.33 CONTRACT-025.1 Assignability and Subcontracting (Oct 2013)

a. Subject to the terms and conditions of this paragraph, this Contract shall be binding upon the parties and their respective successors and assigns.

b. The Contractor shall not subcontract with any person or entity to perform all or any part of the work to be performed under this Contract without the prior written consent of the Contracting Officer, which consent may be withheld at the sole and absolute discretion of the Contracting Officer.

c. The Contractor may not assign, in whole or in part, this Contract or its rights, duties, obligations, or responsibilities hereunder without the prior written consent of the Contracting Officer, which consent may be withheld at the sole and absolute discretion of the Contracting Officer.

d. Notwithstanding the foregoing, the Contractor may, without the consent of the Contracting Officer, assign its rights to payment to be received under the Contract, provided that the Contractor provides written notice of such assignment to the Contracting Officer together with a written acknowledgement from the assignee that any such payments are subject to all of the terms and conditions of this Contract.

e. For the purposes of this Contract, the term "assign" shall include, but shall not be limited to, the sale, gift, assignment, pledge, or other transfer of any ownership interest in the Contractor provided, however, that the term shall not apply to the sale or other transfer of stock of a publicly traded company.

f. Any assignment consented to by the Contracting Officer shall be evidenced by a written assignment agreement executed by the Contractor and its assignee in which the assignee agrees to be legally bound by all of the terms and conditions of the Contract and to assume the duties, obligations, and responsibilities being assigned.

g. A change of name by the Contractor, following which the Contractor's federal identification number remains unchanged, shall not be considered to be an assignment hereunder. The Contractor shall give the Contracting Officer written notice of any such change of name.

V.34 CONTRACT-026.1 Other Contractors (Oct 2006)

The Commonwealth may undertake or award other contracts for additional or related work, and the Contractor shall fully cooperate with other contractors and Commonwealth employees, and coordinate its work with such additional work as may be required. The Contractor shall not commit or permit any act that will interfere with the performance of work by any other contractor or by Commonwealth employees. This paragraph shall be included in the Contracts of all contractors with which this Contractor will be required to cooperate. The Commonwealth shall equitably enforce this paragraph as to all contractors to prevent the imposition of unreasonable burdens on any contractor.

V.35 CONTRACT-027.1 Nondiscrimination/Sexual Harassment Clause (March 2015)

The Contractor agrees:

1. In the hiring of any employee(s) for the manufacture of supplies, performance of work, or any other activity required under the contract or any subcontract, the Contractor, each subcontractor, or any person acting on behalf of the Contractor or subcontractor shall not discriminate in violation of the *Pennsylvania Human Relations Act* (PHRA) and applicable federal laws against any citizen of this Commonwealth who is qualified and available to perform the work to which the employment relates.

2. Neither the Contractor nor any subcontractor nor any person on their behalf shall in any manner discriminate in violation of the PHRA and applicable federal laws against or intimidate any employee involved in the manufacture of supplies, the performance of work, or any other activity required under the contract.

3. The Contractor and each subcontractor shall establish and maintain a written nondiscrimination and sexual harassment policy and shall inform their employees of the policy. The policy must contain a provision that sexual harassment will not be tolerated and employees who practice it will be disciplined. Posting this Nondiscrimination/Sexual Harassment Clause conspicuously in easily-accessible and well-lighted places customarily frequented by employees and at or near where the contract services are performed shall satisfy this requirement.

4. The Contractor and each subcontractor shall not discriminate in violation of PHRA and applicable federal laws against any subcontractor or supplier who is qualified to perform the work to which the contract relates.

5. The Contractor and each subcontractor represents that it is presently in compliance with and will maintain compliance with all applicable federal, state, and local laws and regulations relating to nondiscrimination and sexual harassment. The Contractor and each subcontractor further represents that it has filed a Standard Form 100 Employer Information Report ("EEO-1") with the U.S. Equal Employment Opportunity Commission ("EEOC") and shall file an annual EEO-1 report with the EEOC as required for employers subject to *Title VII of the Civil Rights Act of 1964*, as amended, that have 100 or more employees and employers that have federal government contracts or first-tier subcontracts and have 50 or more employees. The Contractor and each subcontractor shall, upon request and within the time periods requested by the Commonwealth, furnish all necessary employment documents and records, including EEO-1 reports, and permit access to their books, records, and accounts by the contracting agency and the Bureau of Small Business Opportunities (BSBO), for purpose of ascertaining compliance with provisions of this Nondiscrimination/Sexual Harassment Clause.

6. The Contractor shall include the provisions of this Nondiscrimination/Sexual Harassment Clause in every subcontract so that those provisions applicable to subcontractors will be binding upon each subcontractor.

7. The Contractor's and each subcontractor's obligations pursuant to these provisions are ongoing from and after the effective date of the contract through the termination date thereof. Accordingly, the Contractor and each subcontractor shall have an obligation to inform the Commonwealth if, at any time during the term of the contract, it becomes aware of any actions or occurrences that would result in violation of these provisions.

8. The Commonwealth may cancel or terminate the contract and all money due or to become due under the contract may be forfeited for a violation of the terms and conditions of this Nondiscrimination/Sexual Harassment Clause. In addition, the agency may proceed with debarment or suspension and may place the Contractor in the Contractor Responsibility File.

V.36 CONTRACT-028.1 Contractor Integrity Provisions (January 2015)

It is essential that those who seek to contract with the Commonwealth of Pennsylvania ("Commonwealth") observe high standards of honesty and integrity. They must conduct themselves in a manner that fosters public confidence in the integrity of the Commonwealth contracting and procurement process.

1. DEFINITIONS. For purposes of these Contractor Integrity Provisions, the following terms shall have the meanings found in this Section:

a. "Affiliate" means two or more entities where (a) a parent entity owns more than fifty percent of the voting stock of each of the entities; or (b) a common shareholder or group of shareholders owns more than fifty percent of the voting stock of each of the entities; or (c) the entities have a common proprietor or general partner.

b. "Consent" means written permission signed by a duly authorized officer or employee of the Commonwealth, provided that where the material facts have been disclosed, in writing, by prequalification, bid, proposal, or contractual terms, the Commonwealth shall be deemed to have consented by virtue of the execution of this contract.

c. "Contractor" means the individual or entity, that has entered into this contract with the Commonwealth.

d. "Contractor Related Parties" means any affiliates of the Contractor and the Contractor's executive officers, Pennsylvania officers and directors, or owners of 5 percent or more interest in the Contractor.

e. "Financial Interest" means either:

(1) Ownership of more than a five percent interest in any business; or

(2) Holding a position as an officer, director, trustee, partner, employee, or holding any position of management.

f. "Gratuity" means tendering, giving, or providing anything of more than nominal monetary value including, but not limited to, cash, travel, entertainment, gifts, meals, lodging, loans, subscriptions, advances, deposits of money,

services, employment, or contracts of any kind. The exceptions set forth in the *Governor's Code of Conduct, Executive Order 1980-18, the 4 Pa. Code §7.153(b)*, shall apply.

g. "Non-bid Basis" means a contract awarded or executed by the Commonwealth with Contractor without seeking bids or proposals from any other potential bidder or offeror.

2. In furtherance of this policy, Contractor agrees to the following:

a. Contractor shall maintain the highest standards of honesty and integrity during the performance of this contract and shall take no action in violation of state or federal laws or regulations or any other applicable laws or regulations, or other requirements applicable to Contractor or that govern contracting or procurement with the Commonwealth.

b. Contractor shall establish and implement a written business integrity policy, which includes, at a minimum, the requirements of these provisions as they relate to the Contractor activity with the Commonwealth and Commonwealth employees and which is made known to all Contractor employees. Posting these Contractor Integrity Provisions conspicuously in easily-accessible and well-lighted places customarily frequented by employees and at or near where the contract services are performed shall satisfy this requirement.

c. Contractor, its affiliates, agents, employees and anyone in privity with Contractor shall not accept, agree to give, offer, confer or agree to confer or promise to confer, directly or indirectly, any gratuity or pecuniary benefit to any person, or to influence or attempt to influence any person in violation of any federal or state law, regulation, executive order of the Governor of Pennsylvania, statement of policy, management directive or any other published standard of the Commonwealth in connection with performance of work under this contract, except as provided in this contract.

d. Contractor shall not have a financial interest in any other contractor, subcontractor, or supplier providing services, labor or material under this contract, unless the financial interest is disclosed to the Commonwealth in writing and the Commonwealth consents to Contractor's financial interest prior to Commonwealth execution of the contract. Contractor shall disclose the financial interest to the Commonwealth at the time of bid or proposal submission, or if no bids or proposals are solicited, no later than the Contractor's submission of the contract signed by Contractor.

e. Contractor certifies to the best of its knowledge and belief that within the last five (5) years Contractor or Contractor Related Parties have not:

- (1) been indicted or convicted of a crime involving moral turpitude or business honesty or integrity in any jurisdiction;
- (2) been suspended, debarred or otherwise disqualified from entering into any contract with any governmental agency;
- (3) had any business license or professional license suspended or revoked;
- (4) had any sanction or finding of fact imposed as a result of a judicial or administrative proceeding related to fraud, extortion, bribery, bid rigging, embezzlement, misrepresentation or anti-trust; and
- (5) been, and is not currently, the subject of a criminal investigation by any federal, state or local prosecuting or investigative agency and/or civil anti-trust investigation by any federal, state or local prosecuting or investigative agency.

If Contractor cannot so certify to the above, then it must submit along with its bid, proposal or contract a written explanation of why such certification cannot be made and the Commonwealth will determine whether a contract may be entered into with the Contractor. The Contractor's obligation pursuant to this certification is ongoing from and after the effective date of the contract through the termination date thereof. Accordingly, the Contractor shall have an obligation to immediately notify the Commonwealth in writing if at any time during the term of the contract it becomes aware of any event which would cause the Contractor's certification or explanation to change. Contractor acknowledges that the Commonwealth may, in its sole discretion, terminate the contract for cause if it

learns that any of the certifications made herein are currently false due to intervening factual circumstances or were false or should have been known to be false when entering into the contract.

f. Contractor shall comply with the requirements of the *Lobbying Disclosure Act (65 Pa.C.S. §13A01 et seq.)* regardless of the method of award. If this contract was awarded on a Non-bid Basis, Contractor must also comply with the requirements of the *Section 1641 of the Pennsylvania Election Code (25 P.S. §3260a)*.

g. When contractor has reason to believe that any breach of ethical standards as set forth in law, the Governor's Code of Conduct, or these Contractor Integrity Provisions has occurred or may occur, including but not limited to contact by a Commonwealth officer or employee which, if acted upon, would violate such ethical standards, Contractor shall immediately notify the Commonwealth contracting officer or the Office of the State Inspector General in writing.

h. Contractor, by submission of its bid or proposal and/or execution of this contract and by the submission of any bills, invoices or requests for payment pursuant to the contract, certifies and represents that is has not violated any of these Contractor Integrity Provisions in connection with the submission of the bid or proposal, during any contract negotiations or during the term of the contract, to include any extensions thereof. Contractor shall immediately notify the Commonwealth in writing of any actions for occurrences that would result in a violation of these Contractor Integrity Provisions. Contractor agrees to reimburse the Commonwealth for the reasonable costs of investigation incurred by the Office of the State Inspector General for investigations of the Contractor's compliance with the terms of this or any other agreement between the Contractor and the Commonwealth that results in the suspension or debarment of the Contractor. Contractor shall not be responsible for investigative costs for investigations that do not result in the Contractor's suspension or debarment.

i. Contractor shall cooperate with the Office of the State Inspector General in its investigation of any alleged Commonwealth agency or employee breach of ethical standards and any alleged Contractor non-compliance with these Contractor Integrity Provisions. Contractor agrees to make identified Contractor employees available for interviews at reasonable times and places. Contractor, upon the inquiry or request of an Inspector General, shall provide, or if appropriate, make promptly available for inspection or copying, any information of any type or form deemed relevant by the Office of the State Inspector General to Contractor's integrity and compliance with these provisions. Such information may include, but shall not be limited to, Contractor's business or financial records, documents or files of any type or form that refer to or concern this contract. Contractor shall incorporate this paragraph in any agreement, contract or subcontract it enters into in the course of the performance of this contract/agreement solely for the purpose of obtaining subcontractor compliance with this provision. The incorporation of this provision in a subcontract shall not create privity of contract between the Commonwealth and any such subcontractor, and no third party beneficiaries shall be created thereby.

j. For violation of any of these Contractor Integrity Provisions, the Commonwealth may terminate this and any other contract with Contractor, claim liquidated damages in an amount equal to the value of anything received in breach of these Provisions, claim damages for all additional costs and expenses incurred in obtaining another contractor to complete performance under this contract, and debar and suspend Contractor from doing business with the Commonwealth. These rights and remedies are cumulative, and the use or non-use of any one shall not preclude the use of all or any other. These rights and remedies are in addition to those the Commonwealth may have under law, statute, regulation or otherwise.

