

P25^{IP} P5100 PORTABLES

Band: 800, UHF, VHF
 Product Code: HM



P5150 P5130

Standard hardware and software features

Feature	ProVoice P5150 and P5130	EDACS P5150 and P5130	P25 ^{IP} Digital Conventional P5150 and P5130
Standard No. of Systems/Groups	128	128	NA
Up to 800 System/Group Combinations	No	No	No
No. of Conventional Channels*	255	255	255
Display	3-line 12-char alphanumeric LCD	3-line 12-char alphanumeric LCD	3-line 12-char alphanumeric LCD
Programmable Bandwidth – Narrowband or Wideband	✓	✓	✓
Keypad	Scan for P5150	Scan for P5150	Scan for P5150
Volume On/Off Control Knob	✓	✓	✓
Keypad Lock/Unlock	✓	✓	✓
Keypad Ramp/Wrap	✓	✓	✓
Low Battery Alert Tone	✓	✓	✓
16-Position System/Group Select Switch	✓	✓	✓
Immersion up to 1 meter for 4 hr	No	No	No
Programmable Function Keys	2	2	2
Programmable Option Key	✓ for P5150 No for P5130	✓ for P5150 No for P5130	✓ for P5150 No for P5130
Programmable Menu	✓ for P5150 No for P5130	✓ for P5150 No for P5130	✓ for P5150 No for P5130
Emergency	✓	✓	✓
Agency/Fleet/Group Calls	✓	✓	No
Individual Calls	✓	✓	✓
Interconnect Calls	✓	✓	✓
All Calls	✓	✓	✓
Auto Login	✓	✓	No
Low Power Transmit	✓	✓	✓
Remote Radio Disable	✓	✓	No
Conventional Failsoft™	✓	✓	NA

*Channel/group capacity is actually higher than 255 but is restricted due to 255 unique aliases and 255 unique frequencies programmed into the radio. Users who can re-use the same frequencies in different systems can actually go above 255 channels/groups.

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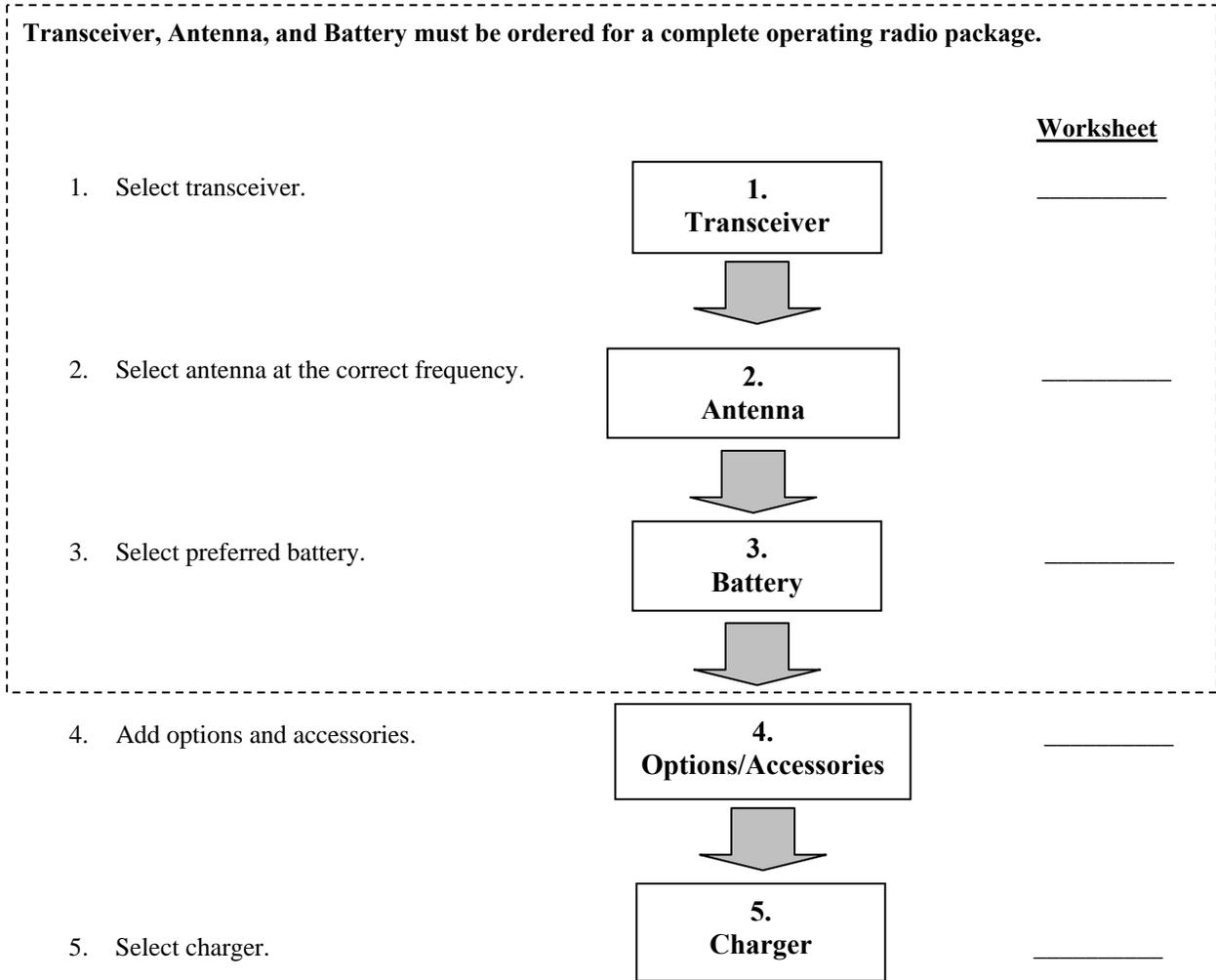
P25^{IP} P5100 PORTABLES

Band: 800, UHF, VHF
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Standard hardware and software features (Cont'd)

Feature	ProVoice P5150 and P5130	EDACS P5150 and P5130	P25^{IP} Digital Conventional P5150 and P5130
Carrier Control Timer	✓	✓	✓
Home Group	✓	✓	✓
Group Scan	✓	✓	✓
Priority Group Scan	✓	✓	✓
Dynamic Regroup	✓	✓	No
Status Message	Option	Option	No
ProFile™	Option	Option	No
ProScan™	Option	Option	No
Priority System Scan	Option	Option	No
Wide Area System Scan	✓	✓	No
ProVoice Digital Voice	✓	No	No
Aegis™ Digital Voice	✓	Option	No
DES Encryption	No	No	No
VGE Encryption	No	No	No
AES Encryption	No	No	No
FIPS-140-2 for DES Encryption	No	No	No
EDACS Data	Option	Option	No
EDACS Security Key (ESK)/ Personality Lock (PL)	Option (ESK)	Option (ESK)	Option (PL)
Project 25 Common Air Interface (digital conventional)	Option	Option	✓
Project 25 Data	Option	Option	Option
Project 25 Over-the-Air Re-keying (OTAR)	No	No	No
Channel Guard	✓	✓	✓
Digital Channel Guard	✓	✓	✓
5-Tone Signaling Encode	✓	✓	✓
Type 99 Encode/Decode	✓	✓	✓
Emergency G-STAR™/Standard G-STAR (ANI) Encode	✓	✓	✓
Channel Busy Lock-Out	✓	✓	✓
Scan	✓	✓	✓
Dual Priority Scan	✓	✓	✓
DTMF Encode	No	No	No
Direct Frequency Entry	No	No	No

ORDERING GUIDELINES FOR P5100 PORTABLES



P25^{IP} P5100 PORTABLES

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All P5100 orders must be placed through the Product Configurator. The following is for information only.

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

1. Transceiver* (Select one)

P5150 Radio Type (Scan)	ProVoice		EDACS		P25^{IP} Trunked		P25^{IP} Conventional	
806-870 MHz	MAHM-S8PXX	\$2695	MAHM-S8DXX	\$2025	MAHM-S8TXX	\$2845	MAHM-S8VXX	\$1915
450-512 MHz	MAHM-SUPXX	\$2745	MAHM-SUDXX	\$2075	MAHM-SUTXX	\$2895	MAHM-SUVXX	\$1965
378-430 MHz	MAHM-SNPXX	\$2745	MAHM-SNDXX	\$2075	MAHM-SNTXX	\$2895	MAHM-SNVXX	\$1965
136-174 MHz	MAHM-SHPXX	\$2745	MAHM-SHDXX	\$2075	MAHM-SHTXX	\$2895	MAHM-SHVXX	\$1965

P5130 Radio Type (Select)	ProVoice		EDACS		P25^{IP} Trunked		P25^{IP} Conventional	
806-870 MHz	MAHM-L8PXX	\$2595	MAHM-L8DXX	\$1925	MAHM-L8TXX	\$2745	MAHM-L8VXX	\$1815
450-512 MHz	MAHM-LUPXX	\$2645	MAHM-LUDXX	\$1975	MAHM-LUTXX	\$2795	MAHM-LUVXX	\$1865
378-430 MHz	MAHM-LNPXX	\$2645	MAHM-LNDXX	\$1975	MAHM-LNTXX	\$2795	MAHM-LNVXX	\$1865
136-174 MHz	MAHM-LHPXX	\$2645	MAHM-LHDXX	\$1975	MAHM-LHTXX	\$2795	MAHM-LHVXX	\$1865

Intrinsically Safe Mode

This mode upgrades the radio to Intrinsically Safe operation and supplies a battery. For IS models, add “-IS1” or “-IS2” to the end of the model numbers above. Models ending in -IS1 include a high capacity NiCd battery and models ending in -IS2 include an extra high capacity NiMH battery. For example, MAHM-S8TXX-IS2 is an Intrinsically Safe 800 MHz P25^{IP} Trunked P5100 with an extra high capacity NiMH battery.

P5150 Radio Type (Scan) <IS>	ProVoice		EDACS		P25^{IP} Trunked		P25^{IP} Conventional	
806-870 MHz	-IS1	\$2860	-IS1	\$2190	-IS1	\$3010	-IS1	\$2080
	-IS2	\$2880	-IS2	\$2210	-IS2	\$3030	-IS2	\$2100
450-512 MHz	-IS1	\$2910	-IS1	\$2240	-IS1	\$3060	-IS1	\$2130
378-430 MHz	-IS2	\$2930	-IS2	\$2260	-IS2	\$3080	-IS2	\$2150
136-174 MHz								

P5130 Radio Type (Select) <IS>	ProVoice		EDACS		P25^{IP} Trunked		P25^{IP} Conventional	
806-870 MHz	-IS1	\$2760	-IS1	\$2090	-IS1	\$2910	-IS1	\$1980
	-IS2	\$2780	-IS2	\$2110	-IS2	\$2930	-IS2	\$2000
450-512 MHz	-IS1	\$2810	-IS1	\$2140	-IS1	\$2960	-IS1	\$2030
378-430 MHz	-IS2	\$2830	-IS2	\$2160	-IS2	\$2980	-IS2	\$2050
136-174 MHz								

E/C	Model No.	List Price \$	Description
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Digital Voice Options

NMAHM-PL3T250DIGITAL VOICE, AEGIS™ UNENCRYPTED (option not applicable with ProVoice and Project 25)

*ProVoice digital trunked models include EDACS and analog conventional operation.

EDACS trunked models include analog conventional operation.

P25^{IP} digital conventional models include analog conventional operation.

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

<IS> INTRINSICALLY SAFE APPROVALS

An Accessory Description followed by the symbol <IS> indicates that the option is approved for use with Intrinsically Safe Radios through FM and CSA, <FM> denotes FM approval only and <CSA> denotes CSA approval only.

E/C	Model No.	List Price \$	Description
2. Antenna (Select one)			
N	MAHM-NC1K	21	ANTENNA, 806-870 MHZ, WHIP<IS>
N	MAHM-NC5X	40	ANTENNA, 764-870 MHZ, WHIP<IS>
N	MAHM-NC5K	30	ANTENNA, 764-870 MHZ, FLEXIBLE END FED GAIN<IS>
N	MAHM-NC1G	21	ANTENNA, 470-512 MHZ, HELICAL<IS>
N	MAHM-NC1N	21	ANTENNA, 450-512 MHZ, WHIP<IS>
N	MAHM-NC1F	21	ANTENNA, 450-494 MHZ, HELICAL<IS>
N	MAHM-NC1U	21	ANTENNA, 403-430 MHZ, HELICAL<IS>
N	MAHM-NC1L	21	ANTENNA, 378-430 MHZ, WHIP<IS>
N	MAHM-NC5B	21	ANTENNA, 378-403 MHZ, HELICAL<IS>
N	MAHM-NC1D	21	ANTENNA, 162-174 MHZ, HELICAL<IS>
N	MAHM-NC5W	21	ANTENNA, 150-174 MHZ, HELICAL WIDEBAND<IS>
N	MAHM-NC1C	21	ANTENNA, 150-162 MHZ, HELICAL<IS>
N	MAHM-NC1B	21	ANTENNA, 136-151 MHZ, HELICAL<IS>
3. Battery (Select one)			
N	MAHM-PA7Y	165	BATTERY, NIMH, EXTRA HIGH CAPACITY, SPARE<IS>
N	MAHM-PA7X	145	BATTERY, NICD, HIGH CAPACITY, SPARE <IS>
N	MAHM-PA9P	120	BATTERY, NIMH, EXTRA HIGH CAPACITY
N	MAHM-PA9N	100	BATTERY, NICD, HIGH CAPACITY
4. Options & Accessories			
ProVoice and EDACS Software Options			
N	MAHM-PL1X	305	FEATURE, ProScan™ Advanced Network Roaming
N	MAHM-PL5K	305	FEATURE, ProFile™ Over-the-Air Programming
N	MAHM-PL3X	205	FEATURE, EDACS DATA
N	MAHM-PL3Y	105	FEATURE, STATUS MESSAGE
N	MAHM-PL1Y	105	FEATURE, PRIORITY SYSTEM SCAN
N	MAHM-PL7G	105	FEATURE, EDACS SECURITY KEY
Project 25 Software Options			
N	MAHM-CA	850	FEATURE, P25 COMMON AIR INTERFACE (CAI) CONVENTIONAL DIGITAL, ADD-ON to ProVoice or EDACS radios
N	MAHM-PL7P	205	FEATURE, P25 DATA
N	MAHM-PL7G	105	FEATURE, P25 PERSONALITY LOCK
Cables			
N	MAHM-CJ5Z	130	CABLE, DATA INTERFACE
Industry Canada			
N	MAHM-EC1A	5	OPTION, INDUSTRY CANADA

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E/C	Model No.	List Price \$	Description
Speaker Microphones			
N	MAHM-AE7B	135	MICROPHONE, LAPEL/ANTENNA PROVISION Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port (Order antenna separately) <IS>
N	MAHM-AE7F	155	MICROPHONE, LAPEL, VEHICULAR CHARGER COMPATIBLE Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, and Earphone Jack<IS>
N	MAHM-AE7A	135	MICROPHONE, LAPEL Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, and Earphone Jack<IS>
N	MAHM-AE3Z	62	EARPHONE, LAPEL MICROPHONE For use with Speaker/Mics that have earphone jack <IS>
V	OT-V2-10122	170	MICROPHONE, LAPEL, INDUSTRIAL PLUS Includes Urethane Membrane over Speaker, Rubber PTT Button, and limited points of entry for blowing material found in most industrial environments
V	OT-V2-10121	175	MICROPHONE, LAPEL, INDUSTRIAL Includes Rubber PTT Button and limited points of entry for blowing material found in most industrial environments

Carrying Accessories

N	MAHM-HC9K	180	CASE, LEATHER, WITH LEATHER SHOULDER STRAP<IS>
N	MAHM-HC7N	130	CASE, LEATHER, WITH BELT LOOP & SWIVEL<IS>
N	MAHM-HC7R	80	CASE, NYLON, WITH BELT LOOP/SWIVEL, BLACK<IS>
N	MAHM-HC7S	65	CASE, NYLON, WITH BELT LOOP/SWIVEL, ORANGE<IS>
N	MAHM-HC7T	35	BELT LOOP, LEATHER, WITH SWIVEL<IS>
N	MAHM-HC7U	19	STRAP, NYLON, RADIO, "T" <IS>
N	MAHM-HC7P	16	BELT CLIP, METAL<IS>

Subminiature Remote Control Options

The Subminiature Remote Control Options listed below can be worn inconspicuously or easily concealed. Their sale must be in compliance with Section 2512 of the Omnibus Crime Control and Safe Streets Act of 1968 (Public Law 90-351). When they are sold to other than Public Agencies, the order must be accompanied by a completed copy of ECR-2408. NOTE: The following subminiature options are not approved for use in hazardous atmospheres.

V	OT-V4-10317	480	HEADSET, BEHIND THE HEAD
V	OT-V4-10316	450	HEADSET, OVER THE HEAD
V	OT-V4-10314	200	HEADSET, ULTRA LIGHT, WITH IN-LINE PTT, BLACK
V	OT-V4-10315	200	HEADSET, LIGHTWEIGHT, WITH 1 SPEAKER
V	OT-V1-10525	200	MICROPHONE, MINI-LAPEL, 3-WIRE, BLACK
V	OT-V1-10524	200	MICROPHONE, MINI-LAPEL, 3-WIRE, BEIGE
V	OT-V1-10523	200	MICROPHONE, PALM, 2-WIRE, BLACK
V	OT-V1-10522	200	MICROPHONE, PALM, 2-WIRE, BEIGE
V	OT-V1-10520	120	EARPHONE KIT, 1-WIRE, BLACK, Includes cable and connector
V	OT-V1-10521	120	EARPHONE KIT, 1-WIRE, BEIGE, Includes cable and connector

Manuals

V	MAMM-100HM	60	MANUAL, MAINTENANCE, P5100 SERIES, VHF
V	MAMM-420HM	60	MANUAL, MAINTENANCE, P5100 SERIES, UHF, 40W
V	MAMM-800HM	60	MANUAL, MAINTENANCE, P5100 SERIES, 800 MHZ

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E/C	Model No.	List Price \$	Description
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5. Chargers