V.37 CONTRACT-029.1 Contractor Responsibility Provisions (Nov 2010)

For the purpose of these provisions, the term contractor is defined as any person, including, but not limited to, a bidder, offeror, loan recipient, grantee or lessor, who has furnished or performed or seeks to furnish or perform, goods, supplies, services, leased space, construction or other activity, under a contract, grant, lease, purchase order or reimbursement agreement with the Commonwealth of Pennsylvania (Commonwealth). The term contractor includes a permittee, licensee, or any agency, political subdivision, instrumentality, public authority, or other public entity in the Commonwealth.

1. The Contractor certifies, in writing, for itself and its subcontractors required to be disclosed or approved by

the Commonwealth, that as of the date of its execution of this Bid/Contract, that neither the Contractor, nor any such subcontractors, are under suspension or debarment by the Commonwealth or any governmental entity, instrumentality, or authority and, if the Contractor cannot so certify, then it agrees to submit, along with its Bid/Contract, a written explanation of why such certification cannot be made.

2. The Contractor also certifies, in writing, that as of the date of its execution of this Bid/Contract it has no tax liabilities or other Commonwealth obligations, or has filed a timely administrative or judicial appeal if such liabilities or obligations exist, or is subject to a duly approved deferred payment plan if such liabilities exist.

3. The Contractor's obligations pursuant to these provisions are ongoing from and after the effective date of the Contract through the termination date thereof. Accordingly, the Contractor shall have an obligation to inform the Commonwealth if, at any time during the term of the Contract, it becomes delinquent in the payment of taxes, or other Commonwealth obligations, or if it or, to the best knowledge of the Contractor, any of its subcontractors are suspended or debarred by the Commonwealth, the federal government, or any other state or governmental entity. Such notification shall be made within 15 days of the date of suspension or debarment.

4. The failure of the Contractor to notify the Commonwealth of its suspension or debarment by the Commonwealth, any other state, or the federal government shall constitute an event of default of the Contract with the Commonwealth.

5. The Contractor agrees to reimburse the Commonwealth for the reasonable costs of investigation incurred by the Office of State Inspector General for investigations of the Contractor's compliance with the terms of this or any other agreement between the Contractor and the Commonwealth that results in the suspension or debarment of the contractor. Such costs shall include, but shall not be limited to, salaries of investigators, including overtime; travel and lodging expenses; and expert witness and documentary fees. The Contractor shall not be responsible for investigative costs for investigations that do not result in the Contractor's suspension or debarment.

6. The Contractor may obtain a current list of suspended and debarred Commonwealth contractors by either searching the Internet at <http://www.dgs.state.pa.us/> or contacting the:

Department of General Services
Office of Chief Counsel
603 North Office Building
Harrisburg, PA 17125
Telephone No: (717) 783-6472
FAX No: (717) 787-9138

V.38 CONTRACT-030.1 Americans with Disabilities Act (Oct 2006)

- a. Pursuant to federal regulations promulgated under the authority of The Americans With Disabilities Act, 28 C.F.R. Section 35.101 et seq., the Contractor understands and agrees that it shall not cause any individual with a disability to be excluded from participation in this Contract or from activities provided for under this Contract on the basis of the disability. As a condition of accepting this contract, the Contractor agrees to comply with the "General Prohibitions Against Discrimination," 28 C.F.R. Section 35.130, and all other regulations promulgated under Title II of The Americans With Disabilities Act which are applicable to all benefits, services, programs, and activities provided by the Commonwealth of Pennsylvania through contracts with outside contractors.
- b. The Contractor shall be responsible for and agrees to indemnify and hold harmless the Commonwealth of Pennsylvania from all losses, damages, expenses, claims, demands, suits, and actions brought by any party against the Commonwealth of Pennsylvania as a result of the Contractor's failure to comply with the provisions of Subparagraph a. above.

V.39 CONTRACT-031.1 Hazardous Substances (Oct 2013)

The Contractor shall provide information to the Commonwealth about the identity and hazards of hazardous substances supplied or used by the Contractor in the performance of the Contract. The Contractor must comply with Act 159 of October 5, 1984, known as the "Worker and Community Right to Know Act" (the "Act") and the

regulations promulgated pursuant thereto at 4 Pa. Code Section 301.1 et seq.

a. Labeling. The Contractor shall ensure that each individual product (as well as the carton, container or package in which the product is shipped) of any of the following substances (as defined by the Act and the regulations) supplied by the Contractor is clearly labeled, tagged or marked with the information listed in Subparagraphs (1) through (4):

1) Hazardous substances:

- a) The chemical name or common name,
- b) A hazard warning, and
- c) The name, address, and telephone number of the manufacturer.

2) Hazardous mixtures:

- a) The common name, but if none exists, then the trade name,
- b) The chemical or common name of special hazardous substances comprising .01% or more of the mixture,
- c) The chemical or common name of hazardous substances consisting 1.0% or more of the mixture,
- d) A hazard warning, and
- e) The name, address, and telephone number of the manufacturer.

3) Single chemicals:

- a) The chemical name or the common name,
- b) A hazard warning, if appropriate, and
- c) The name, address, and telephone number of the manufacturer.

4) Chemical Mixtures:

- a) The common name, but if none exists, then the trade name,
- b) A hazard warning, if appropriate,
- c) The name, address, and telephone number of the manufacturer, and
- d) The chemical name or common name of either the top five substances by volume or those substances consisting of 5.0% or more of the mixture.

A common name or trade name may be used only if the use of the name more easily or readily identifies the true nature of the hazardous substance, hazardous mixture, single chemical, or mixture involved.

Container labels shall provide a warning as to the specific nature of the hazard arising from the substance in the container.

The hazard warning shall be given in conformity with one of the nationally recognized and accepted systems of providing warnings, and hazard warnings shall be consistent with one or more of the recognized systems throughout the workplace. Examples are:

- NFPA 704, Identification of the Fire Hazards of Materials.
- National Paint and Coatings Association: Hazardous Materials Identification System.
- American Society for Testing and Materials, Safety Alert Pictorial Chart.
- American National Standard Institute, Inc., for the Precautionary Labeling of Hazardous Industrial Chemicals.

Labels must be legible and prominently affixed to and displayed on the product and the carton, container, or package so that employees can easily identify the substance or mixture present therein.

b. Material Safety Data Sheet. The contractor shall provide Material Safety Data Sheets (MSDS) with the information required by the Act and the regulations for each hazardous substance or hazardous mixture. The Commonwealth must be provided an appropriate MSDS with the initial shipment and with the first shipment after an MSDS is updated or product changed. For any other chemical, the contractor shall provide an appropriate MSDS, if the manufacturer, importer, or supplier produces or possesses the MSDS. The contractor shall also notify the Commonwealth when a substance or mixture is subject to the provisions of the Act. Material Safety Data Sheets may be attached to the carton, container, or package mailed to the Commonwealth at the time of shipment.

V.40 CONTRACT-032.1 Covenant Against Contingent Fees (Oct 2006)

The Contractor warrants that no person or selling agency has been employed or retained to solicit or secure the Contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, except bona fide employees or bona fide established commercial or selling agencies maintained by the Contractor for the purpose of securing business. For breach or violation of this warranty, the Commonwealth shall have the right to terminate the Contract without liability or in its discretion to deduct from the Contract price or consideration, or otherwise recover the full amount of such commission, percentage, brokerage, or contingent fee.

V.41 CONTRACT-033.1 Applicable Law (Oct 2006)

This Contract shall be governed by and interpreted and enforced in accordance with the laws of the Commonwealth of Pennsylvania (without regard to any conflict of laws provisions) and the decisions of the Pennsylvania courts. The Contractor consents to the jurisdiction of any court of the Commonwealth of Pennsylvania and any federal courts in Pennsylvania, waiving any claim or defense that such forum is not convenient or proper. The Contractor agrees that any such court shall have in personam jurisdiction over it, and consents to service of process in any manner authorized by Pennsylvania law.

V.42 CONTRACT- 034.1b Integration (Nov 30 2006)

This Contract, including the Invitation for Bids, the Contractor's bid, all referenced documents, and any Purchase Order constitutes the entire agreement between the parties. No agent, representative, employee or officer of either the Commonwealth or the Contractor has authority to make, or has made, any statement, agreement or representation, oral or written, in connection with the Contract, which in any way can be deemed to modify, add to or detract from, or otherwise change or alter its terms and conditions. No negotiations between the parties, nor any custom or usage, shall be permitted to modify or contradict any of the terms and conditions of the Contract. No modifications, alterations, changes, or waiver to the Contract or any of its terms shall be valid or binding unless accomplished by a written amendment signed by both parties.

V.43 CONTRACT-034.2b Order of Precedence - IFB (Dec 6 2006)

In the event there is a conflict among the documents comprising this Contract, the Commonwealth and the Contractor agree on the following order of precedence: the Contract; the IFB; and the Contractor's Bid in Response to the IFB.

V.44 CONTRACT-034.3 Controlling Terms and Conditions (Aug 2011)

The terms and conditions of this Contract shall be the exclusive terms of agreement between the Contractor and the Commonwealth. All quotations requested and received from the Contractor are for obtaining firm pricing only. Other terms and conditions or additional terms and conditions included or referenced in the Contractor's quotations, invoices, business forms, or other documentation shall not become part of the parties' agreement and shall be disregarded by the parties, unenforceable by the Contractor and not binding on the Commonwealth.

V.45 CONTRACT-035.1a Changes (Oct 2006)

The Commonwealth reserves the right to make changes at any time during the term of the Contract or any renewals or extensions thereof: 1) to increase or decrease the quantities resulting from variations between any estimated quantities in the Contract and actual quantities; 2) to make changes to the services within the scope of the Contract; 3) to notify the Contractor that the Commonwealth is exercising any Contract renewal or extension option; or 4) to modify the time of performance that does not alter the scope of the Contract to extend the completion date beyond the Expiration Date of the Contract or any renewals or extensions thereof. Any such change shall be made by the Contracting Officer by notifying the Contractor in writing. The change shall be effective as of the date of the change, unless the notification of change specifies a later effective date. Such increases, decreases, changes, or modifications will not invalidate the Contract, nor, if performance security is being furnished in conjunction with the Contract, release the security obligation. The Contractor agrees to provide the service in accordance with the change order. Any dispute by the Contractor in regard to the performance required by any notification of change shall be handled through Contract Controversies Provision.

V.46 CONTRACT-037.1a Confidentiality (Oct 2013)

(a) The Contractor agrees to protect the confidentiality of the Commonwealth's confidential information. The Commonwealth agrees to protect the confidentiality of Contractor's confidential information. In order for information to be deemed confidential, the party claiming confidentiality must designate the information as "confidential" in such a way as to give notice to the other party (notice may be communicated by describing the information, and the specifications around its use or disclosure, in the SOW). Neither party may assert that information owned by the other party is such party's confidential information. The parties agree that such confidential information shall not be copied, in whole or in part, or used or disclosed except when essential for authorized activities under this Contract and, in the case of disclosure, where the recipient of the confidential information has agreed to be bound by confidentiality requirements no less restrictive than those set forth herein. Each copy of such confidential information shall be marked by the party making the copy with any notices appearing in the original. Upon termination or cancellation of this Contract or any license granted hereunder, the receiving party will return to the disclosing party all copies of the confidential information in the receiving party's possession, other than one copy, which may be maintained for archival purposes only, and which will remain subject to this Contract's security, privacy, data retention/destruction and confidentiality provisions (all of which shall survive the expiration of this Contract). Both parties agree that a material breach of these requirements may, after failure to cure within the time frame specified in this Contract, and at the discretion of the non-breaching party, result in termination for default pursuant to the DEFAULT provision of this Contract, in addition to other remedies available to the non-breaching party.

(b) Insofar as information is not otherwise protected by law or regulation, the obligations stated in this Section do not apply to information:

- (1) already known to the recipient at the time of disclosure other than through the contractual relationship;
- (2) independently generated by the recipient and not derived by the information supplied by the disclosing party.
- (3) known or available to the public, except where such knowledge or availability is the result of unauthorized disclosure by the recipient of the proprietary information;
- (4) disclosed to the recipient without a similar restriction by a third party who has the right to make such disclosure; or
- (5) required to be disclosed by law, regulation, court order, or other legal process.

There shall be no restriction with respect to the use or disclosure of any ideas, concepts, know-how, or data processing techniques developed alone or jointly with the Commonwealth in connection with services provided to the Commonwealth under this Contract.

(c) The Contractor shall use the following process when submitting information to the Commonwealth it believes to

be confidential and/or proprietary information or trade secrets:

- (1) Prepare an un-redacted version of the appropriate document, and
- (2) Prepare a redacted version of the document that redacts the information that is asserted to be confidential or proprietary information or a trade secret, and
- (3) Prepare a signed written statement that states:
 - (i) the attached document contains confidential or proprietary information or trade secrets;
 - (ii) the Contractor is submitting the document in both redacted and un-redacted format in accordance with 65 P.S. § 67.707(b); and
 - (iii) the Contractor is requesting that the document be considered exempt under 65 P.S. § 67.708(b)(11) from public records requests.
- (4) Submit the two documents along with the signed written statement to the Commonwealth.

V.47 CONTRACT-043.1 Leasing Additional Terms and Conditions (Oct 2013)

To the extent that the Contractor offers the Commonwealth or any purchasing agency ("Lessee") the option to lease any items covered by the Contract, these Leasing Terms And Conditions shall, in addition to the other terms and conditions of the Contract, govern the Lease, except to the extent the Contractor assigns a Lease to an Initial Assignee, in which case the Initial Assignee shall be bound to the obligations of the Contractor only as specified in these Leasing Terms and Conditions. If a Lessee desires to lease contract items, the Lessee shall indicate its leasing election on the PO issued to the Contractor ("Lease PO"). By issuing a Lease PO, the Lessee explicitly agrees to these Leasing Terms and Conditions. Any items covered by a Lease shall be called "Leased Property" in these Leasing Terms and Conditions. To the extent that there is a conflict between the other terms and conditions of the Contract and these Leasing Terms and Conditions, these Leasing Terms and Conditions shall prevail to the extent that the Lessee has elected a leasing option.

A. Term of Lease

The Contractor may provide any Leased Property under the Contract for any term up to 60 months, including a Fair Market Value Option for Lease/Purchases. The Lessee shall identify the term selected, as well as its election of either a Lease or Lease/Purchase option, on the Lease PO. The Lease term shall commence on the date the Lessee accepts the Leased Property by executing the Acceptance Certificate, and the term shall continue for the length specified on the Lease PO. The form of the Acceptance Certificate can be found on the Forms page of the Department of General Services' webpage (www.dgs.state.pa.us).

If the Contractor delivers the Leased Property in more than one delivery, unless otherwise specified in the Specifications for this procurement, the Lessee will provide separate acceptance certificates for each delivery of the items, and the Lessee will make periodic payments for the Leased Property corresponding to the amount of the Leased Property delivered and accepted 30 days prior to the payment due date.

B. Payments

1. Full Term Intention. The Lessee shall pay the applicable monthly or annual rent payment for the Leased Property for the full Lease term, unless the Lessee terminates the Lease, either for Contractor default as set forth in the Default provision of the Contract or for non-appropriation of funds as specified in this section.

2. Non-Appropriation. The Lessee's obligation is payable only and solely from funds allotted for the purpose of the Lease. If sufficient funds are not appropriated for continuation of performance under any Lease for any fiscal year subsequent to the one in which the Lessee issued the Lease PO, the Lessee may return the Leased Property to the Contractor/Initial Assignee (as applicable), and thereafter the Contractor/Initial Assignee shall release the Lessee of all further obligations under the Lease, provided:

- a. The Lessee delivers unencumbered title to the Leased Property to the Contractor or Initial Assignee (if applicable);
- b. The Lessee returns the Leased Property to the Contractor/Initial Assignee in good condition, reasonable wear and tear excepted; and
- c. The Lessee gives 30 days written notice of the failure of appropriations to the Contractor/Initial Assignee, along with a certification that the Leased Property is not being replaced by similar items from another vendor. In the event the Lessee returns the Leased Property for failure of appropriations, the Lessee shall pay all amounts then due under the Lease through the end of the fiscal year for which sufficient funds were appropriated for the Lease.

C. Title

1. Title to the Leased Property shall not pass to the Lessee but shall remain in the Contractor or Initial Assignee, whichever applies; except in the case of a Lease/Purchase, the title shall pass to the Lessee upon payment of the final installment or other concluding payment option.
 - a. Upon payment of the final installment or other concluding payment option, neither the Contractor nor its assignee shall have any further interest in the Leased Property.
 - b. The Leased Property shall remain personal property and shall not become a fixture or affixed to real property without consent of the Contractor/assignee.
 - c. At the request of the Contractor or Initial Assignee, the Lessee will join the Contractor/assignee in executing one or more UCC-1 financing statements.
 - d. The Lessee will keep the Leased Property free and clear of all encumbrances except the Contractor's/assignee's security interest.

D. Use And Location Of, and Alteration to Leased Property

The Lessee shall keep the Leased Property within the confines of the Commonwealth of Pennsylvania and shall inform the Contractor/Initial Assignee upon request of the location of the Leased Property. The Lessee, at its own cost and expense, shall maintain the Leased Property in good operating condition and will not use or deal with the Leased Property in any manner which is inconsistent with the terms of the Contract or any applicable laws and regulations. The Lessee agrees not to misuse, abuse, or waste the Leased Property and the Lessee will not allow the Leased Property to deteriorate, except for ordinary wear and tear resulting from their intended use. No alterations, changes, or modifications to the Leased Property shall be made without the approval of the Contractor/Initial Assignee.

E. Risk of Loss

The Contractor shall assume and bear the risk of loss or damage to, or theft of, the Leased Property and all component parts while the Leased Property or parts are in the Lessee's possession, unless the Lessee could have prevented such loss, damage, or theft by exercising reasonable care or diligence in the use, protection, or care of the Leased Property or parts. No loss or damage to the Leased Property or parts shall impair any Contractor or Lessee obligation under the Lease, except as expressly provided in these Leasing Terms and Conditions. If the damage could not have been prevented by the Lessee's exercise of reasonable care or diligence, and the Contractor determines the Leased Property or parts can be economically repaired, the Contractor shall repair or cause to be repaired all damages to the Leased Property or their parts. In the event that the any of the Leased Property or their parts are stolen or destroyed, or if in the Contractor's opinion they are rendered irreparable, unusable, or damaged, the affected Leased Property shall be considered a total loss and the Lease shall terminate as to that Leased Property, and the Lessee's obligation to pay rent for the affected Leased Property shall be deemed to have ceased as of the date of the loss.

F. Warranties

1. The Lessee shall have the benefit of any and all manufacturer or supplier warranties for the Leased Property

during the Lease term.

2. The Contractor/Initial Assignee and any subsequent assignee warrants that neither the Contractor/Initial Assignee or subsequent assignee, nor anyone acting or claiming through these parties by assignment or otherwise, will interfere with the Lessee's quiet enjoyment of the Leased Property so long as no event of default as defined in Subsection J of this Section shall have occurred and be continuing.

G. Liability

1. The Lessee assumes all risks and liabilities for injury to or death of any person or damage to any property, arising out of the Lessee's possession, use, operation, condition, or storage of any Leased Property, whether such injury or death be of agents or employees of the Lessee or of third parties, and whether such property damage be to the Lessee's property or the property of others; provided, however, that the damage or injury results from the action or inaction of the Lessee, its agents or employees, and provided that judgment has been obtained against the Lessee, its agents or employees. This provision shall not be construed to limit the governmental immunity of any Lessee.

2. The Lessee shall, during the Lease term, either self-insure or purchase insurance to cover the risks it has assumed under Paragraph 1 of this Subsection, including but not limited to risks of public liability and property damage.

H. Assignment

1. The Lessee shall not assign any Lease PO or other interest in the Leased Property without the prior written consent of the Contractor or its assignee. The Contractor may assign, and/or grant security interests in whole or in part in, the Lease PO and Leased Property to an Initial Assignee, who in turn may further assign and/or grant a security interest in a Lease to a subsequent assignee without the Lessee's consent. Any other Contractor assignment shall require the Lessee's prior written consent. Upon written notice to the Lessee, the Contractor may assign payments under any Lease to a third party.

2. The Contractor may assign, without Lessee consent, any Lease PO to a third party ("Initial Assignee") who will fund the purchase of the Leased Property. The Initial Assignee may take title to, and assume the right to receive all rental payments for, the Leased Property. The Contractor shall notify the Lessee of any Lease PO assignment in its acknowledgment of the Lease PO to the Lessee, providing the Lessee with a copy of the assignment agreement between the Contractor and the Initial Assignee.

3. Notwithstanding any provisions to the contrary in the Contract, in the event of an assignment to an Initial Assignee, the Initial Assignee shall be bound only to the Contractor's obligations specified in these Leasing Terms and Conditions. An Initial Assignee shall not be responsible for any of the Contractor's additional representations, warranties, covenants, or obligations under the Contract Documents. By issuing a Lease PO, the Lessee waives any claims it may have under the Lease against the Initial Assignee for any loss, damage, or expense caused by, defect in, or use or maintenance of any Leased Property. The Lessee acknowledges that the Initial Assignee is not the supplier of the Leased Property and is not responsible for their selection or installation. After the ordering Lessee executes, and the Initial Assignee receives, an Acceptance Certificate, if any portion of the Leased Property is unsatisfactory for any reason, the ordering Lessee shall, nevertheless, continue to make payments under the applicable Lease terms and shall make any claim against the Contractor or the manufacturer, not against the Initial Assignee or any subsequent assignee of the Initial Assignee.

4. After a Lessee executes and the Initial Assignee receives an Acceptance Certificate:

a. The Lessee shall, regardless of whether any portion of the Leased Property is unsatisfactory for any reason, nevertheless, continue to make payments under the applicable Lease and shall make any claim relating to the Leased Property against the Contractor or the manufacturer, not against the Initial Assignee or any subsequent assignee; and

b. The rights of the Initial Assignee and any subsequent assignee to receive rental payments are absolute and unconditional and shall not be affected by any defense or right of set-off.

5. Warranty Disclaimer

IN THE EVENT THE CONTRACTOR ASSIGNS A LEASE TO AN INITIAL ASSIGNEE, SUCH INITIAL ASSIGNEE AND ANY SUBSEQUENT ASSIGNEE MAKE NO WARRANTY (OTHER THAN A WARRANTY OF QUIET ENJOYMENT OF THE LEASED PROPERTY), EXPRESS OR IMPLIED, AS TO ANY MATTER WHATSOEVER, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. AS TO THE INITIAL ASSIGNEE AND ANY SUBSEQUENT ASSIGNEE, THE LESSEE TAKES THE LEASED PROPERTY "AS IS". IN NO EVENT SHALL THE INITIAL ASSIGNEE OR ANY SUBSEQUENT ASSIGNEE HAVE ANY LIABILITY FOR, NOR SHALL THE LESSEE HAVE ANY REMEDY AGAINST, THE INITIAL ASSIGNEE OR ANY SUBSEQUENT ASSIGNEE FOR CONSEQUENTIAL DAMAGES, LOSS OF SAVINGS, OR LOSS OF USE.

I. Financing and Prepayment

1. If the Contractor is not the supplier of the Leased Property, the Contractor will pay the charges for the Leased Property directly to the supplier. In the event the Contractor assigns the Lease to an Initial Assignee, the Initial Assignee will pay the charges directly to the Contractor or the supplier, as applicable. If the Contractor has assigned rental payments under the Lease to an Initial Assignee, the Lessee's obligation to make rental payments for the Leased Property for which the Lessee has executed and delivered acceptance certificates shall not be affected by any discontinuance, return, or destruction of any license or licensed program materials, or by any Lessee dissatisfaction with any Leased Property.
2. The Lessee may at any time terminate the financing for any Leased Property by prepaying its remaining rental payments. The Lessee shall provide notice of the intended prepayment date, which shall be at least one month after the date of the notice. Depending on market conditions at the time, the Contractor/Initial Assignee may reduce the balance of the remaining rental payments to reflect the requested prepayment and shall advise the Lessee of the balance to be paid.
3. If the Lessee purchases Contract items related to Leased Property prior to the expiration of the Lease term, or if the Lease is terminated for any reason except non-appropriation as described in Subsection B of this Subsection, and if the Leased Property has been delivered and the Lessee has executed and delivered to the Contractor an acceptance certificate, the Lessee shall prepay such Leased Property.

J. Remedies for Default

1. If the Lessee does not make a required payment within 30 days after its due date and such nonpayment continues for 15 days after receipt of written notice from the Contractor/Initial Assignee that the Lessee is delinquent in payment, if the Lessee breaches any other provision under these Leasing Terms and Conditions and such breach continues for 15 days after receipt of written notice of the breach from the Contractor/Initial Assignee, or if the Lessee files any petition or proceeding (or has a petition or proceeding filed against it) under any bankruptcy, insolvency, or similar law, the Contractor/Initial Assignee may pursue and enforce the following remedies, individually or collectively:
 - a. Terminate the applicable Lease.
 - b. Take possession of any or all Leased Property in the Lessee's possession, without any court order or other process of law. For such purpose, upon written notice of its intention to do so, the Contractor or its assignee may enter upon the premises where the Leased Property may be and remove and repossess the Leased Property, from the premises without being liable to the Lessee in any action or legal proceedings. The Contractor/assignee may, at its option, sell the repossessed Leased Property at public or private sale for cash or credit. The Lessee shall be liable for the Contractor's/assignee's expenses of retaking possession, including without limitation the removal of the Leased Property and placing the Leased Property in good operating condition (if not in good operating condition at the time of removal) in accordance with the manufacturer's specifications. Repossessed Leased Property shall include only those items that were leased or lease/purchased under the Lease.
 - c. Recover from the Lessee all rental payments then due, plus the net present value of the amount of the remaining rental payments. The present value of such remaining rental payments shall be calculated using a discount rate equal to the average of the weekly two- and three-year Treasury Constant Maturities published by the Federal

Reserve Board for the last calendar week of the month preceding the contractor's/assignee's termination of the applicable Lease. The Treasury Constant Maturities are published in Statistical Release .15 and may be accessed via the Federal Reserve Board's Internet website.