Rapid Chargers

N	MAHM-CH9E	120	CHARGER, DESK, RAPID, 120/230 VAC
N	MAHM-CH9A	695	CHARGER, MULTI, RAPID, 120/230 VAC

Vehicular Chargers

C	H2VPDE	1255	CHARGER, VEHICULAR, ENHANCED, DUAL POSITION Includes Vehicular Charger, Mounting Bracket and Cables, Mic with Hookswitch, Mic Hanger Kit, Speaker, and Installation and Operator's Manuals. For NiCd or NiMH batteries. For this feature, use the speaker mic designated "Vehicular Charger Compatible."
C	H2VPRE	580	CHARGER, VEHICULAR, DUAL POSITION Includes Vehicular Charger, Mounting Bracket and Cables, Installation and Operator's Manuals. For NiCd or NiMH batteries. For this feature, use the speaker mic designated "Vehicular Charger Compatible."
C	MAH2-VC3P7	150	CHARGER, VC3000 CHARGER, P7100/5100
N	MAH2-NPS9X	25	POWER ADAPTER KIT, VC3000 CHARGER

Enhanced Vehicular Charger Options (Applies only to H2VPDE)

N	H2MA5U	655	KIT, CONTROL UNIT, HAND HELD CONTROLLER
N	H2MA3P	855	KIT, CONTROL UNIT, SYSTEM, REMOTE CONTROL
N	H2MA3H	655	KIT, CONTROL UNIT, SCAN, REMOTE CONTROL
N	H2MK3F	66	KIT, KEYCAP, SYSTEM CONTROL UNIT (72 Keys and Extractor Tool)
N	H2MK3E	26	KIT, KEYCAP, SCAN CONTROL UNIT (11 Keys and Extractor Tool)

Battery Charger/Analyzer/Conditioner

77	CADEX-7400	2710	BATTERY CONDITIONER/ANALYZER, 4 BAYS, Requires sleeves below
77	CADEX-C7 Adapter	71	ADAPTER, SLEEVE FOR CADEX-7400 SYSTEM FOR NICD/NIMH BATTERIES
77	BC3506QP-5	1425	BATTERY CONDITIONER/ANALYZER, IQ5 SYSTEM, 6 BAYS, Requires NiCd/NiMH sleeves below
77	BA1200	87	ADAPTER, SLEEVE FOR IQ5 SYSTEM, NICD BATTERIES
77	BA4547	87	ADAPTER, SLEEVE FOR IQ5 SYSTEM, NIMH BATTERIES

NOTE: Adapter sleeves for the P7200, P7100^{IP}, and P5100 are interchangeable because these portables use the same batteries. Both charger/conditioner/analyzer systems (Cadex-7400 and IQ5) also have adapters for other battery sizes. Adapters for different battery sizes can be mixed/matched on a system.

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P25^{IP} P7100^{IP} PORTABLES

Band: 800, UHF, VHF

Product Code: HT



Standard hardware and software features

Feature	ProVoice P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}	EDACS P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}	P25 ^{IP} Digital Conventional P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}	Conventional P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}
Standard No. of Systems/Groups	128	128	128	NA
Up to 800 System/Group Combinations	Option	Option	Option	NA
No. of Conventional Channels	255	255	255	255
Display	3-line 12-char alphanumeric LCD	3-line 12-char alphanumeric LCD	3-line 12-char alphanumeric LCD	3-line 12-char alphanumeric LCD
Programmable Bandwidth – Narrowband or Wideband per channel or system	✓	✓	✓	✓
Keypad	System for P7170 ^{IP} Scan for P7150 ^{IP} None for P7130 ^{IP}	System for P7170 ^{IP} Scan for P7150 ^{IP} None for P7130 ^{IP}	System for P7170 ^{IP} Scan for P7150 ^{IP} None for P7130 ^{IP}	System for P7170 ^{IP} Scan for P7150 ^{IP} None for P7130 ^{IP}
Volume On/Off Control Knob	✓	✓	✓	✓
Keypad Lock/Unlock	✓	✓	✓	✓
Keypad Ramp/Wrap	✓	✓	✓	✓
Low Battery Alert Tone	✓	✓	✓	✓
16-Position System/Group Select Switch	✓	✓	✓	✓
Programmable Function Keys (Side)	2	2	2	2
Programmable Option Key (Front)	✓ (No for P7130 ^{IP})	✓ (No for P7130 ^{IP})	✓ (No for P7130 ^{IP})	✓ (No for P7130 ^{IP})
Programmable Menu	✓ (No for P7130 ^{IP})	✓ (No for P7130 ^{IP})	✓ (No for P7130 ^{IP})	✓ (No for P7130 ^{IP})
Immersion up to 1 meter for 4 hr	Option	Option	Option	Option
Emergency	✓	✓	✓	✓ (G-STAR™)
Group Calls	✓	✓	✓	NA
Agency/Fleet Calls	✓	✓	NA	No
Individual Calls	✓	✓	✓	No
Interconnect Calls	✓	✓	No	No
All Calls	✓	✓	✓	No
Auto Login	✓	✓	NA	NA

P25^{IP} P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT

Standard hardware and software features (Cont'd)

Feature	ProVoice P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}	EDACS P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}	P25 ^{IP} Digital Conventional P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}	Conventional P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}
Low Power Transmit	✓	✓	✓	✓
Remote Radio Disable	✓	✓	No	No
Conventional Failsoft™	✓	✓	NA	No
Carrier Control Timer	✓	✓	✓	✓
Home Group	✓	✓	No	No
Group Scan	✓	✓	✓	✓
Priority Group Scan	✓	✓	No	No
Dynamic Regroup	✓	✓	No	No
Status Message	Option	Option	No	No
ProFile™ (OTAP)	Option	Option	No	No
ProScan™ (Roaming)	Option	Option	No	No
Priority System Scan (Roaming)	Option	Option	No	Option
Wide Area System Scan	✓	✓	No	No
Aegis™ Digital Voice	✓	Option	No	Option
ProVoice Digital Voice	✓	No	No	No
DES Encryption	Option	Option	Option	Option
VGE Encryption	Option	Option	Option	Option
AES Encryption	Future Option	NA	Option	NA
FIPS-140-2 for DES Encryption	Option	NA	Option	NA
EDACS Trunking	Option	Option	Option	Option
EDACS Data	Option	Option	NA	NA
EDACS Security Key (ESK)/ Personality Lock (PL)	Option (ESK)	Option (ESK)	Option (PL)	Option (PL)
Project 25 Common Air Interface (digital conventional)	Option	Option	✓	NA
Project 25 Trunking	Option	Option	Option	Option
Project 25 Data	Future option for P25	Future option for P25	Future Option	NA
Project 25 Over-the-Air Re-keying (OTAR)	Future Option	Future Option	Future Option	NA
Channel Guard (CTCSS)	✓	✓	✓	✓
Digital Channel Guard	✓	✓	✓	✓
5-Tone Signaling Encode	✓	✓	✓	✓
Type 99 Encode/Decode	✓	✓	✓	✓
Emergency G-STAR™/Standard G-STAR (ANI) Encode	✓	✓	✓	✓
Channel Busy Lock-Out	✓	✓	✓	✓
Scan	✓	✓	✓	✓
Dual Priority Scan	✓	✓	✓	✓
DTMF Encode	✓ for P7170 ^{IP}	✓ for P7170 ^{IP}	✓ for P7170 ^{IP}	✓ for P7170 ^{IP}
Direct Frequency Entry	Option	Option	Option	Option

ORDERING GUIDELINES FOR P7100^{IP} PORTABLES

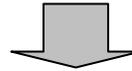
Transceiver, Operational Mode Feature Package, Antenna, & Battery must be ordered for a complete operating radio package.

To order Intrinsically Safe radios, radio and <IS> battery must be ordered at the same time.

Worksheet

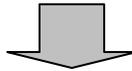
1. Select transceiver.

1.
Transceiver



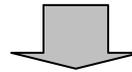
2. Select operational mode.

2.
Operational Mode



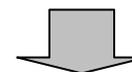
3. Select antenna at the correct frequency.

3.
Antenna



4. Select preferred battery.

4.
Battery



5. Add options and accessories.

5.
Options/Accessories



6. Select charger.

6.
Charger

P25^{IP} P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT

All P7100^{IP} orders must be placed through the Product Configurator. The following is for information only.

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

1. Transceiver (Select one)

P7170^{IP} Radio Type	Unencrypted		DES (64-Bit)		AES (256-Bit)	
System, 806-870 MHz	HT7170T81X	\$2020	HT7170T81E	\$2520	HT7170T81A	\$2870
System, 450-512 MHz	HT7170TU1X	\$1820	HT7170TU1E	\$2320	HT7170TU1A	\$2670
System, 378-430 MHz	HT7170TN1X	\$1820	HT7170TN1E	\$2320	HT7170TN1A	\$2670
System, 136-174 MHz	HT7170TH1X	\$1770	HT7170TH1E	\$2270	HT7170TH1A	\$2620

P7150^{IP} Radio Type	Unencrypted		DES (64-Bit)		AES (256-Bit)	
Scan, 806-870 MHz	HT7150S81X	\$1820	HT7150S81E	\$2320	HT7150S81A	\$2670
Scan, 450-512 MHz	HT7150SU1X	\$1620	HT7150SU1E	\$2120	HT7150SU1A	\$2470
Scan, 378-430 MHz	HT7150SN1X	\$1620	HT7150SN1E	\$2120	HT7150SN1A	\$2470
Scan, 136-174 MHz	HT7150SH1X	\$1570	HT7150SH1E	\$2070	HT7150SH1A	\$2420

P7130^{IP} Radio Type	Unencrypted		DES (64-Bit)		AES (256-Bit)	
Select, 806-870 MHz	HT7130E81X	\$1720	HT7130E81E	\$2220	HT7130E81A	\$2570
Select, 378-430 MHz	HT7130EN1X	\$1520	HT7130EN1E	\$2020	HT7130EN1A	\$2370

Intrinsically Safe Mode

This mode upgrades the radio to Intrinsically Safe operation and supplies a battery. For IS models, add “-IS1” or “-IS2” to the end of the model numbers above. Models ending in -IS1 include a high capacity NiCd battery and models ending in -IS2 include an extra high capacity NiMH battery. For example, HT7170T81X-IS2 is an Intrinsically Safe 800 MHz Unencrypted P7170^{IP} with an extra high capacity NiMH battery.