2. In the event of Contractor default under the Default provision of the Contract, the Lessee may pursue one or more of the following remedies:

a. If the rental payments under the Lease have been assigned to an Initial Assignee, the Lessee shall continue to make payments for that Leased Property which has been delivered and for which the Lessee has provided acceptance certificates to the Contractor/Initial Assignee.

b. The Lessee may cancel, without liability for payment, its order for any Leased Property which has not been delivered and for which it has not issued acceptance certificates. In this instance, the amount of the rental payments will be recalculated to take into consideration and pay for the actual amount of Leased Property which was delivered and accepted. If no Leased Property has been delivered and accepted, the Lessee may terminate the Lease without liability for any payment.

c. If payments have not been assigned, the Lessee may set off or counterclaim any and all damages incurred by the Lessee as a result of the Contractor's default against its obligation to make rental payments.

K. Purchase Option

If the Lessee is not in default, it shall have the right at the expiration of the Lease term to buy the Leased Property "as is with no additional warranty" by tendering the purchase option amount the parties have established. For any Lease with a Fair Market Value Option, the fair market value of the equipment shall be established by the Contractor/Initial Assignee and shall not exceed the then-current purchase price of the Leased Property as established in the Contract. Upon the Lessee's exercise of a purchase option and payment of the required amount to the Contractor/Initial Assignee, all right, title, and interest in the Leased Property shall pass to the Lessee.

L. Extension

If the Lessee does not elect to purchase the Leased Property at the expiration of a Lease term, and the Lessee is not in default under the Lease, the Lessee may elect to extend the Lease by written notification to the Contractor/Initial Assignee. The Lessee will make any elective extension under the same Leasing Terms and Conditions, including any rent payable (not less than fair market rental value), and will continue until the earlier of termination by either party upon one month's prior written notice, or five years from the date of installation.

M. Return of Leased Property

At the expiration or termination of a Lease for any Leased Property, or upon Contractor/Initial Assignee demand pursuant to Subsection J. of this Section, the Lessee shall promptly return the Leased Property, freight prepaid, to any location in the continental United States specified by the Contractor/Initial Assignee. The Lessee shall pay the required rent for the Leased Property until they have been shipped to the Contractor.

1. Since DGS has, as a matter of policy, determined that all hard drives contain information that is confidential or sensitive, the Contractor shall, at its discretion, either remove and destroy any hard drive from the Leased Property or clean the hard drive to Office of Administration/U.S. Department of Defense standards, and the Contractor shall provide written certification to the Lessee that the hard drive has been destroyed or cleaned to Office of Administration/U.S. Department of Defense standards.

2. Except in the event of a total loss of any or all Leased Property as described in Subsection E. of this Section, and except for any costs associated with the removal, destruction, and cleaning of any hard drives, the Lessee shall pay any costs the Contractor/Initial Assignee incurs to restore the Leased Property to good operating condition in accordance with the Contract specifications. All parts the Contractor/Initial Assignee may remove and replace shall become the Contractor's/Initial Assignee's property.

3. The Contractor's/Initial Assignee's costs associated with the cleaning of any hard drive to Office of Administration/U.S. Department of Defense standards and the removal and destruction of any hard drive(s) shall be

included in the rental amount. The Lessee shall not be required to pay additional charges for the Contractor's/Initial Assignee's cleaning of a hard drive to Office of Administration/U.S. Department of Defense standards nor for the Contractor's/Initial Assignee's removal and destruction of any hard drive(s) upon the return of a Leased item.

N. Compliance with Internal Revenue Code

1. **Tax Exemption Financing.** If it intends to provide tax exempt financing, the Contractor/Initial Assignee must file, in timely fashion, any reports the Internal Revenue Service may require with respect to the order under the Internal Revenue Code (IRC). The Lessee shall cooperate with the Contractor/Initial Assignee in the preparation and execution of these documents. The Lessee shall also keep a copy of each notification of assignment with the Lessee's counterpart of the order and shall not, during the Lease term, permit the Leased Property to be directly or indirectly used for a private business use within the meaning of Section 141 of the IRC.

2. **Governmental Status.** Eligible Lessees include State entities or political subdivisions of a State for the purpose of Section 103(a) of the IRC as well as tax exempt non-profit corporations and entities under 501(c)(4) of the IRC. Any misrepresentation of a Lessee's status under the IRC shall constitute an event of default by the Lessee. If the Internal Revenue Service rules that the Lessee does not so qualify under either Section 103(a) or 501(c)(4) of the IRC, or if the Lessee fails to cooperate with the Contractor/Initial Assignee in the preparation and execution of any reports required under Section 124 or 149 of the IRC (including 8038G and 8038GC forms), the Lessee will, upon demand, pay the Contractor/Initial Assignee a sum the Contractor/Initial Assignee determines sufficient to return the Contractor/Initial Assignee to the economic status it would otherwise have received.

O. Governing Law

All Leases made under these Leasing Terms and Conditions shall be governed by and construed in accordance with the laws of the Commonwealth of Pennsylvania, except that the parties agree that Article 2A of the Uniform Commercial Code shall not apply or govern transactions under these Leasing Terms and Conditions.

P. Notices

Service of all notices under these Leasing Terms and Conditions shall be sufficient if delivered to the Lessee at the address set forth in the applicable Lease PO, or to the Contractor/Initial Assignee at the address set forth in its acknowledgment of the Lease PO, including any attached document. Notices by mail shall be effective when deposited in the U.S. mail, properly addressed, with sufficient paid postage. Notices delivered by hand or by overnight courier shall be effective when actually received.

V.48 CONTRACT-045.1 Insurance - General (Dec 12 2006)

The Contractor is required to have in place during the term of the Contract and any renewals or extensions thereof, the following types of insurance, issued by companies acceptable to the Commonwealth and authorized to conduct such business under the laws of the Commonwealth of Pennsylvania:

- A. Worker's Compensation Insurance** for all of the Contractor's employees and those of any subcontractor, engaged in work at the site of the project as required by law.
- B. Public Liability and Property Damage Insurance** to protect the Commonwealth, the Contractor, and any and all subcontractors from claims for damages for personal injury (including bodily injury), sickness or disease, accidental death and damage to property including the loss of use resulting from any property damage, which may arise from the activities performed under the Contract or the failure to perform under the Contract, whether such performance or non-performance be by the Contractor, by any subcontractor, or by anyone directly or indirectly employed by either. The minimum amounts of coverage shall be \$250,000 per person and \$1,000,000 per occurrence for bodily injury, including death, and \$250,000 per person and \$1,000,000 per occurrence for property damage. Such policies shall be occurrence rather than claims-made policies and shall not contain any endorsements or any other form designated to limit and restrict any action by the Commonwealth, as an additional insured, against the insurance coverage in regard to work performed for the Commonwealth.

Prior to commencement of the work under the Contract and at each insurance renewal date during the term of the Contract, the Contractor shall provide the Commonwealth with current certificates of insurance. These certificates or policies shall name the Commonwealth as an additional insured and shall contain a provision that the coverage's afforded under the policies will not be cancelled or changed until at least thirty (30) days written notice has been given to the Commonwealth.

The Commonwealth shall be under no obligation to obtain such certificates from the Contractor(s). Failure by the Commonwealth to obtain the certificates shall not be deemed a waiver of the Contractor's obligation to obtain and furnish certificates. The Commonwealth shall have the right to inspect the original insurance policies.

V.49 CONTRACT-046.1 Manufacturer's Price Reduction (Oct 2006)

If, prior to the delivery of the awarded item(s) by the Contractor, a price reduction is announced by the original equipment manufacturer, a comparative price reduction will be given to the Commonwealth by the Contractor.

V.50 CONTRACT-051.1 Notice (Dec 2006)

Any written notice to any party under this Contract shall be deemed sufficient if delivered personally, or by facsimile, teletype, electronic or digital transmission (provided such delivery is confirmed), or by a recognized overnight courier service (e.g., DHL, Federal Express, etc.) with confirmed receipt, or by certified or registered United States mail, postage prepaid, return receipt requested, and sent to following:

- a. If to the Contractor: the Contractor's address as recorded in the Commonwealth's Supplier Registration system.
- b. If to the Commonwealth: the address of the Issuing Office as set forth on the Contract.

V.51 CONTRACT-052.1 Right to Know Law (Feb 2010)

a. The Pennsylvania Right-to-Know Law, 65 P.S. §§ 67.101-3104, ("RTKL") applies to this Contract. For the purpose of these provisions, the term "the Commonwealth" shall refer to the contracting Commonwealth agency.

b. If the Commonwealth needs the Contractor's assistance in any matter arising out of the RTKL related to this Contract, it shall notify the Contractor using the legal contact information provided in this Contract. The Contractor, at any time, may designate a different contact for such purpose upon reasonable prior written notice to the Commonwealth.

c. Upon written notification from the Commonwealth that it requires the Contractor's assistance in responding to a request under the RTKL for information related to this Contract that may be in the Contractor's possession, constituting, or alleged to constitute, a public record in accordance with the RTKL ("Requested Information"), the Contractor shall:

1. Provide the Commonwealth, within ten (10) calendar days after receipt of written notification, access to, and copies of, any document or information in the Contractor's possession arising out of this Contract that the Commonwealth reasonably believes is Requested Information and may be a public record under the RTKL; and
2. Provide such other assistance as the Commonwealth may reasonably request, in order to comply with the RTKL with respect to this Contract.

d. If the Contractor considers the Requested Information to include a request for a Trade Secret or Confidential Proprietary Information, as those terms are defined by the RTKL, or other information that the Contractor considers exempt from production under the RTKL, the Contractor must notify the Commonwealth and provide, within seven (7) calendar days of receiving the written notification, a written statement signed by a representative of the Contractor explaining why the requested material is exempt from public disclosure under the RTKL.

e. The Commonwealth will rely upon the written statement from the Contractor in denying a RTKL request for the Requested Information unless the Commonwealth determines that the Requested Information is clearly not protected

from disclosure under the RTKL. Should the Commonwealth determine that the Requested Information is clearly not exempt from disclosure, the Contractor shall provide the Requested Information within five (5) business days of receipt of written notification of the Commonwealth's determination.

f. If the Contractor fails to provide the Requested Information within the time period required by these provisions, the Contractor shall indemnify and hold the Commonwealth harmless for any damages, penalties, costs, detriment or harm that the Commonwealth may incur as a result of the Contractor's failure, including any statutory damages assessed against the Commonwealth.

g. The Commonwealth will reimburse the Contractor for any costs associated with complying with these provisions only to the extent allowed under the fee schedule established by the Office of Open Records or as otherwise provided by the RTKL if the fee schedule is inapplicable.

h. The Contractor may file a legal challenge to any Commonwealth decision to release a record to the public with the Office of Open Records, or in the Pennsylvania Courts, however, the Contractor shall indemnify the Commonwealth for any legal expenses incurred by the Commonwealth as a result of such a challenge and shall hold the Commonwealth harmless for any damages, penalties, costs, detriment or harm that the Commonwealth may incur as a result of the Contractor's failure, including any statutory damages assessed against the Commonwealth, regardless of the outcome of such legal challenge. As between the parties, the Contractor agrees to waive all rights or remedies that may be available to it as a result of the Commonwealth's disclosure of Requested Information pursuant to the RTKL.

i. The Contractor's duties relating to the RTKL are continuing duties that survive the expiration of this Contract and shall continue as long as the Contractor has Requested Information in its possession.

SPECIFICATIONS
FOR
TWO-WAY RADIO EQUIPMENT & SERVICES

ISSUING OFFICE
OFFICE OF ADMINISTRATION, OFFICE FOR INFORMATION TECHNOLOGY

INVITATION FOR BID NUMBER

6100039075

DATE OF ISSUANCE

NOVEMBER 8, 2016

**SPECIFICATIONS
FOR
TWO-WAY RADIO EQUIPMENT & SERVICES
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CALENDAR OF EVENTS

The Commonwealth will make every effort to adhere to the following schedule:

Activity	Responsibility	Date
Deadline to submit questions via email to RA-OITPurchases@state.pa.us with the subject line “IFB 6100039075 Question”	Bidders	November 14, 2016 1:00PM EST
Answers to questions posted to the PA eMarketplace portal website (http://www.emarketplace.state.pa.us).	Issuing Office	November 17, 2016
Please monitor the PA eMarketplace portal website for all communications regarding this IFB, such as addendums, answers to questions, revised appendices, etc.	Bidders	Ongoing
Bid package must be received by the Issuing Office at: PASupplierPortal website (http://www.pasupplierportal.state.pa.us) no later than this date.	Bidders	December 2, 2016 12:00PM EST

PART I

GENERAL INFORMATION

I-1. Issuing Office:

The Office of Administration (“Issuing Office”) has issued this Invitation for Bid (“IFB”) on behalf of the Commonwealth. The sole point of contact in the Commonwealth for this IFB is Tom Schwartz (RA-OITPurchases@state.pa.us), 613 North St., Finance Building – Rm. 506, Harrisburg, PA 17120, the Issuing Officer for this IFB. Please refer all inquiries to the Issuing Officer.

The Issuing Officer is the sole point of contact concerning this IFB. Any violation of this condition may be cause for the Issuing Office to reject the offending Bidder’s bid. If the Issuing Office later discovers that the Bidder has engaged in any violations of this condition, the Issuing Office may reject the offending Bidder’s bid or rescind its contract award. A Bidder must not distribute any part of its bid beyond the Issuing Office. Any Bidder who shares information contained in its bid with other Commonwealth personnel and/or competing Bidder personnel may be cause for the Issuing Office to reject the offending Bidder’s bid.

I-2. Bid Submission:

Bids must be submitted electronically via the PASupplierPortal website on or before the due date specified in the Calendar of Events. Any bid submitted to the Issuing Office in hardcopy format will be rejected. Please refer to Section I.6, IFB-011.1B Submission of Bids – Electronic Submittal (May 2011), of the IFB. The following documentation must be completed and returned with a Bidder’s bid:

- **Appendix A, Manufacturer Discount List:** Bidders should submit pricing for all in-scope equipment and services which they intend to sell through their contract resulting from this IFB. Bidders may submit different discounts for each product category, and for each manufacturer within a product category.
- **Appendix B, Lobbying Certification Form**
- **Appendix C, State of Manufacture Chart**
- **Appendix D, COSTARS Program Election Form** (if applicable)
- **Appendix E, Dedicated Contacts**
- **Manufacturer Authorization Letter** (if applicable): If a Bidder is submitting as a reseller, it must submit a Manufacturer Authorization Letter which clearly states the Bidder is authorized to provide the OEM’s two-way radio equipment and services to the Commonwealth for this IFB. The Manufacturer Authorization Letter must reference the Commonwealth IFB 6100039075 for Two-Way Radio Equipment & Services. A Bidder must submit a Manufacturer Authorization Letter for each OEM which the Bidder is proposing, unless the Bidder is the OEM.

- **Manufacturer Price List:** A Bidder must submit a document and/or web link to the OEM's current retail price list for each OEM the Bidder is proposing. The OEM's current retail price list must include all two-way radio equipment & services provided by the OEM. A Bidder must be capable of providing all two-way radio equipment & services provided by an OEM.

Failure to submit the documentation listed above will result in the bid being rejected. The submission of any documentation other than what is listed above may result in the bid being rejected.

I-3. Information Technology Policies:

This IFB is subject to the Information Technology Policies ("ITP") issued by the Office of Administration, Office for Information Technology ("OA-OIT"). ITP's may be found at <http://www.oa.pa.gov/Policies/Pages/itp.aspx>

All bids must be submitted on the basis that all ITPs are applicable to this procurement. It is the responsibility of the Bidder to read and be familiar with the ITPs. Notwithstanding the foregoing, if the Bidder believes that any ITP is not applicable to this procurement, it must list all such ITPs in its bid, and explain why it believes the ITP is not applicable. The Issuing Office may, in its sole discretion, accept or reject any request that an ITP not be considered to be applicable to the procurement. The Bidder's failure to list an ITP will result in its waiving its right to do so later, unless the Issuing Office, in its sole discretion, determines that it would be in the best interest of the Commonwealth to waive the pertinent ITP.

I-4. Bidding Reference Material:

[Registration Guide](#)

[Bidding Guide](#)

[Attaching Documents](#)

[Electronic Bidding Portal](#)

PART II
REQUIREMENTS

II-1. General Requirements:

A. Account Management:

The Contractor must provide a dedicated account manager who will be the main point of contact for all requests, and will be responsible for the coordination of all orders and the resolution of any issues. The Issuing Office will consider the account manager to be the sole point of contact with regard to contractual and purchase order matters.

B. Dedicated Contacts:

Bidders must identify the following dedicated contacts in Appendix J, Dedicated Contacts:

- Account Manager: The account manager must be main point of contact for all requests, and will be responsible for the coordination of all orders and the resolution of any sales issues.
- Service Manager: The service manager must be main point of contact for the resolution of any service issues that are escalated from the service desk.
- Service Desk Number: The service desk number must be a toll free dedicated number for Commonwealth warranty and service calls.
- OEM Contact: (only required if the Contractor is not the OEM). Contractors must arrange support from this contact for the resolution of any issues that require OEM intervention.

The Contractor must provide notice of change in dedicated contacts within thirty (30) days to the Commonwealth. Advance notification and employee overlap is not required for changes in dedicated contacts due to resignations, death and disability, dismissal for cause or dismissal as a result of termination of a subcontract or any other cause that is beyond the control of the selected Contractor or its subcontractor. However, the Commonwealth must approve the replacement staff.

C. Subcontracting:

Any services which are not provided by the Contractor must be provided by an OEM Authorized Service Provider that must be approved in advance by the Commonwealth.

Authorized dealers are not permitted. Contractors are not permitted to allow authorized dealers to quote equipment and services through any contract resulting from this IFB.

D. Technicians:

All Technicians assigned to repair, fix or service equipment, must have a minimum of five (5) years demonstrated experience and must also be certificated by the OEM in order to provide maintenance. The Commonwealth reserves the right to audit technician qualifications at any time during the term of the Contract.

E. Pricing:

1. Additional Discounts:

Contractors are encouraged to offer lower prices for all requests for quotes, especially requests for quotes with high quantities. The Commonwealth may negotiate additional price concessions on all orders. Please refer to Section V.48 of the IFB.

2. Trade-In:

The Contractor may allow the Commonwealth to trade-in existing equipment for credit toward a new order. A trade-in must be agreed to by the Commonwealth and the Contractor. The Contractor must provide fair market value when accepting a trade-in.

3. Price Lists:

Contractors may update their price list throughout the term of the contract to reflect the introduction of new products, manufacturer's price changes, as well as deletions and substitutions of a manufacturer's discontinued items.

F. Orders:

1. Order Acceptance:

The Contractor must be capable of accepting orders via the Commonwealth's purchasing credit card (Pcard) in addition to SRM purchase orders; the Commonwealth's standard order type. Please refer to Section V.6 of the IFB.

2. Order Shipment:

a. The Contractor must securely and properly package the equipment for shipment, storage and stocking in appropriate, clearly labeled, shipping containers and according to accepted commercial practice, without extra charge for packing materials, cases, or other types of containers. All containers and packaging will become and remain property of the Commonwealth.

b. All orders must include a packaging slip which includes, at a minimum: Commonwealth agency, requestor name, order quantity and SRM purchase order number.

c. Partial shipments may be requested by any Commonwealth agency. If not requested, partial shipments are acceptable only if authorized by the Commonwealth agency that ordered the equipment.

- d. The Contractor must ensure all incorrect shipments are corrected within ten (10) business days from the date the Contractor is notified by the Commonwealth. The business days of the Commonwealth are as follows; 7:30 to 5:00pm, Monday through Friday, excluding state holidays. Please refer to Section II-3 D of these specifications.

3. Order Delivery:

All orders for equipment must be delivered to the location specified by the Commonwealth within ten (10) business days for Off-the-shelf equipment and thirty (30) business days for custom ordered equipment unless otherwise agreed upon between the Commonwealth and the vendor. Please refer to Section II-3 D of these specifications. Off-the-shelf equipment refers to equipment that the Contractor currently has in stock. Custom ordered equipment refers to equipment that the Contractor does not have in stock and must special order on behalf of the Commonwealth. Orders must be delivered between the business hours of 7:30 AM and 5:30 PM, Monday through Friday, excluding state holidays. Calculation of delivery time does not include the day that the purchase order is issued, but does include the day of delivery. When a specific delivery date is agreed upon for a full delivery or partial delivery, delivery must occur on the requested date. The Contractor must store all equipment in its own facilities until the agreed upon delivery date. Please refer to Section V.9 CONTRACT-007.01a Supplies Delivery (Nov 30 2006) of the IFB.

The Contractor, within twenty-four (24) hours after receiving an order, must notify the Commonwealth of any potential delivery delays. Evidence of inability or intentional delays will be cause for the cancellation or suspension of a contract.

G. Quoting:

The Commonwealth is not responsible for any charges not included on the quote, nor is the Commonwealth responsible for any charges in the quote that are contrary to the IFB, these specifications or law.

H. Literature:

User manuals and operating instructions must be provided with each piece of equipment. Delivery is considered complete if these requirements is met by delivery one (1) copy of each required manual or if there are web manuals or a tutorial is available online.

I. Training:

Training, up to 4 hours, related to purchased and installed equipment will be provided to the Commonwealth at no cost. Online/web training or instructor led training are acceptable; however, the Contractor shall obtain Commonwealth approval prior to implementing the method of the training.

J. Americans with Disabilities Act:

Upon request, the Contractor must be able to identify any equipment being offered that may be used or adapted for use by visually, hearing or other physically impaired individuals.

II-2. Equipment Requirements:

Bidders should refer to Appendix A, Manufacturer Discount List for a full listing of categories of equipment.

A. Parts and Accessories:

In addition to two-way radios, the Commonwealth reserves the right to procure parts and accessories related to the equipment, including but not limited to, antennas and amplifiers, mounts and power supplies, batteries and chargers, device protection and carrying cases, control stations, consoles, repeaters, test equipment, etc.

B. P25 Specifications: The specifications listed in this subsection B. apply only to radios intended for use on the P25 Radio Network (STARNet). Additional information is included in Appendix H, P25 Compliance Assessment Program.

1. Radios must be capable of P25 Phase 2 (TDMA) operation.
2. Radios that are operationally required to operate statewide must be dual-band enabled and capable of operating in the VHF and 800MHz frequency bands.
3. Radios must be traceable to the P25 compliance assessment program.
4. Radios must conform to the authentication service as defined by the P25 Authentication standard TIA102.AACE.

C. Compliance:

Equipment shall comply with all applicable Federal Communications Commission (FCC) requirements. All components shall meet or exceed all applicable Electronic Industries Alliance (EIA) standards. Upon request by a Using Agency of the Commonwealth, awarded Contractors may be required to submit a Certificate of Conformance to the Agency for adherence and compliance to FCC requirements and/or EIA standards applicable to the equipment or components being purchased.

II-3. Services Requirements:

Contractors may offer to provide additional related services in conjunction with the equipment items they are offering to supply to the Commonwealth under this Contract ("Ancillary Services"). However, any Ancillary Services offered must be: (1) expressly authorized in the original IFB/Contract, (2) directly related to the delivery, installation or normal use of the product or component parts purchased, (3) limited to the actual product or component parts purchased, and (4) initiated/ordered at the time of product purchase. Stand-alone services and services for products not purchased from this Contract, including

existing equipment for which component parts from this Contract are purchased, are not within the scope of this Contract. Ancillary services include, but are not limited to, the following:

- Maintenance & Support
- Warranty & Extended Warranty Services
- Customization (any modification to a Contract item to meet Purchaser-specific requirements)
- Installation

A. Quality and Reliability:

The awarded Contractors must perform quality repairs to all equipment maintained under this agreement. After equipment is serviced, the equipment must perform in an efficient manner with a minimum amount of down time.

1. **90-Day (Rolling) Repetitive Service:** If a single asset requires three (3) service calls for any service issues within a 90-day rolling time period, the Contractor will be required to notify the agency to discuss the issues and make suggestions as to what should be done with the device. If the cause of excessive service calls is determined to be due to an operator error, misuse, or abuse by the Commonwealth, associated repair time will not be a factor in determining satisfactory machine performance. Also, The Commonwealth will discuss repetitive failures caused by a known equipment manufacturing defect with the awarded Contractor.
2. The Commonwealth will require contractors to provide new, non-refurbished parts. Replacement parts must be made available for at least three (3) years after the warranty expiration. If a product has reached the end of life and new parts are not readily available, the Commonwealth realizes refurbished parts will be the only option. All new and refurbished parts will be covered under additional warranty by the contractor for a minimum of 180 days after installation or longer if provided by the parts manufacturer. The Commonwealth will permit the permanent “Swap-Out” of contract covered equipment. “Swap-Out” is defined as the permanent replacement of the total unit with total component replacement. A “Swap-Out” permanent replacement will only take place in the event that it is agreed upon by both the Agency and Contractor that a “Swap-Out” is in the best interest of The Commonwealth.
3. The awarded contractors must apply all Original Equipment Manufacturer (OEM) mandatory engineering changes to all contract covered equipment, at no cost to The Commonwealth and restore all contract covered equipment to original functionality, as defined by the OEM.