P7170^{IP} System <IS>	Unencrypted		DES (64-Bit)		AES (256-Bit)	
806-870 MHz	-IS1	\$2185	-IS1	\$2685	-IS1	\$3035
	-IS2	\$2205	-IS2	\$2705	-IS2	\$3055
450-512 MHz 378-430 MHz	-IS1	\$1985	-IS1	\$2485	-IS1	\$2835
	-IS2	\$2005	-IS2	\$2505	-IS2	\$2855
136-174 MHz	-IS1	\$1985	-IS1	\$2435	-IS1	\$2785
	-IS2	\$2005	-IS2	\$2455	-IS2	\$2805

For keyloader, see page 10.1-1.

EXPORT CONTROL NOTE: ALL Digital Voice encrypted products may require a validated Export License issued by the Department of Commerce. Certain non-encrypted commodities may require a validated Export License issued by the Department of Commerce depending on customer name and destination country. The following countries are currently under embargo by the USA: Cuba, North Korea, Libya, Iran, Iraq, Sudan, and Syria.

P25^{IP} P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT

All P7100^{IP} orders must be placed through the Product Configurator. The following is for information only.

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

Intrinsically Safe Mode

This mode upgrades the radio to Intrinsically Safe operation and supplies a battery. For IS models, add “-IS1” or “-IS2” to the end of the model numbers above. Models ending in -IS1 include a high capacity NiCd battery and models ending in -IS2 include an extra high capacity NiMH battery. For example, HT7170T81X-IS2 is an Intrinsically Safe 800 MHz Unencrypted P7170^{IP} with an extra high capacity NiMH battery.

P7150^{IP} Scan <IS>	Unencrypted		DES (64-Bit)		AES (256-Bit)	
806-870 MHz	-IS1	\$1985	-IS1	\$2485	-IS1	\$2835
	-IS2	\$2005	-IS2	\$2505	-IS2	\$2855
450-512 MHz 378-430 MHz	-IS1	\$1785	-IS1	\$2285	-IS1	\$2635
	-IS2	\$1805	-IS2	\$2305	-IS2	\$2655
136-174 MHz	-IS1	\$1735	-IS1	\$2235	-IS1	\$2585
	-IS2	\$1755	-IS2	\$2255	-IS2	\$2605

P7130^{IP} Select <IS>	Unencrypted		DES (64-Bit)		AES (256-Bit)	
806-870 MHz	-IS1	\$1885	-IS1	\$2385	-IS1	\$2735
	-IS2	\$1905	-IS2	\$2405	-IS2	\$2755
378-430 MHz	-IS1	\$1685	-IS1	\$2185	-IS1	\$2535
	-IS2	\$1705	-IS2	\$2205	-IS2	\$2555

For keyloader, see page 10.1-1.

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P25^{IP} P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT

All P7100^{IP} orders must be placed through the Product Configurator. The following is for information only.

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

E/C	Model No.	List Price \$	Description
2. Operational Mode Packages (Must select one if operational modes in addition to analog conventional are required.) (See preceding pages for feature lists.)			
N	.....HTCA	.....850	.....FEATURE PACKAGE, PROJECT 25 COMMON AIR INTERFACE, CONVENTIONAL DIGITAL, UNENCRYPTED (applies to any Operational Mode Feature Package except HTPT)
N	.....HTPT	.....1795	.....FEATURE PACKAGE, P25 TRUNKING (includes P25 CAI operation)
N	.....HTED	.....1095	.....FEATURE PACKAGE, EDACS TRUNKING OPERATION (includes Conventional operation)
N	.....HTPV	.....1795	.....FEATURE PACKAGE, PROVOICE DIGITAL TRUNKING OPERATION (includes EDACS and Conventional operation)
N	.....MAHT-PKGPP	.....2395	.....FEATURE PACKAGE, P25 TRUNKING AND PROVOICE (includes P25 CAI, EDACS, and Conventional operation)

Immersible Mode (This feature upgrades the radio to Immersible operation.)

NHTMR230IMMERSIBLE RADIO OPERATION (applies to any Operational Mode Feature Package)
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Aegis™ Voice Options (ProVoice and EDACS Unencrypted Radios only)

NHTPL3T250DIGITAL VOICE, AEGIS
N	.....HTVE	.....800	.....ENCRYPTION, 64-BIT, VGE AND AEGIS DIGITAL VOICE (includes Aegis digital voice option)

Option for DES Encrypted Radios

NHTFPFutureFIPS 140-2 OPERATION, for DES Encrypted radios only
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3. Antenna (Select one)

NHTNC1K21ANTENNA, 806-870 MHZ, WHIP <IS>
NHTNC5X40ANTENNA, 764-870 MHZ, WHIP <IS>
N	.....HTNC5K	.....30	.....ANTENNA, 764-870 MHZ, FLEXIBLE END FED GAIN <IS>
N	.....HTNC1G	.....21	.....ANTENNA, 470-512 MHZ, HELICAL <IS>
N	.....HTNC1N	.....21	.....ANTENNA, 450-512 MHZ, WHIP <IS>
N	.....HTNC1F	.....21	.....ANTENNA, 450-494 MHZ, HELICAL <IS>
N	.....HTNC1U	.....21	.....ANTENNA, 403-430 MHZ, HELICAL <IS>
N	.....HTNC1L	.....21	.....ANTENNA, 378-430 MHZ, WHIP <IS>
N	.....HTNC5B	.....21	.....ANTENNA, 378-403 MHZ, HELICAL <IS>
N	.....HTNC1D	.....21	.....ANTENNA, 162-174 MHZ, HELICAL <IS>
N	.....HTNC5W	.....21	.....ANTENNA, 150-174 MHZ, HELICAL WIDEBAND <IS>
N	.....HTNC1C	.....21	.....ANTENNA, 150-162 MHZ, HELICAL <IS>
N	.....HTNC1B	.....21	.....ANTENNA, 136-151 MHZ, HELICAL <IS>

P25^{IP} P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT

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

<IS> INTRINSICALLY SAFE APPROVALS

An Accessory Description followed by the symbol <IS> indicates that the option is approved for use with Intrinsically Safe Radios through FM and CSA, <FM> denotes FM approval only and <CSA> denotes CSA approval only.

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

Immersible (Must be ordered with Immersible Radio (HTMR))

N	HTPA7Y	165	BATTERY, NIMH, EXTRA HIGH CAPACITY, SPARE<IS>
N	HTPA7X	145	BATTERY, NICD, HIGH CAPACITY, SPARE <IS>
N	HTPA7W	135	BATTERY, NIMH, EXTRA HIGH CAPACITY
N	HTPA7V	115	BATTERY, NICD, HIGH CAPACITY

Driven Rain

N	HTPA9P	120	BATTERY, NIMH, EXTRA HIGH CAPACITY
N	HTPA9N	100	BATTERY, NICD, HIGH CAPACITY

5. Options & Accessories

Software Options

N	HTPL7K	105	FEATURE, DIRECT FREQUENCY ENTRY
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ProVoice and EDACS Software Options*

N	HTEN	550	FEATURE, EXTENDED NETWORK: 800 SYSTEMS/GROUPS, ProScan™ and ProFile™
N	HTPL1X	305	FEATURE, ProScan™ Advanced Network Roaming
N	HTPL5K	305	FEATURE, ProFile™ Over-the-Air Programming
N	HTPL3R	205	FEATURE, 800 SYSTEMS/GROUPS
N	HTPL3X	205	FEATURE, EDACS DATA
N	HTPL1Y	105	FEATURE, PRIORITY SYSTEM SCAN
N	HTPL7G	105	FEATURE, EDACS SECURITY KEY
N	HTTS	105	FEATURE, STATUS/MESSAGE AND TEXTLINK

*Note that Emergency and Dynamic Regroup are now included in the standard radio software package.

Project 25 Software Options

N	HTPL5L	Future	FEATURE, P25 OVER-THE-AIR RE-KEYING (OTAR)
N	HTPL7P	Future	FEATURE, P25 DATA (Conventional only)
N	HTPL7G	105	FEATURE, P25 PERSONALITY LOCK

Cables

N	HTCJ5Z	130	CABLE, DATA INTERFACE
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Industry Canada

N	HTEC1A	5	OPTION, INDUSTRY CANADA
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P25^{IP} P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT

<IS> INTRINSICALLY SAFE APPROVALS

An Accessory Description followed by the symbol <IS> indicates that the option is approved for use with Intrinsically Safe Radios through FM and CSA, <FM> denotes FM approval only and <CSA> denotes CSA approval only.

NOTE: Order the Immersion rated or Ruggedized Immersion rated speaker microphones for use with the immersible radio option.