B. Installation:

Installation as used in this Contract is limited to delivery in place with no permanent attachment to the real property. Installation of component parts into existing equipment of the Purchaser is permitted. This Contract may not be used to purchase initial

equipment for installation in new construction. However, fastening a product to an existing building floor, wall, ceiling or roof which can later be removed without damaging the building and connecting to existing electrical, plumbing and HVAC fixtures is permitted. Installation which involves the process of building, altering, repairing, improving or demolishing a structure or building or other improvements of any kind to any real property are defined by law to be construction activities and are not permitted for this Contract. Installation and construction activities for purchasers that are governmental entities, including the Using Agencies, are subject to certain laws regarding public construction, which may include but are not limited to:

The Pennsylvania Prevailing Wage Act, *43 P.S. Sections 165-1 et seq.* The Secretary of Labor and Industry will determine any applicable wage rates by each craft or work classification needed to perform the Contract installation for a government unit.

The Steel Products Procurement Act, *73 P.S. §§ 1881-1887*, and the Trade Practices Act, *71 P. S. § 773.101 et seq.*, which place restrictions upon the source of certain steel, cast iron and aluminum products allowed to be used in the performance of public agency contracts.

The Separations Act of 1913, *71 P.S. § 1618 (and 53 P.S. § 1003 for municipalities)*, which requires the solicitation of separate bids and the award of separate contracts where design/specifications are developed for more than one type of electrical, plumbing or HVAC work.

Any additional laws, regulations or policies that may apply to the installation, including but not limited to performance security, payment bonding, insurance and progress/prompt payment requirements.

C. New Products, Services, and New Technologies:

The Contractor must insure that the Commonwealth will continually be made aware of new innovation and “state-of-the-art” technologies. Education on products, services and technologies must be provided to the Commonwealth. Website, Newsletter, user groups and email are acceptable methods of providing this information.

D. Warranty Service:

The bid price shall include a minimum one-year warranty covering parts and labor against defects in workmanship and materials for all equipment purchased under this Contract. For depot repair for small/portable devices, the Contractor will be responsible for all pick-up, shipping and return charges. Depot returns are to be completed with three (3) business days of receipt of warranted equipment. For all fixed station equipment purchased under this Contract, Contractors must include a one-year on-site warranty. During the warranty period, the Contractor shall repair or replace defective components and/or units at no cost to the Commonwealth. The warranty period shall commence upon acceptance of the items by the Commonwealth. Please refer to Section V.13 CONTRACT-010.1a Acceptance (Oct 2006) of the IFB.

1. The Contractor must honor the warranty specified by the OEM for all equipment being offered, at no additional cost to the Commonwealth.
2. The Contractor must include the most recent software and firmware patches, fixes and upgrades, if available from the OEM, on equipment during the warranty period, at no additional cost to the Commonwealth.
3. The Contractor must provide a central point of contact to address warranty service issues. The Contractor must make available technical support contacts through the internet and provide a toll-free contact number.
4. The Contractor must be capable of receiving service calls on a twenty-four (24) hour per day basis, 365 days of the year, during a warranty period. The Contractor must have service technicians and the support infrastructure available to provide warranty services that meet the service level agreement specified within the statement of work which is attached to the associated purchase order.
5. The Contractor may provide warranty services outside of business hours if agreed upon by the Commonwealth and the Contractor.
6. The Contractor must provide warranty services for the full term of any lease, at no additional cost to the Commonwealth.
7. The Contractor must be capable, either directly or through the OEM, to perform on-site warranty services. Warranty is defined as the standard provided by the OEM for the period of time indicated in the Contract. On-site services must be completed by the end of the next business day.

E. Maintenance/Extended Warranty Services:

1. The Contractor must, if requested by the Commonwealth, provide maintenance/extended warranty services for all equipment being offered.
2. The Contractor must provide a written quote for all maintenance/extended warranty service orders which the Commonwealth will attach to the associated SRM purchase order.
3. Orders for maintenance/extended warranty services made during the term of the contract may extend up to two (2) years past the expiration date of the contract.

F. Service Level Agreements (SLAs):

The following SLAs apply to the Contractor's performance with the individual agency.

IFB Requirement	Service Level Agreements	Service Credit
Delivery of off-the-shelf equipment.	Within ten (10) business days.	5% of the cost of the order for each occurrence.
Delivery of custom order equipment.	Within thirty (30) business days or agreed upon delivery date.	5% of the cost of the order for each occurrence.
Incorrect shipment to the Commonwealth.	Corrected within ten (10) business days.	5% of the cost of the order for each occurrence.
The Contractor must provide the Commonwealth with quarterly reports detailing equipment purchasing activity, performance and customer satisfaction.	The reports must be provided to the Commonwealth no later than fifteen (15) business days after the end of the quarter.	If the Contractor fails to meet the SLA for two (2) quarters within a calendar year, the Contractor will be ineligible to receive orders from any agency in the Commonwealth for six (6) months.

The Contractor must reimburse the Commonwealth within forty-five (45) days of the missed SLA. The Contractor must pay the service credits by deducting the amount from an invoice or by sending a check addressed to the Commonwealth of Pennsylvania for the amount of the service credit. All checks must be sent to the following address:

Office of Comptroller Operations
Revenue & Cash Management
555 Walnut St., 9th Floor
Harrisburg PA 17101-1925

The Contractor must attach, along with its check, a breakdown of the reimbursement which includes, at a minimum: Commonwealth agency, SRM purchase order number and reimbursement amount.

II-4. Reporting Requirements:

A. Quarterly Reports:

The Contractor must provide quarterly reports to the Office of Administration, Office of Information Technology, Bureau of IT Procurement. The Contractor must provide quarterly reports to the Commonwealth no later than fifteen (15) business days after the end of a quarter. A quarter is defined by the Commonwealth as follows:

- Quarter 1: January through March
- Quarter 2: April through June
- Quarter 3: July through September
- Quarter 4: October through December

The Contractor must utilize Appendix E, Quarterly Report Template. A quarterly report must consist of, and include at a minimum:

1. Sales Summary Report which includes, at a minimum: Agency Information, Equipment Information and Order Information.
2. SLA Summary Report which includes, at a minimum: Agency Name, Off-the-shelf delivery actual service level, Custom delivery actual service level, Incorrect Shipment Correction actual service level, and Quarterly report delivery actual service level.
3. Outstanding Issues Summary report which includes, at a minimum: Agency Information and Outstanding Issue Summary.

B. Additional Reports:

Additional reports may be added, or removed, by the Commonwealth at any time.

LOBBYING CERTIFICATION FORM

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

(2) **If any** funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance is placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed under Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than **\$100,000** for such failure.

SIGNATURE: _____

TITLE: _____

DATE: _____

DISCLOSURE OF LOBBYING ACTIVITIES

Approved by OMB

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

0348-0046

(See reverse for public burden disclosure.)

1. Type of Federal Action: a. contract b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	2. Status of Federal Action: a. bid/offer/application b. initial award c. post-award	3. Report Type: a. initial filing b. material change For Material Change Only: year _____ quarter _____ date of last report _____
4. Name and Address of Reporting Entity: <input type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known:	5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime: Congressional District, if known:	
6. Federal Department/Agency:	7. Federal Program Name/Description: CFDA Number, if applicable: _____	
8. Federal Action Number, if known:	9. Award Amount, if known: \$ _____	
10. a. Name and Address of Lobbying Registrant (if individual, last name, first name, MI):	b. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI):	
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Signature: _____ Print Name: _____ Title: Telephone No.: _____ Date:	
Federal Use Only:		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.

(b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).
11. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503.

STATE OF MANUFACTURE CHART

THIS FORM MUST BE COMPLETED AND RETURNED WITH THE BID

The Reciprocal Limitations Act 146 requires the Department to give Pennsylvania resident bidders a preference against a non-resident bidder from any state that gives or requires a preference to bidders from that state. The amount of preference shall be equal to the amount of preference applied by the state of the non-resident bidder. More information on this Act, or how to claim preference, can be obtained at our internet site at www.dgs.state.pa.us, by faxing a request to 717 787 -0725, or by calling Vendor Services at 717 787-2199 or 4705.

All bidders must complete the following chart by listing the name of the manufacturer and the state (or foreign country) of manufacture for each item. If the item is domestically produced, the bidder must indicate the state in the United States where the item will be manufactured. **This chart must be completed and submitted with the bid or no later than two (2) business days after notification from the Department of General Services to furnish the information.** Failure to complete this chart **and provide the required information prior to the expiration of the second business day after notification shall** result in the rejection of the bid.

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<u>ITEM NUMBER</u>	<u>NAME OF MANUFACTURER</u>	<u>STATE (OR FOREIGN COUNTRY) OF MANUFACTURE</u>
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BIDDER'S RESIDENCY

A. In determining whether the bidder is a nonresident bidder from a state that gives or requires a preference to bidders from that state, the address given on the first page of this invitation for bid shall be used by the Department of General Services. If that address is incorrect, or if no address is given, the correct address should be provided in the space below:

Correct Address:

COSTARS PROGRAM ELECTION FORM

If awarded a Contract, our firm agrees to sell the awarded items/services at the same prices and/or discounts, and in accordance with the contractual terms and conditions, to registered COSTARS Members who elect to participate in the contract. Our firm also agrees to pay the applicable Administrative Fee (\$1500 or \$500 for a Department of General Services Certified Small Business) at the beginning of each contract year and upon each contract renewal date.

If you are a Department of General Services Certified Small Business, you must submit a copy of your active certification with your bid response.

Corporate or Legal Entity Name

Signature/Date

Printed Name/Title

Dedicated Contacts

	Contact Name	Contact Email	Contact Phone
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DHS Science and Technology Directorate Project 25 Compliance Assessment Program

Formal Compliance Testing for Land Mobile Radios

To successfully respond to both day-to-day and large-scale incidents, first responders must be able to communicate with each other regardless of equipment make or model. Today, this can be challenging because communications equipment manufacturers often use different approaches to implement systems that leave their products incompatible. Land mobile radio networks are still the network of choice for first responders' mission critical voice needs. Project 25 (P25) is a suite of standards that enables interoperability among digital two-way land mobile radio communications products created for use by public safety professionals. The U.S. Department of Homeland Security Science and Technology Directorate (S&T) partnered with the Department of Commerce Public Safety Communications Research program to establish the P25 Compliance Assessment Program (P25 CAP).

P25 CAP is a formal, independent process for ensuring communications equipment declared by the supplier actually is P25 compliant and tested against the standards with publicly published results. Through this open standards testing process, P25 CAP provides responders confidence the communications equipment they use will be interoperable, regardless of manufacturer. Specifically, this voluntary program provides public safety agencies with evidence that the communications equipment they purchase is tested against and complies with the P25 standards for performance, conformance and interoperability. Compliance testing concludes with official summary test reports and suppliers' declaration of compliance, which are available to first responders at <https://www.dhs.gov/science-and-technology/p25-cap>. This website also provides a repository of all information on P25 CAP.

Helping to Ensure Interoperability by Informing Procurement Decisions

By arming first responders with the necessary information they need to make informed procurement decisions, P25 CAP helps advance interoperability in the public safety environment. In addition, by encouraging the purchase of P25 CAP-compliant communications equipment in grant guidance, P25 CAP helps to ensure federal grant funds are used to purchase interoperable solutions for local, tribal and state first responders. Ultimately, this promotes

interoperability and reduces waste and poor investments in untested equipment.

Program Framework and Path Forward

S&T selected three internationally recognized laboratory accreditation bodies to review and accredit participating P25 CAP laboratories. Once accredited, the laboratory can test land mobile radio equipment for compliance. There are currently eight labs recognized to conduct P25 CAP testing. Recently, S&T developed a series of program logos to better communicate these facets of P25 CAP among its stakeholders. P25 CAP laboratories will be able to display a seal to distinguish themselves as a competent test facility. In addition, partnering accreditation bodies will be able to use a logo to show stakeholders they are a participating accreditation body.



A series of P25 CAP logos for use by DHS and participating stakeholders

S&T has partnered with the Association of Public Safety Communications Officials to support its efforts with the program and help re-establish the program's governance structure. To this end, S&T created the P25 CAP Advisory Panel (AP), which provides the views of active local, state, tribal, territorial and federal government users of portable, handheld, mobile vehicle-mounted radios and infrastructure, including repeaters, consoles and gateways. The P25 CAP AP provides recommendations to S&T for strategic direction of the P25 CAP, addresses user input to improve the P25 CAP compliance process and provides feedback to P25 standards committees. S&T's program policies will be laid out through the issuance of its Compliance Assessment Bulletins.



**Homeland
Security**

Science and Technology

To learn more about P25 CAP, contact SandTFRG@hq.dhs.gov.

Date: November 17, 2016

Subject: Two-Way Radio Equipment and Services

Solicitation Number: 6100039075

Solicitation Due Date: November 23, 2016

Addendum Number: 1

To All Offerors/Bidders:

The Commonwealth of Pennsylvania defines a solicitation “Addendum” as an addition to or amendment of the original terms, conditions, specification or instruction of a procurement solicitation (e.g. Invitation for Bids, Request for Quotes and Request for Proposals).

The following changes have been made to the solicitation identified above:

The Commonwealth has posted the following documentation as part of this addendum:

- IFB 6100039075 - Two-Way Radio Equipment and Services (rev. 11.17.16)
- Specifications (rev. 11.17.16)
- Questions & Answers

For electronic solicitations responses via the PASupplierPortal:

- Attach this addendum to your solicitation response.
- To attach the Addendum, download the Addendum and save to your computer. Move to “My Notes”, use the “Browse” button to find the document you just saved and press “Add” to upload the document.
- Review the Attributes section of our solicitation response to ensure you have responded, as required, to any question relevant to solicitation addenda issues subsequent to the initial advertisement of the solicitation opportunity,

Except as amended by this Addendum, the terms, conditions, specification, and instruction of the solicitation and any previous solicitation addenda, remain as originally written.

Very truly yours,

Name: Joseph M. Millovich

Title: Commodity Specialist

Phone: 717-214-3434

Email: RA-OITPurchases@pa.gov

Date: November 18, 2016

Subject: Two-Way Radio Equipment and Services

Solicitation Number: 6100039075

Solicitation Due Date: November 23, 2016

Addendum Number: 2

To All Offerors/Bidders:

The Commonwealth of Pennsylvania defines a solicitation “Addendum” as an addition to or amendment of the original terms, conditions, specification or instruction of a procurement solicitation (e.g. Invitation for Bids, Request for Quotes and Request for Proposals).

The following changes have been made to the solicitation identified above:

The Commonwealth has posted the following documentation as part of this addendum:

- Specifications (rev. 11.18.16)
- Questions & Answers (rev. 11.18.16)

For electronic solicitations responses via the PASupplierPortal:

- Attach this addendum to your solicitation response.
- To attach the Addendum, download the Addendum and save to your computer. Move to “My Notes”, use the “Browse” button to find the document you just saved and press “Add” to upload the document.
- Review the Attributes section of our solicitation response to ensure you have responded, as required, to any question relevant to solicitation addenda issues subsequent to the initial advertisement of the solicitation opportunity,

Except as amended by this Addendum, the terms, conditions, specification, and instruction of the solicitation and any previous solicitation addenda, remain as originally written.

Very truly yours,

Name: Joseph M. Millovich

Title: Commodity Specialist

Phone: 717-214-3434

Email: RA-OITPurchases@pa.gov

Date: November 23, 2016

Subject: Two-Way Radio Equipment and Services

Solicitation Number: 6100039075

Solicitation Due Date: November 29, 2016

Addendum Number: 3

To All Offerors/Bidders:

The Commonwealth of Pennsylvania defines a solicitation “Addendum” as an addition to or amendment of the original terms, conditions, specification or instruction of a procurement solicitation (e.g. Invitation for Bids, Request for Quotes and Request for Proposals).

The following changes have been made to the solicitation identified above:

The Commonwealth has posted the following documentation as part of this addendum:

- Specifications (rev. 11.23.16)
- Questions & Answers (rev. 11.23.16)

Please note that the new point of contact for this IFB will be Tom Schwartz. Part I, Section I-1 of the Specifications has been updated to reflect this change.

Please note that Bidders may modify their bids at any time prior to the due date.

For electronic solicitations responses via the PASupplierPortal:

- Attach this addendum to your solicitation response.
- To attach the Addendum, download the Addendum and save to your computer. Move to “My Notes”, use the “Browse” button to find the document you just saved and press “Add” to upload the document.
- Review the Attributes section of our solicitation response to ensure you have responded, as required, to any question relevant to solicitation addenda issues subsequent to the initial advertisement of the solicitation opportunity,

Except as amended by this Addendum, the terms, conditions, specification, and instruction of the solicitation and any previous solicitation addenda, remain as originally written.

Very truly yours,

Name: Thomas M. Schwartz

Title: Commodity Specialist

Phone: 717-346-3828

Email: RA-OITPurchases@pa.gov

Date: November 29, 2016

Subject: Two-Way Radio Equipment and Services

Solicitation Number: 6100039075

Solicitation Due Date: December 1, 2016

Addendum Number: 4

To All Offerors/Bidders:

The Commonwealth of Pennsylvania defines a solicitation “Addendum” as an addition to or amendment of the original terms, conditions, specification or instruction of a procurement solicitation (e.g. Invitation for Bids, Request for Quotes and Request for Proposals).

The following changes have been made to the solicitation identified above:

The Commonwealth has posted the following documentation as part of this addendum:

- Questions & Answers (rev. 11.29.16)
- Specifications (rev. 11.29.16)

Please be advised that the bid due date has been extended to Thursday December 1, 2016 at 12:00pm.

For electronic solicitations responses via the PASupplierPortal:

- Attach this addendum to your solicitation response.
- To attach the Addendum, download the Addendum and save to your computer. Move to “My Notes”, use the “Browse” button to find the document you just saved and press “Add” to upload the document.
- Review the Attributes section of our solicitation response to ensure you have responded, as required, to any question relevant to solicitation addenda issues subsequent to the initial advertisement of the solicitation opportunity,

Except as amended by this Addendum, the terms, conditions, specification, and instruction of the solicitation and any previous solicitation addenda, remain as originally written.

Very truly yours,

Name: Thomas M. Schwartz

Title: Commodity Specialist

Phone: 717-346-3828

Email: RA-OITPurchases@pa.gov

Date: November 29, 2016

Subject: Two-Way Radio Equipment and Services

Solicitation Number: 6100039075

Solicitation Due Date: December 2, 2016 12:00 PM

Addendum Number: 5

To All Offerors/Bidders:

The Commonwealth of Pennsylvania defines a solicitation “Addendum” as an addition to or amendment of the original terms, conditions, specification or instruction of a procurement solicitation (e.g. Invitation for Bids, Request for Quotes and Request for Proposals).

The following changes have been made to the solicitation identified above:

The Commonwealth has posted the following documentation as part of this addendum:

- Appendix A, Manufacturer Discount List (rev. 11.29.16)
- Questions & Answers (rev. 11.29.16)

For electronic solicitations responses via the PASupplierPortal:

- Attach this addendum to your solicitation response.
- To attach the Addendum, download the Addendum and save to your computer. Move to “My Notes”, use the “Browse” button to find the document you just saved and press “Add” to upload the document.
- Review the Attributes section of our solicitation response to ensure you have responded, as required, to any question relevant to solicitation addenda issues subsequent to the initial advertisement of the solicitation opportunity,

Except as amended by this Addendum, the terms, conditions, specification, and instruction of the solicitation and any previous solicitation addenda, remain as originally written.

Very truly yours,

Name: Thomas M. Schwartz

Title: Commodity Specialist

Phone: 717-346-3828

Email: RA-OITPurchases@pa.gov

Date: November 30, 2016

Subject: Two-Way Radio Equipment and Services

Solicitation Number: 6100039075

Solicitation Due Date: December 2, 2016 12:00 PM

Addendum Number: 6

To All Offerors/Bidders:

The Commonwealth of Pennsylvania defines a solicitation “Addendum” as an addition to or amendment of the original terms, conditions, specification or instruction of a procurement solicitation (e.g. Invitation for Bids, Request for Quotes and Request for Proposals).

The following changes have been made to the solicitation identified above:

The Commonwealth has posted the following documentation as part of this addendum:

- Specifications (rev. 11.30.16)
- Questions & Answers (rev. 11.30.16)

For electronic solicitations responses via the PASupplierPortal:

- Attach this addendum to your solicitation response.
- To attach the Addendum, download the Addendum and save to your computer. Move to “My Notes”, use the “Browse” button to find the document you just saved and press “Add” to upload the document.
- Review the Attributes section of our solicitation response to ensure you have responded, as required, to any question relevant to solicitation addenda issues subsequent to the initial advertisement of the solicitation opportunity,

Except as amended by this Addendum, the terms, conditions, specification, and instruction of the solicitation and any previous solicitation addenda, remain as originally written.

Very truly yours,

Name: Thomas M. Schwartz

Title: Commodity Specialist

Phone: 717-346-3828

Email: RA-OITPurchases@pa.gov

Questions & Answers
 IFB 6100039075
 Two-Way Radio Equipment and Services

#	Question	Answer
1	<p>The IFB mentions ‘subcontractors’ does that mean that the Commonwealth of Pennsylvania will allow a Contractor to utilize Authorized Dealers to support both product sales and service? We have a strong network of Dealers in your region that we would like to put under our contract and give the option to the End-user to either work directly with them or our company (they choose).</p> <p>V.35 CONTRACT-028.1 Contractor Integrity Provisions Section 1.2.d. Contractor shall not have a financial interest in any other contractor, subcontractor, or supplier providing services, labor or material under this contract, unless the financial interest is disclosed to the Commonwealth in writing and the Commonwealth consents to Contractor's financial interest prior to Commonwealth execution of the contract. Contractor shall disclose the financial interest to the Commonwealth at the time of bid or proposal submission, or if no bids or proposals are solicited, no later than the Contractor's submission of the contract signed by Contractor.</p> <p>Please confirm that this is acceptable, with the understanding that our company is the primarily contract holder and would be responsible for all actions thereunder. Also, other than the Authorized Dealer’s Contact information, what would the Commonwealth require within our proposal to support these folks being added as our subcontractors (aka Authorized Resellers).</p>	<p>Authorized dealers are not permitted. Contractors are not permitted to allow authorized dealers to quote equipment and services through their contract. Please refer to Part II, Section II-1C of the Specifications.</p>
2	<p>It is my understanding that all contractors' equipment must be P25 Phase II capable in order to be on the state contract. Is this correct?</p>	<p>No, not all of the Contractor’s equipment must be P25 capable. The P25 requirements only apply to radios intended for use on the P25 Radio Network (STARNet). Please refer to Part II, Section II-2B.</p>
3	<p>According to the specifications, it appears that contractors must offer dual-band enabled VHF/800 MHz radios in order to participate on this new contract, correct?</p>	<p>No, only P25 Phase II radios must be dual-band enabled and capable of operating in the VHF and 800MHz frequency bands. Please refer to Part II, Section II-2B.</p>
4	<p>In addition, all P25 radios must be CAP tested with all relevant documentation listed on the DHS site. Please confirm.</p>	<p>Yes, all P25 radios must be CAP tested and declared compliant with all relevant documentation listed on the applicable United States Department of Homeland Security website. Please refer to Part II, Section II-2B and Appendix H, P25 Compliance Assessment Program.</p>

Questions & Answers
IFB 6100039075
Two-Way Radio Equipment and Services

#	Question	Answer
5	What is the contract duration including renewal options for the project?	Section V.2 CONTRACT-002.1a Term of Contract – Contract (May 2012) of the IFB has been revised and Section V.3 CONTRACT-002.2b Renewal of Contract Term – Mutual (Oct 2013) of the IFB has been added. The term of the contract is three (3) years with two (2) one (1) year renewal options.
6	Is there a means to add Financing Options (3 -5-10 years) as a consideration to this contract, or is there another vehicle within the Commonwealth to address?	Section V.46 CONTRACT-043.1 Leasing Additional Terms and Conditions (Oct 2013) of the IFB provides a leasing option.
7	Specifications, I-2, page 4: Our company offers our own equipment and some products from an OEM. The OEM products we offer are only a fraction of the portfolio from that OEM. We can offer full services for those products. Do we still need to submit pricing for the entire OEM portfolio and be able to offer their entire portfolio?	Bidders should submit pricing for all in scope equipment and services which they intend to sell through their contract resulting from this IFB. Please refer to Part I, Section I-2 of the Specifications.
8	Specifications: Are we able to take exceptions or partially comply to requirements within the specification document?	No. By submitted a bid a Bidder agrees and accepts the specification without exception. Please refer to subsection c of I.6 IFB-011.1B Submission of Bids – Electronic Submittal (May 2011) of the IFB.
9	Specifications II-1, B Dedicated Contacts, page 6: Our company provides a toll free number for warranty and service for all customers. Will this be sufficient to meet this requirement?	Yes, a toll free number is sufficient.
10	Are we able to take exceptions or partially comply to requirements within the Terms and Conditions document named IFB 6100039075 - Two-Way Radio Equipment and Services?	No. Please refer to subsection c. of I.6 IFB-011.1B Submission of Bids – Electronic Submittal (May 2011) of the IFB.
11	Are there any such pricing forms bidders are to fill with their proposals?	Yes, Bidders must complete and submit Appendix A, Manufacturer Discount List. Please refer to Part I, Section I-2 Bid Submission of the Specifications.