E/C	Model No.	List Price \$	Description
Ruggedized Immersion Rated Speaker Microphones			
N	HTAE7K	300	MICROPHONE, LAPEL, ANTENNA PROVISION, RUGGEDIZED, MINI-COILED CABLE Includes Mini-Coiled Cable, Rubber PTT Button, Emergency Button, Antenna Port (Order antenna separately), and Watertight Accessory Connector. Immersion Rated to 1 Meter. Pressure Wash Rated<IS>
N	HTAE7J	285	MICROPHONE, LAPEL, ANTENNA PROVISION, RUGGEDIZED Includes Straight Cord, Rubber PTT Button, Emergency Button, Antenna Port (Order antenna separately), and Watertight Accessory Connector. Immersion Rated to 1 Meter. Pressure Wash Rated<IS>
N	HTAE7H	235	MICROPHONE, LAPEL, RUGGEDIZED Includes Rubber PTT Button, Emergency Button, and Watertight Accessory Connector. Immersion Rated to 1 Meter. Pressure Wash Rated<IS>
Immersion Rated Speaker Microphones			
N	HTAE7E	220	MICROPHONE, LAPEL, ANTENNA PROVISION IMMERSION RATED, COILED CABLE Includes Coiled Cable, Rubber PTT Button, 2-Position Volume Control, and Antenna Port (Order antenna separately). Immersion Rated to 1 Meter<IS>
N	HTAE7D	165	MICROPHONE, LAPEL, ANTENNA PROVISION, IMMERSION RATED Includes Rubber PTT Button, 2-Position Volume Control, and Antenna Port (Order antenna separately). Immersion Rated to 1 Meter <IS>
N	HTAE7C	160	MICROPHONE, LAPEL, IMMERSION RATED Includes Rubber PTT Button and 2-Position Volume Control. Immersion Rated to 1 Meter<IS>
Standard Speaker Microphones			
N	HTAE7B	135	MICROPHONE, LAPEL/ANTENNA PROVISION Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port (Order antenna separately) <IS>
V	OT-V2-10122	170	MICROPHONE, LAPEL, INDUSTRIAL PLUS Includes Urethane Membrane over Speaker, Rubber PTT Button, and limited points of entry for blowing material found in most industrial environments
V	OT-V2-10121	175	MICROPHONE, LAPEL, INDUSTRIAL Includes Rubber PTT Button and limited points of entry for blowing material found in most industrial environments
N	HTAE7G	155	MICROPHONE, LAPEL, ANTENNA PROVISION, VEHICULAR CHARGER COMPATIBLE Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port (Order antenna separately) <IS>
N	HTAE7F	155	MICROPHONE, LAPEL, VEHICULAR CHARGER COMPATIBLE Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, and Earphone Jack<IS>

P25^{IP} P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT

<IS> INTRINSICALLY SAFE APPROVALS

An Accessory Description followed by the symbol <IS> indicates that the option is approved for use with Intrinsically Safe Radios through FM and CSA, <FM> denotes FM approval only and <CSA> denotes CSA approval only.

E/C	Model No.	List Price \$	Description
Standard Speaker Microphones (Cont'd)			
N	HTAE7A	135	MICROPHONE, LAPEL Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, and Earphone Jack <IS>
N	HTAE5J	93	MICROPHONE, LAPEL/ANTENNA PROVISION Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port (Order antenna separately)
N	HTAE3Z	62	EARPHONE, LAPEL MICROPHONE For use with Speaker/Mics that have an earphone jack <IS>

Carrying Accessories

N	HTHC9K	180	CASE, LEATHER, WITH LEATHER SHOULDER STRAP <IS>
N	HTHC7N	130	CASE, LEATHER, WITH BELT LOOP & SWIVEL<IS>
N	HTHC7R	80	CASE, NYLON, WITH BELT LOOP/SWIVEL, BLACK<IS>
N	HTHC7S	65	CASE, NYLON, WITH BELT LOOP/SWIVEL, ORANGE<IS>
N	HTHC7T	35	BELT LOOP, LEATHER, WITH SWIVEL<IS>
N	HTHC7U	19	STRAP, NYLON, RADIO, "T"<IS>
N	HTHC7P	16	BELT CLIP, METAL<IS>

Subminiature Remote Control Options

The Subminiature Remote Control Options listed below can be worn inconspicuously or easily concealed. Their sale must be in compliance with Section 2512 of the Omnibus Crime Control and Safe Streets Act of 1968 (Public Law 90-351). When they are sold to other than Public Agencies, the order must be accompanied by a completed copy of ECR-2408. NOTE: The following subminiature options are not approved for use in hazardous atmospheres.

V	OT-V4-10317	480	HEADSET, BEHIND THE HEAD
V	OT-V4-10316	450	HEADSET, OVER THE HEAD
V	OT-V4-10314	200	HEADSET, ULTRA LIGHT, WITH IN-LINE PTT, BLACK
V	OT-V4-10315	200	HEADSET, LIGHTWEIGHT, WITH 1 SPEAKER
V	OT-V1-10525	200	MICROPHONE, MINI-LAPEL, 3-WIRE, BLACK
V	OT-V1-10524	200	MICROPHONE, MINI-LAPEL, 3-WIRE, BEIGE
V	OT-V1-10523	200	MICROPHONE, PALM, 2-WIRE, BLACK
V	OT-V1-10522	200	MICROPHONE, PALM, 2-WIRE, BEIGE
V	OT-V1-10520	120	EARPHONE KIT, 1-WIRE, BLACK, Includes cable and connector
V	OT-V1-10521	120	EARPHONE KIT, 1-WIRE, BEIGE, Includes cable and connector

Manuals

V	MM100HT	60	MANUAL, MAINTENANCE, P7100 ^{IP} SERIES, VHF
V	MM420HT	60	MANUAL MAINTENANCE, P7100 ^{IP} SERIES, UHF, 4W
V	MM800HT	60	MANUAL MAINTENANCE, P7100 ^{IP} SERIES, 800 MHZ

P25^{IP} P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT

E/C	Model No.	List Price \$	Description
6. Chargers			
Rapid Chargers			
N	HTCH9E	120	CHARGER, DESK, RAPID, 120/230 VAC
N	HTCH9A	695	CHARGER, MULTI, RAPID, 120/230 VAC
Vehicular Chargers			
C	H2VPDE	1255	CHARGER, VEHICULAR, ENHANCED, DUAL POSITION Includes Vehicular Charger, Mounting Bracket and Cables, Mic with Hookswitch, Mic Hanger Kit, Speaker, and Installation and Operator's Manuals. For NiCd or NiMH batteries. For this feature, use the speaker mics designated "Vehicular Charger Compatible."
C	H2VPRE	580	CHARGER, VEHICULAR, DUAL POSITION Includes Vehicular Charger, Mounting Bracket and Cables, Installation and Operator's Manuals. For NiCd or NiMH batteries. For this feature, use the speaker mics designated "Vehicular Charger Compatible."
C	MAH2-VC3P7	150	CHARGER, VC3000 CHARGER, P7100/5100
N	MAH2-NPS9X	25	POWER ADAPTER KIT, VC3000 CHARGER
Enhanced Vehicular Charger Options (Applies only to H2VPDE)			
N	H2MA5U	655	KIT, CONTROL UNIT, HAND HELD CONTROLLER
N	H2MA3P	855	KIT, CONTROL UNIT, SYSTEM, REMOTE CONTROL
N	H2MA3H	655	KIT, CONTROL UNIT, SCAN, REMOTE CONTROL
N	H2MK3F	66	KIT, KEYCAP, SYSTEM CONTROL UNIT (72 Keys and Extractor Tool)
N	H2MK3E	26	KIT, KEYCAP, SCAN CONTROL UNIT (11 Keys and Extractor Tool)
Battery Charger/Analyzer/Conditioner			
77	CADEX-7400	2710	BATTERY CONDITIONER/ANALYZER, 4 BAYS, Requires sleeves below
77	CADEX-C7 Adapter	71	ADAPTER, SLEEVE FOR CADEX-7400 SYSTEM FOR NICD/NIMH BATTERIES
77	BC3506QP-5	1425	BATTERY CONDITIONER/ANALYZER, IQ5 SYSTEM, 6 BAYS, Requires NiCd/NiMH sleeves below
77	BA1200	87	ADAPTER, SLEEVE FOR IQ5 SYSTEM, NICD BATTERIES
77	BA4547	87	ADAPTER, SLEEVE FOR IQ5 SYSTEM, NIMH BATTERIES
NOTE: Adapter sleeves for the P7200, P7100 ^{IP} , and P5100 are interchangeable because these portables use the same batteries. Both charger/conditioner/analyzer systems (Cadex-7400 and IQ5) also have adapters for other battery sizes. Adapters for different battery sizes can be mixed/matched on a system.			

P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT



P7170^{IP} P7150^{IP} P7130^{IP}

Standard hardware and software features

Feature	ProVoice P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}	EDACS P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}	P25 ^{IP} Digital Conventional P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}	Conventional P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}
Standard No. of Systems/Groups	128	128	128	NA
Up to 800 System/Group Combinations	Option	Option	Option	NA
No. of Conventional Channels	255	255	255	255
Display	3-line 12-char alphanumeric LCD	3-line 12-char alphanumeric LCD	3-line 12-char alphanumeric LCD	3-line 12-char alphanumeric LCD
Programmable Bandwidth – Narrowband or Wideband per channel or system	✓	✓	✓	✓
Keypad	System for P7170 ^{IP} Scan for P7150 ^{IP} None for P7130 ^{IP}	System for P7170 ^{IP} Scan for P7150 ^{IP} None for P7130 ^{IP}	System for P7170 ^{IP} Scan for P7150 ^{IP} None for P7130 ^{IP}	System for P7170 ^{IP} Scan for P7150 ^{IP} None for P7130 ^{IP}
Volume On/Off Control Knob	✓	✓	✓	✓
Keypad Lock/Unlock	✓	✓	✓	✓
Keypad Ramp/Wrap	✓	✓	✓	✓
Low Battery Alert Tone	✓	✓	✓	✓
16-Position System/Group Select Switch	✓	✓	✓	✓
Programmable Function Keys (Side)	2	2	2	2
Programmable Option Key (Front)	✓ (No for P7130 ^{IP})	✓ (No for P7130 ^{IP})	✓ (No for P7130 ^{IP})	✓ (No for P7130 ^{IP})
Programmable Menu	✓ (No for P7130 ^{IP})	✓ (No for P7130 ^{IP})	✓ (No for P7130 ^{IP})	✓ (No for P7130 ^{IP})
Immersion up to 1 meter for 4 hr	Option	Option	Option	Option
Emergency	✓	✓	✓	✓ (G-STAR™)
Group Calls	✓	✓	✓	NA
Agency/Fleet Calls	✓	✓	NA	No
Individual Calls	✓	✓	✓	No
Interconnect Calls	✓	✓	No	No
All Calls	✓	✓	✓	No
Auto Login	✓	✓	NA	NA

P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT

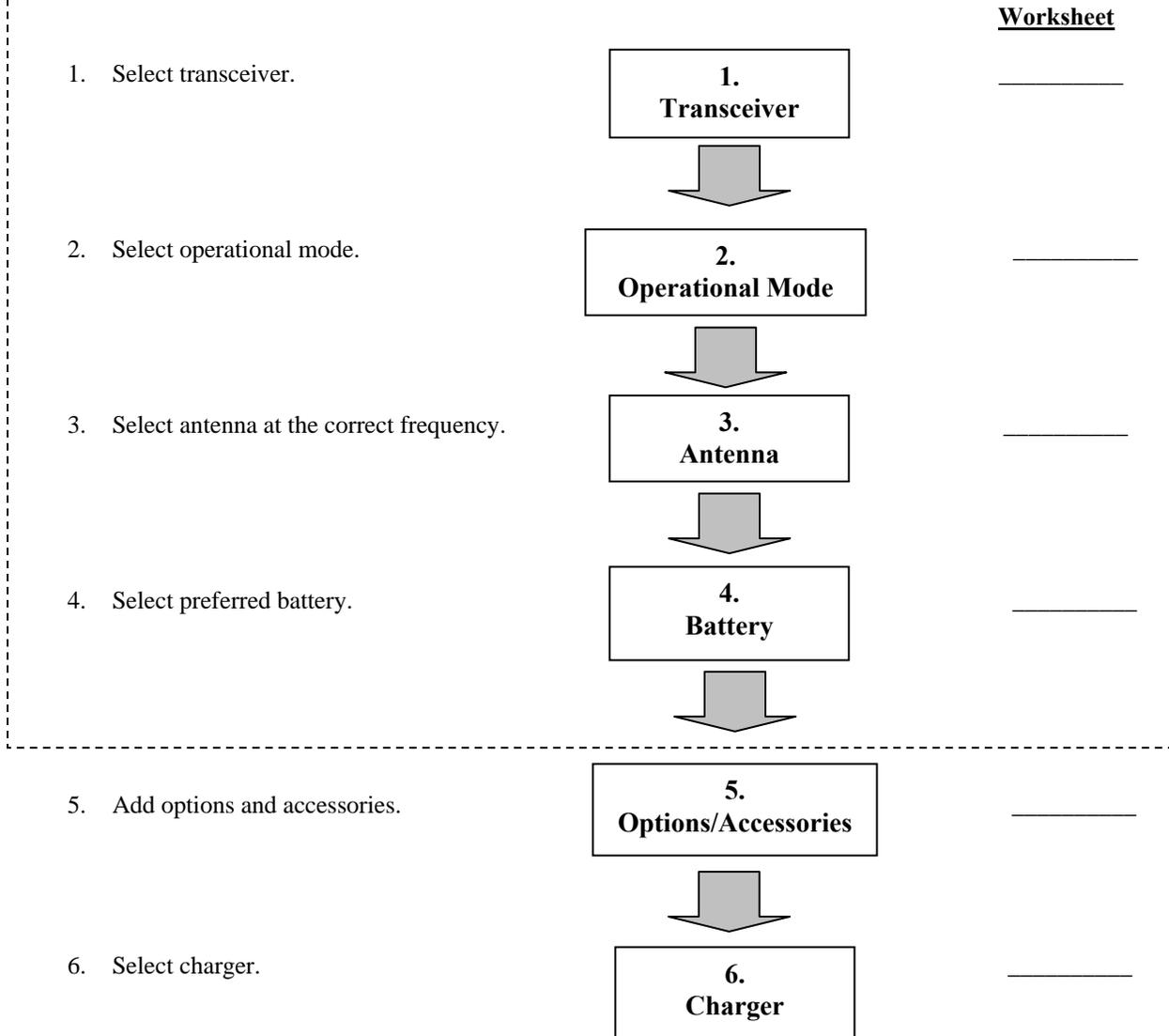
Standard hardware and software features (Cont'd)

Feature	ProVoice P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}	EDACS P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}	P25 ^{IP} Digital Conventional P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}	Conventional P7170 ^{IP} , P7150 ^{IP} , & P7130 ^{IP}
Low Power Transmit	✓	✓	✓	✓
Remote Radio Disable	✓	✓	No	No
Conventional Failsoft™	✓	✓	NA	No
Carrier Control Timer	✓	✓	✓	✓
Home Group	✓	✓	No	No
Group Scan	✓	✓	✓	✓
Priority Group Scan	✓	✓	No	No
Dynamic Regroup	✓	✓	No	No
Status Message	Option	Option	No	No
ProFile™ (OTAP)	Option	Option	No	No
ProScan™ (Roaming)	Option	Option	No	No
Priority System Scan (Roaming)	Option	Option	No	Option
Wide Area System Scan	✓	✓	No	No
Aegis™ Digital Voice	✓	Option	No	Option
ProVoice Digital Voice	✓	No	No	No
DES Encryption	Option	Option	Option	Option
VGE Encryption	Option	Option	Option	Option
AES Encryption	Future Option	NA	Option	NA
FIPS-140-2 for DES Encryption	Option	NA	Option	NA
EDACS Trunking	Option	Option	Option	Option
EDACS Data	Option	Option	NA	NA
EDACS Security Key (ESK)/ Personality Lock (PL)	Option (ESK)	Option (ESK)	Option (PL)	Option (PL)
Project 25 Common Air Interface (digital conventional)	Option	Option	✓	NA
Project 25 Trunking	Option	Option	Option	Option
Project 25 Data	Future option for P25	Future option for P25	Future Option	NA
Project 25 Over-the-Air Re-keying (OTAR)	Future Option	Future Option	Future Option	NA
Channel Guard (CTCSS)	✓	✓	✓	✓
Digital Channel Guard	✓	✓	✓	✓
5-Tone Signaling Encode	✓	✓	✓	✓
Type 99 Encode/Decode	✓	✓	✓	✓
Emergency G-STAR™/Standard G-STAR (ANI) Encode	✓	✓	✓	✓
Channel Busy Lock-Out	✓	✓	✓	✓
Scan	✓	✓	✓	✓
Dual Priority Scan	✓	✓	✓	✓
DTMF Encode	✓ for P7170 ^{IP}	✓ for P7170 ^{IP}	✓ for P7170 ^{IP}	✓ for P7170 ^{IP}
Direct Frequency Entry	Option	Option	Option	Option

ORDERING GUIDELINES FOR P7100^{IP} PORTABLES

Transceiver, Operational Mode Feature Package, Antenna, & Battery must be ordered for a complete operating radio package.

To order Intrinsically Safe radios, radio and <IS> battery must be ordered at the same time.



P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT

All P7100^{IP} orders must be placed through the Product Configurator. The following is for information only.

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

1. Transceiver (Select one)

P7170^{IP} Radio Type	Unencrypted		DES (64-Bit)		AES (256-Bit)	
System, 806-870 MHz	HT7170T81X	\$2020	HT7170T81E	\$2520	HT7170T81A	\$2870
System, 450-512 MHz	HT7170TU1X	\$1820	HT7170TU1E	\$2320	HT7170TU1A	\$2670
System, 378-430 MHz	HT7170TN1X	\$1820	HT7170TN1E	\$2320	HT7170TN1A	\$2670
System, 136-174 MHz	HT7170TH1X	\$1770	HT7170TH1E	\$2270	HT7170TH1A	\$2620

P7150^{IP} Radio Type	Unencrypted		DES (64-Bit)		AES (256-Bit)	
Scan, 806-870 MHz	HT7150S81X	\$1820	HT7150S81E	\$2320	HT7150S81A	\$2670
Scan, 450-512 MHz	HT7150SU1X	\$1620	HT7150SU1E	\$2120	HT7150SU1A	\$2470
Scan, 378-430 MHz	HT7150SN1X	\$1620	HT7150SN1E	\$2120	HT7150SN1A	\$2470
Scan, 136-174 MHz	HT7150SH1X	\$1570	HT7150SH1E	\$2070	HT7150SH1A	\$2420

P7130^{IP} Radio Type	Unencrypted		DES (64-Bit)		AES (256-Bit)	
Select, 806-870 MHz	HT7130E81X	\$1720	HT7130E81E	\$2220	HT7130E81A	\$2570
Select, 378-430 MHz	HT7130EN1X	\$1520	HT7130EN1E	\$2020	HT7130EN1A	\$2370

Intrinsically Safe Mode

This mode upgrades the radio to Intrinsically Safe operation and supplies a battery. For IS models, add “-IS1” or “-IS2” to the end of the model numbers above. Models ending in -IS1 include a high capacity NiCd battery and models ending in -IS2 include an extra high capacity NiMH battery. For example, HT7170T81X-IS2 is an Intrinsically Safe 800 MHz Unencrypted P7170^{IP} with an extra high capacity NiMH battery.