Questions & Answers
IFB 6100039075
Two-Way Radio Equipment and Services

#	Question	Answer
12	On Page 5 of 14 in the “Specifications For Two-Way Radio Equipment & Services,” under I-2 Bid Submission, it states that the submission of any documentation other than what is listed under this section may result in the bid being rejected; however, on page 6 of 14 in the same specs, under II-1. General Requirements, B, it states bidders must identify the dedicated contacts in Appendix J, Dedicated Contacts. Appendix J, Dedicated Contacts form is not listed under section I-2 Bid Submissions. Please provide Appendix J, Dedicated Contacts form and clarify if this form shall be provided by bidders at the time of submission.	Part I, Section I-2 of the Specifications has been revised to include Appendix E, Dedicated Contacts as a required document.
13	Would the Commonwealth consider allowing commercial vendors to include suggested edits to the contract’s T&C’s, particularly regarding insurance, supplier information and intellectual property, and additional reasonable risk mitigation terms?	No, please refer to subsection c of I.6 IFB-011.1B Submission of Bids – Electronic Submittal (May 2011) of the IFB.
14	Would the Commonwealth consider an extension of the deadline for submission of questions? There is a conflict between the information provided in I.3 IFB-008.1C No Pre-bid Conference and I.4 IFB-009.1 Questions and the IFB and the "Calendar of Events" in the Specifications document.	Bidders may submit questions until the due date identified in the Calendar of Events. The Commonwealth will make every effort to respond to questions submitted after the deadline.
15	Specifications II-1 General Requirements: Section E, Pricing: 1. Additional Discounts The last sentence says refer to Section V. 47 of the IFB, did you mean a different section of the IFB, possibly V.48?	Yes, Part II, Section II-1.E.1. has been revised to reference Section V.48.
16	Specifications II General Requirements: Section F, 3 Order Delivery: the information provided says XX business days, but does not state from what point in time. Can you clarify when the guaranteed delivery dates start from? Is it guaranteed within the requested delivery date or some other time frame?	Part II, Section II-1.F.2.d. has been revised to indicate that all incorrect shipments must be corrected within ten (10) business days from the date the Contractor is notified by the Commonwealth.
17	Specifications II-2 Equipment Requirements: Section A, 2: "Replacement parts must be made available for at least three (3) years after the warranty expiration at no cost to the Commonwealth." This is ambiguous can you please clarify what exactly the Commonwealth expects to receive "at no cost" during the three year period after warranty?	Part II, Section II-3.A.2. has been revised to remove the statement “at no cost to the Commonwealth”.

Questions & Answers
IFB 6100039075
Two-Way Radio Equipment and Services

#	Question	Answer
18	Specifications II-3 Services Requirements: Section F, Row 2 of the table: "Within twenty (30) business days." There appears to be a conflict between the numerical and word version, can you please confirm you intended to write "thirty" as also indicated previously in the document?	Part II, Section II-3.F. has been revised to indicate that custom order equipment must be delivered within thirty (30) business days.
19	Specifications II-4 Reporting Requirements: Would the Commonwealth be amenable to aligning the reporting dates with the fiscal calendar of the Vendor? Specifically, our quarters always end near the calendar quarter-end, but may be a few days away as our quarters always end on a Saturday.	No, the Commonwealth is not amenable to this request.
20	Will the Awarded Contractor have the opportunity to update their contract price list at various times during the year to reflect the introduction of new products, manufacturer's price changes, as well as deletions and substitutions of a manufacturer's discontinued items?	Yes, Contractor's will have the opportunity to update their contract price list at various times during the year to reflect the introduction of new products, manufacturer's price changes, as well as deletions and substitutions of a manufacturer's discontinued items. Please refer to Part II, Section II-1 E.3 of the Specifications.
21	II-4. Reporting Requirements: A. Quarterly Reports: Appendix E, Quarterly Report Template: Will the awarded Contractor also be required to provide these reports for COSTARS sales under the Contract?	Yes, Contractors must report sales to COSTARS members in accordance with subsection G. of I.9 IFB-027.1 COSTARS Program (April 2016) of the IFB.
22	F. Service Level Agreements (SLAs). Will the SLAs listed also apply to COSTARS sales under the Contract?	Yes, the SLAs also apply to COSTARS sales. Please refer to Section II. 1 IFB-006.1b COSTARS Program Election to Participate (July 2012) of the IFB.
23	Part II Requirements; Letter F Orders; #3 Order Delivery: Would the state consider extending their expected delivery date for "off-the-shelf" equipment from (30) days to (60) days?	No, the expected delivery date for "off-the-shelf" equipment will remain at thirty (30) days.
24	Part II Requirements; Letter I Training: Would the state please clarify if online training and webinars will suffice? Or, does the training have to be "in-class" trainings lead by a live instructor?	Online/web training may be sufficient; however, the Commonwealth must approve the method of the training. Please refer to Part II, Section II-1 J of the Specifications.
25	State of Manufacture Chart: At the top of the page, it is stated, "This form must be completed and returned with the bid." But, in the middle of the second paragraph, it is stated, "This chart must be completed and submitted with the bid or no later than two business days after notification from the Dept of General Services to furnish the information." Would you please clarify if this chart must be submitted with our bid?	Pursuant to Part I, Section I-2 of the Specifications, Bidders must submit Appendix C, State of Manufacture Chart along with their bid.

Questions & Answers
IFB 6100039075
Two-Way Radio Equipment and Services

#	Question	Answer
26	<p>A. <input type="checkbox"/> Are you looking for one (1) fixed discount for the contract or are we allowed to provide separate discounts by our product “category”.</p> <p>B. <input type="checkbox"/> My company offers several different lines of equipment, within the following Divisions:</p> <ul style="list-style-type: none"> •Avionics •Marine •Landmobile •Amateur <p>Being these are all considered “two-way radios”; are we allowed to submit each Division’s product within Appendix A at their respective proposed/fixed discounts from the MSRP?</p> <p>C. <input type="checkbox"/> I see within the answer to Questions 2-3 you confirm that equipment not being used on the STARNet are allowed on the contract; and within Question 4 if the Vendor is submitting P25 compliant gear on the contract it must also be not only Phase II, but also CAP Compliant if the End-user’s intention is to use on STARNet.</p> <p>May we include all of our equipment to give our valued Pennsylvania End-user’s the ability to purchase off our entire product line?</p>	<p>A. <input type="checkbox"/> Bidders may submit different discounts for each product category.</p> <p>B. <input type="checkbox"/> Bidders may submit different discounts for each manufacturer in a product category.</p> <p>C. <input type="checkbox"/> As set forth in Part I, Section I-2 of the Specifications, Bidders should submit pricing for all in-scope equipment and services which they intend to sell through their contract resulting from this IFB. Do not provide pricing for equipment categories not provided for in Appendix A, Manufacturer Discount List.</p>
27	Can you forward the a copy of the COSTARS Program election form.	Appendix D, COSTARS Program Election Form, is available in the same location where the Questions and Answers are posted for this IFB, on eMarketplace and the PA Supplier Portal.
28	How often is the COSTAR admin fee due?	The COSTAR administration fee is due annually. Please refer to Part I, Section I.9 IFB-027.1 COSTARS Program (April 2016) of the IFB.
29	Can you send us this specifications document that is referenced on page 15?	The specifications document referred to in Part IV, Section IV.1 IFB-001.1a of the IFB is available in the same location where the Questions and Answers are posted for this IFB, on eMarketplace and the PA Supplier Portal.
30	Can you forward us an audit checklist of all documents that are required for award of contract?	Bidders must submit the applicable documents listed in Part I, Section I-2 of the Specifications.
31	We manufacture our own parts can we sell these parts on this contract??	Yes, Bidders may sell products which they manufacture through their contract resulting from this IFB.
32	Is there a minimum purchase amount to use this contract?	No, there is no minimum purchase amount to use this contract.

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33	Does the contact require 3 quotes if there a threshold for the 3 quote requirement \$2,500?	Commonwealth agencies must solicit quotes from all contractors who offer the same products when the value of the order is estimated to exceed \$10,000.
34	Can you forward the lobbying cert and disclosure we need to complete?	Appendix B, Lobbying Certification For, is available in the same location where the Questions and Answers are posted for this IFB, on eMarketplace and the PA Supplier Portal.
35	For the state of manufacture form do you want every item number we sell? We have thousands of parts?	Bidders should list all of the states or foreign countries where the equipment they intend to sell through their contract is manufactured. Bidders need not list every item.
36	Do we need to have insurance endorsed to the commonwealth of PA prior to award?	No, prior to the commencement of work, Contractors are required to provide the Commonwealth with current certificates of insurance. See Section V.48 CONTRACT-045.1 Insurance - General (Dec 12 2006) of the IFB for additional information.
37	Because the pricing will be filled out via Appendix A, Manufacturer Discount Price List and the Manufacturer Price List, this form (the Bidder's bid output) may not be automatically populated per Page 14 of the Bidders Guide instructions. This form is pulled up when we select the "Print Preview" button to see our entire response in PDF format. Please confirm if we will need to separately fill this form out and get it signed and uploaded as an attachment at the time of submission.	Bidders are not required to fill out and attach the bid output form.
38	General Information: I-2 Bid Submission: Manufacturer Authorization Letters (if applicable): Are Manufacturer Authorization Letters required for Awarded Contractor's original part numbers which may contain another OEM's equipment?	As set forth in Part I, Section I-2 of the Specifications, if a Bidder is submitting a bid as a reseller of OEM two-way radio equipment and services, then that Bidder must submit a Manufacturer Authorization Letter from each OEM whose equipment they are reselling. Bidders that are OEMs are not required to submit Manufacturer Authorization Letters for equipment containing components made by other manufacturers.
39	With the impending Thanksgiving Holiday it has become increasing difficult to gather all information required. Would a two-week extension of the 11-23 IFB due date be possible?	The bid due date has been extended to December 2, 2016 at 12 p.m.

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40	<p>In reading through the bid, it appears to me that this bid is for radio equipment, but not for the equipment that powers and supports the radio equipment. Specifically, the Appendix A, Manufacturer Discount List has the product categories (below) which does not appear to have a category for DC Power Plants, Batteries, HVAC Systems, DC/AC Inverters, and related equipment. On the current contract we are supplying Batteries, Battery Racks, DC Power Plants, Outdoor Enclosures, HVAC, etc that was listed under a “Network Infrastructure and Remote Communication Sites” category which is not on this bid. Am I missing something?</p> <p>Manufacturer Discount List Product Categories on current bid:</p> <ul style="list-style-type: none">Mobile Devices and Accessories - Portable Hand Held RadiosMobile Devices and Accessories - Vehicular RadiosMobile Devices and Accessories - Other 2-way Radios and AccessoriesMobile Devices and Accessories - Mobile Antennas and AmplifiersMobile Devices and Accessories - Mobile Mounts and PowerMobile Devices and Accessories - Mobile Radio Batteries and ChargersMobile Devices and Accessories - Device Protection and Carry CasesMobile Devices and Accessories - Mobile Radio Service EquipmentFixed Station - Two-Way Radio Control StationsFixed Station - Two -Way Radio ConsolesFixed Station - Two-Way Radio Base StationsFixed Station - Two-Way Radio RepeatersFixed Station - Accessories and Service EquipmentFixed Station - Public Safety Interoperable Communications EquipmentFixed Station - Voice and Data Switching EquipmentTesting Equipment - RF Antenna and Equipment AnalyzersTesting Equipment - Spectrum AnalyzersTesting Equipment - Frequency CountersTesting Equipment - Service MonitorsTesting Equipment - Signal GeneratorsTesting Equipment - Other 2-way radio test equipment	<p>Appendix A, Manufacturer Discount List has been updated to include a “Network Infrastructure and Remote Communication Sites” category.</p>
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#	Question	Answer
41	Please advise if microwave and other data network components will be part of this contract.	Appendix A, Manufacturer Discount List has been updated to include a “Network Infrastructure and Remote Communication Sites” category which includes microwave and other data network components.
42	Please note that the specifications are incompatible with licensed microwave network gear, namely, the delivery timeframe.	Specifications Part II, Section II-1.F.3. and Part II, Section II-3.F. have been revised to indicate that custom order equipment must be delivered within thirty (30) business days or agreed upon delivery date between the Commonwealth and vendor.