P7170^{IP} System <IS>	Unencrypted		DES (64-Bit)		AES (256-Bit)	
806-870 MHz	-IS1	\$2185	-IS1	\$2685	-IS1	\$3035
	-IS2	\$2205	-IS2	\$2705	-IS2	\$3055
450-512 MHz 378-430 MHz	-IS1	\$1985	-IS1	\$2485	-IS1	\$2835
	-IS2	\$2005	-IS2	\$2505	-IS2	\$2855
136-174 MHz	-IS1	\$1985	-IS1	\$2435	-IS1	\$2785
	-IS2	\$2005	-IS2	\$2455	-IS2	\$2805

For keyloader, see page 10.1-1.

EXPORT CONTROL NOTE: ALL Digital Voice encrypted products may require a validated Export License issued by the Department of Commerce. Certain non-encrypted commodities may require a validated Export License issued by the Department of Commerce depending on customer name and destination country. The following countries are currently under embargo by the USA: Cuba, North Korea, Libya, Iran, Iraq, Sudan, and Syria.

P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT

All P7100^{IP} orders must be placed through the Product Configurator. The following is for information only.

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

Intrinsically Safe Mode

This mode upgrades the radio to Intrinsically Safe operation and supplies a battery. For IS models, add “-IS1” or “-IS2” to the end of the model numbers above. Models ending in -IS1 include a high capacity NiCd battery and models ending in -IS2 include an extra high capacity NiMH battery. For example, HT7170T81X-IS2 is an Intrinsically Safe 800 MHz Unencrypted P7170^{IP} with an extra high capacity NiMH battery.

P7150^{IP} Scan <IS>	Unencrypted		DES (64-Bit)		AES (256-Bit)	
806-870 MHz	-IS1	\$1985	-IS1	\$2485	-IS1	\$2835
	-IS2	\$2005	-IS2	\$2505	-IS2	\$2855
450-512 MHz 378-430 MHz	-IS1	\$1785	-IS1	\$2285	-IS1	\$2635
	-IS2	\$1805	-IS2	\$2305	-IS2	\$2655
136-174 MHz	-IS1	\$1735	-IS1	\$2235	-IS1	\$2585
	-IS2	\$1755	-IS2	\$2255	-IS2	\$2605

P7130^{IP} Select <IS>	Unencrypted		DES (64-Bit)		AES (256-Bit)	
806-870 MHz	-IS1	\$1885	-IS1	\$2385	-IS1	\$2735
	-IS2	\$1905	-IS2	\$2405	-IS2	\$2755
378-430 MHz	-IS1	\$1685	-IS1	\$2185	-IS1	\$2535
	-IS2	\$1705	-IS2	\$2205	-IS2	\$2555

For keyloader, see page 10.1-1.

EXPORT CONTROL NOTE: ALL Digital Voice encrypted products may require a validated Export License issued by the Department of Commerce. Certain non-encrypted commodities may require a validated Export License issued by the Department of Commerce depending on customer name and destination country. The following countries are currently under embargo by the USA: Cuba, North Korea, Libya, Iran, Iraq, Sudan, and Syria.

P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT

All P7100^{IP} orders must be placed through the Product Configurator. The following is for information only.

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

E/C	Model No.	List Price \$	Description
2. Operational Mode Packages (Must select one if operational modes in addition to analog conventional are required.) (See preceding pages for feature lists.)			
N	.....HTCA	.....850	.....FEATURE PACKAGE, PROJECT 25 COMMON AIR INTERFACE, CONVENTIONAL DIGITAL, UNENCRYPTED (applies to any Operational Mode Feature Package except HTPT)
N	.....HTPT	.....1795	.....FEATURE PACKAGE, P25 TRUNKING (includes P25 CAI operation)
N	.....HTED	.....1095	.....FEATURE PACKAGE, EDACS TRUNKING OPERATION (includes Conventional operation)
N	.....HTPV	.....1795	.....FEATURE PACKAGE, PROVOICE DIGITAL TRUNKING OPERATION (includes EDACS and Conventional operation)
N	.....MAHT-PKGPP	.....2395	.....FEATURE PACKAGE, P25 TRUNKING AND PROVOICE (includes P25 CAI, EDACS, and Conventional operation)

Immersible Mode (This feature upgrades the radio to Immersible operation.)

NHTMR.....230IMMERSIBLE RADIO OPERATION (applies to any Operational Mode Feature Package)

Aegis™ Voice Options (ProVoice and EDACS Unencrypted Radios only)

NHTPL3T250DIGITAL VOICE, AEGIS
 NHTVE.....800ENCRYPTION, 64-BIT, VGE AND AEGIS DIGITAL VOICE (includes Aegis digital voice option)

Option for DES Encrypted Radios

NHTFP..... FutureFIPS 140-2 OPERATION, for DES Encrypted radios only

3. Antenna (Select one)

NHTNC1K.....21ANTENNA, 806-870 MHZ, WHIP <IS>
 NHTNC5X.....40ANTENNA, 764-870 MHZ, WHIP <IS>
 NHTNC5K.....30ANTENNA, 764-870 MHZ, FLEXIBLE END FED GAIN <IS>
 NHTNC1G.....21ANTENNA, 470-512 MHZ, HELICAL <IS>
 NHTNC1N.....21ANTENNA, 450-512 MHZ, WHIP <IS>
 NHTNC1F.....21ANTENNA, 450-494 MHZ, HELICAL <IS>
 NHTNC1U.....21ANTENNA, 403-430 MHZ, HELICAL <IS>
 NHTNC1L.....21ANTENNA, 378-430 MHZ, WHIP <IS>
 NHTNC5B.....21ANTENNA, 378-403 MHZ, HELICAL <IS>
 NHTNC1D.....21ANTENNA, 162-174 MHZ, HELICAL <IS>
 NHTNC5W.....21ANTENNA, 150-174 MHZ, HELICAL WIDEBAND <IS>
 NHTNC1C.....21ANTENNA, 150-162 MHZ, HELICAL <IS>
 NHTNC1B.....21ANTENNA, 136-151 MHZ, HELICAL <IS>

P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT

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

<IS> INTRINSICALLY SAFE APPROVALS

An Accessory Description followed by the symbol <IS> indicates that the option is approved for use with Intrinsically Safe Radios through FM and CSA, <FM> denotes FM approval only and <CSA> denotes CSA approval only.

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

Immersible (Must be ordered with Immersible Radio (HTMR))

N	HTPA7Y	165	BATTERY, NIMH, EXTRA HIGH CAPACITY, SPARE<IS>
N	HTPA7X	145	BATTERY, NICD, HIGH CAPACITY, SPARE <IS>
N	HTPA7W	135	BATTERY, NIMH, EXTRA HIGH CAPACITY
N	HTPA7V	115	BATTERY, NICD, HIGH CAPACITY

Driven Rain

N	HTPA9P	120	BATTERY, NIMH, EXTRA HIGH CAPACITY
N	HTPA9N	100	BATTERY, NICD, HIGH CAPACITY

5. Options & Accessories

Software Options

N	HTPL7K	105	FEATURE, DIRECT FREQUENCY ENTRY
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ProVoice and EDACS Software Options*

N	HTEN	550	FEATURE, EXTENDED NETWORK: 800 SYSTEMS/GROUPS, ProScan™ and ProFile™
N	HTPL1X	305	FEATURE, ProScan™ Advanced Network Roaming
N	HTPL5K	305	FEATURE, ProFile™ Over-the-Air Programming
N	HTPL3R	205	FEATURE, 800 SYSTEMS/GROUPS
N	HTPL3X	205	FEATURE, EDACS DATA
N	HTPL1Y	105	FEATURE, PRIORITY SYSTEM SCAN
N	HTPL7G	105	FEATURE, EDACS SECURITY KEY
N	HTTS	105	FEATURE, STATUS/MESSAGE AND TEXTLINK

*Note that Emergency and Dynamic Regroup are now included in the standard radio software package.

Project 25 Software Options

N	HTPL5L	Future	FEATURE, P25 OVER-THE-AIR RE-KEYING (OTAR)
N	HTPL7P	Future	FEATURE, P25 DATA (Conventional only)
N	HTPL7G	105	FEATURE, P25 PERSONALITY LOCK

Cables

N	HTCJ5Z	130	CABLE, DATA INTERFACE
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Industry Canada

N	HTEC1A	5	OPTION, INDUSTRY CANADA
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P7100^{IP} PORTABLES

Band: 800, UHF, VHF

Product Code: HT

<IS> INTRINSICALLY SAFE APPROVALS

An Accessory Description followed by the symbol <IS> indicates that the option is approved for use with Intrinsically Safe Radios through FM and CSA, <FM> denotes FM approval only and <CSA> denotes CSA approval only.

NOTE: Order the Immersion rated or Ruggedized Immersion rated speaker microphones for use with the immersible radio option.

E/C	Model No.	List Price \$	Description
Ruggedized Immersion Rated Speaker Microphones			
N	HTAE7K	300	MICROPHONE, LAPEL, ANTENNA PROVISION, RUGGEDIZED, MINI-COILED CABLE Includes Mini-Coiled Cable, Rubber PTT Button, Emergency Button, Antenna Port (Order antenna separately), and Watertight Accessory Connector. Immersion Rated to 1 Meter. Pressure Wash Rated<IS>
N	HTAE7J	285	MICROPHONE, LAPEL, ANTENNA PROVISION, RUGGEDIZED Includes Straight Cord, Rubber PTT Button, Emergency Button, Antenna Port (Order antenna separately), and Watertight Accessory Connector. Immersion Rated to 1 Meter. Pressure Wash Rated<IS>
N	HTAE7H	235	MICROPHONE, LAPEL, RUGGEDIZED Includes Rubber PTT Button, Emergency Button, and Watertight Accessory Connector. Immersion Rated to 1 Meter. Pressure Wash Rated<IS>
Immersion Rated Speaker Microphones			
N	HTAE7E	220	MICROPHONE, LAPEL, ANTENNA PROVISION IMMERSION RATED, COILED CABLE Includes Coiled Cable, Rubber PTT Button, 2-Position Volume Control, and Antenna Port (Order antenna separately). Immersion Rated to 1 Meter<IS>
N	HTAE7D	165	MICROPHONE, LAPEL, ANTENNA PROVISION, IMMERSION RATED Includes Rubber PTT Button, 2-Position Volume Control, and Antenna Port (Order antenna separately). Immersion Rated to 1 Meter <IS>
N	HTAE7C	160	MICROPHONE, LAPEL, IMMERSION RATED Includes Rubber PTT Button and 2-Position Volume Control. Immersion Rated to 1 Meter<IS>
Standard Speaker Microphones			
N	HTAE7B	135	MICROPHONE, LAPEL/ANTENNA PROVISION Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port (Order antenna separately) <IS>
V	OT-V2-10122	170	MICROPHONE, LAPEL, INDUSTRIAL PLUS Includes Urethane Membrane over Speaker, Rubber PTT Button, and limited points of entry for blowing material found in most industrial environments
V	OT-V2-10121	175	MICROPHONE, LAPEL, INDUSTRIAL Includes Rubber PTT Button and limited points of entry for blowing material found in most industrial environments
N	HTAE7G	155	MICROPHONE, LAPEL, ANTENNA PROVISION, VEHICULAR CHARGER COMPATIBLE Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port (Order antenna separately) <IS>
N	HTAE7F	155	MICROPHONE, LAPEL, VEHICULAR CHARGER COMPATIBLE Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, and Earphone Jack<IS>

P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT

<IS> INTRINSICALLY SAFE APPROVALS

An Accessory Description followed by the symbol <IS> indicates that the option is approved for use with Intrinsically Safe Radios through FM and CSA, <FM> denotes FM approval only and <CSA> denotes CSA approval only.

E/C	Model No.	List Price \$	Description
Standard Speaker Microphones (Cont'd)			
N	HTAE7A	135	MICROPHONE, LAPEL Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, and Earphone Jack <IS>
N	HTAE5J	93	MICROPHONE, LAPEL/ANTENNA PROVISION Includes Rubber PTT Button, Emergency Button, 2-Position Volume Control, Earphone Jack, and Antenna Port (Order antenna separately)
N	HTAE3Z	62	EARPHONE, LAPEL MICROPHONE For use with Speaker/Mics that have an earphone jack <IS>

Carrying Accessories

N	HTHC9K	180	CASE, LEATHER, WITH LEATHER SHOULDER STRAP<IS>
N	HTHC7N	130	CASE, LEATHER, WITH BELT LOOP & SWIVEL<IS>
N	HTHC7R	80	CASE, NYLON, WITH BELT LOOP/SWIVEL, BLACK<IS>
N	HTHC7S	65	CASE, NYLON, WITH BELT LOOP/SWIVEL, ORANGE<IS>
N	HTHC7T	35	BELT LOOP, LEATHER, WITH SWIVEL<IS>
N	HTHC7U	19	STRAP, NYLON, RADIO, "T"<IS>
N	HTHC7P	16	BELT CLIP, METAL<IS>

Subminiature Remote Control Options

The Subminiature Remote Control Options listed below can be worn inconspicuously or easily concealed. Their sale must be in compliance with Section 2512 of the Omnibus Crime Control and Safe Streets Act of 1968 (Public Law 90-351). When they are sold to other than Public Agencies, the order must be accompanied by a completed copy of ECR-2408. NOTE: The following subminiature options are not approved for use in hazardous atmospheres.

V	OT-V4-10317	480	HEADSET, BEHIND THE HEAD
V	OT-V4-10316	450	HEADSET, OVER THE HEAD
V	OT-V4-10314	200	HEADSET, ULTRA LIGHT, WITH IN-LINE PTT, BLACK
V	OT-V4-10315	200	HEADSET, LIGHTWEIGHT, WITH 1 SPEAKER
V	OT-V1-10525	200	MICROPHONE, MINI-LAPEL, 3-WIRE, BLACK
V	OT-V1-10524	200	MICROPHONE, MINI-LAPEL, 3-WIRE, BEIGE
V	OT-V1-10523	200	MICROPHONE, PALM, 2-WIRE, BLACK
V	OT-V1-10522	200	MICROPHONE, PALM, 2-WIRE, BEIGE
V	OT-V1-10520	120	EARPHONE KIT, 1-WIRE, BLACK, Includes cable and connector
V	OT-V1-10521	120	EARPHONE KIT, 1-WIRE, BEIGE, Includes cable and connector

Manuals

V	MM100HT	60	MANUAL, MAINTENANCE, P7100 ^{IP} SERIES, VHF
V	MM420HT	60	MANUAL MAINTENANCE, P7100 ^{IP} SERIES, UHF, 4W
V	MM800HT	60	MANUAL MAINTENANCE, P7100 ^{IP} SERIES, 800 MHZ

P7100^{IP} PORTABLES

Band: 800, UHF, VHF
 Product Code: HT

E/C	Model No.	List Price \$	Description
6. Chargers			
Rapid Chargers			
N	HTCH9E	120	CHARGER, DESK, RAPID, 120/230 VAC
N	HTCH9A	695	CHARGER, MULTI, RAPID, 120/230 VAC
Vehicular Chargers			
C	H2VPDE	1255	CHARGER, VEHICULAR, ENHANCED, DUAL POSITION Includes Vehicular Charger, Mounting Bracket and Cables, Mic with Hookswitch, Mic Hanger Kit, Speaker, and Installation and Operator's Manuals. For NiCd or NiMH batteries. For this feature, use the speaker mics designated "Vehicular Charger Compatible."
C	H2VPRE	580	CHARGER, VEHICULAR, DUAL POSITION Includes Vehicular Charger, Mounting Bracket and Cables, Installation and Operator's Manuals. For NiCd or NiMH batteries. For this feature, use the speaker mics designated "Vehicular Charger Compatible."
C	MAH2-VC3P7	150	CHARGER, VC3000 CHARGER, P7100/5100
N	MAH2-NPS9X	25	POWER ADAPTER KIT, VC3000 CHARGER
Enhanced Vehicular Charger Options (Applies only to H2VPDE)			
N	H2MA5U	655	KIT, CONTROL UNIT, HAND HELD CONTROLLER
N	H2MA3P	855	KIT, CONTROL UNIT, SYSTEM, REMOTE CONTROL
N	H2MA3H	655	KIT, CONTROL UNIT, SCAN, REMOTE CONTROL
N	H2MK3F	66	KIT, KEYCAP, SYSTEM CONTROL UNIT (72 Keys and Extractor Tool)
N	H2MK3E	26	KIT, KEYCAP, SCAN CONTROL UNIT (11 Keys and Extractor Tool)
Battery Charger/Analyzer/Conditioner			
77	CADEX-7400	2710	BATTERY CONDITIONER/ANALYZER, 4 BAYS, Requires sleeves below
77	CADEX-C7 Adapter	71	ADAPTER, SLEEVE FOR CADEX-7400 SYSTEM FOR NICD/NIMH BATTERIES
77	BC3506QP-5	1425	BATTERY CONDITIONER/ANALYZER, IQ5 SYSTEM, 6 BAYS, Requires NiCd/NiMH sleeves below
77	BA1200	87	ADAPTER, SLEEVE FOR IQ5 SYSTEM, NICD BATTERIES
77	BA4547	87	ADAPTER, SLEEVE FOR IQ5 SYSTEM, NIMH BATTERIES
NOTE: Adapter sleeves for the P7200, P7100 ^{IP} , and P5100 are interchangeable because these portables use the same batteries. Both charger/conditioner/analyzer systems (Cadex-7400 and IQ5) also have adapters for other battery sizes. Adapters for different battery sizes can be mixed/matched on a system.			