



Hytera DMR Product Overview

X1p Overview



Item	Specifications
Frequency Bands	136-174 MHz; 400-470 MHz; 450-520MHz
Dimensions	4.7 x 2.24 x 0.91 in. (1800mAh Li-ion Battery)
Weight	about 9.88 oz. (1800 mAh Li-ion Battery)
RF Output Power	Low: 1W; High: 5W(VHF) /4W(UHF)
Battery Life	Digital: about 15 Hours (1800mAh Li-ion battery)
Channel Capacity	1024
Dust & Water Intrusion	IP67 Standard



- Dual Modes (Analog & Digital)
- DMR Tier-III Trunking **Optional**
- Individual Call, Group Call & All Call
- GPS **Included**
- Man Down **Included**
- MDC1200, 2-Tone & 5-Tone
- Pseudo Trunking
- **Vibration**
- Priority Interrupt **Included**
- Lone Worker
- Rental Feature
- Telemetry
- Emergency & **Dedicated Top Key**
- Open API for 3rd Party Partner
- Basic Encryption (40bit,128bit,256bit)
- Enhanced Encryption (ARC40bit, AES128 / 256bit) **Optional**
- Site Roaming **Included Free**
- Remote Monitor (Decode & Encode) **Included**
- Radio Kill & Revive (Decode & Encode) **Included**

X1e Overview



Item	Specifications
Frequency Bands	136-174 MHz; 400-470 MHz; 450-520MHz
Dimensions	4.7 x 2.24 x 1.02 in. (1800mAh Li-ion Battery)
Weight	about 9.17 oz. (1800 mAh Li-ion Battery)
RF Output Power	Low: 1W; High: 5W(VHF) /4W(UHF)
Battery Life	Digital: about 15 Hours (1800mAh Li-ion battery)
Channel Capacity	32
Dust & Water Intrusion	IP67 Standard



- Dual Modes (Analog & Digital)
- DMR Tier-III Trunking **Optional**
- Individual Call, Group Call & All Call
- GPS **Included**
- Man Down **Included**
- MDC1200, 2-Tone & 5-Tone
- Pseudo Trunking
- **Vibration**
- Priority Interrupt **Included**
- Lone Worker
- Rental Feature
- Telemetry
- Emergency & **Dedicated Top Key**
- Open API for 3rd Party Partner
- Basic Encryption (40bit,128bit,256bit)
- Enhanced Encryption (ARC40bit, AES128 / 256bit) **Optional**
- Site Roaming **Included Free**
- Remote Monitor (Decode) **Included**
- Radio Kill & Revive (Decode) **Included**

PD782 Overview



Item	Specifications
Frequency Bands	136-174 MHz; 400-470 MHz; 450-520MHz
Dimensions	4.9 x 2.17 x 1.46 in. (2000mAh Li-ion Battery)
Weight	about 12.52 oz. (2000 mAh Li-ion Battery)
RF Output Power	Low: 1W; High: 5W(VHF) /4W(UHF)
Battery Life	Digital: about 15 Hours (2000mAh Li-ion battery)
Channel Capacity	1024
Dust & Water Intrusion	IP67 Standard



- Dual Modes (Analog & Digital)
- DMR Tier-III Trunking **Optional**
- Individual Call, Group Call & All Call
- GPS **Optional**
- Man Down **Optional**
- MDC1200, 2-Tone & 5-Tone
- Pseudo Trunking
- Priority Interrupt **Included**
- **Vibration**
- Lone Worker
- Rental Feature
- Telemetry
- Emergency & **Dedicated Top Key**
- Open API for 3rd Party Partner
- Basic Encryption (40bit,128bit,256bit)
- Enhanced Encryption (ARC40bit, AES128 / 256bit) **Optional**
- Site Roaming **Included Free**
- Radio Kill & Revive (Encode & Decode) **Included**
- Remote Monitor (Encode & Decode) **Included**

PD702 Overview



Item	Specifications
Frequency Bands	136-174 MHz; 400-470 MHz; 450-520MHz
Dimensions	4.9 x 2.17 x 1.38 in. (2000mAh Li-ion Battery)
Weight	about 11.82 oz. (2000 mAh Li-ion Battery)
RF Output Power	Low: 1W; High: 5W(VHF) /4W(UHF)
Battery Life	Digital: about 15 Hours (2000mAh Li-ion battery)
Channel Capacity	32
Dust & Water Intrusion	IP67 Standard



- Dual Modes (Analog & Digital)
- DMR Tier-III Trunking **Optional**
- Individual Call, Group Call & All Call
- GPS **Optional**
- Man Down **Optional**
- MDC1200, 2-Tone & 5-Tone
- Pseudo Trunking
- **Vibration**
- Priority Interrupt **Included**
- Lone Worker
- Rental Feature
- Telemetry
- Emergency & **Dedicated Top Key**
- Open API for 3rd Party Partner
- Basic Encryption (40bit,128bit,256bit)
- Enhanced Encryption (ARC40bit, AES128 / 256bit) **Optional**
- Site Roaming **Included Free**
- Remote Monitor (Decode) **Included**
- Radio Kill & Revive (Decode) **Included**

PD602 Overview



Item	Specifications
Frequency Bands	136-174 MHz; 400-527MHz
Dimensions	4.68 x 2.12 x 1.06 in. (1500mAh Li-ion Battery)
Weight	about 10.22 oz. (1500 mAh Li-ion Battery)
RF Output Power	Low: 1W; High: 5W(VHF) /4W(UHF)
Battery Life	Digital: about 16 Hours (1500mAh Li-ion battery)
Channel Capacity	32
Dust & Water Intrusion	IP67 Standard



- Dual Modes (Analog & Digital)
- Individual Call, Group Call & All Call
- **GPS Optional**
- Man Down **Optional**
- MDC1200, 2-Tone & 5-Tone
- Remote Monitor (Decode) **Included**
- Radio Kill & Revive (Decode) **Included**
- Priority Interrupt **Optional**
- Lone Worker
- Rental Feature
- Telemetry
- Emergency
- Open API for 3rd Party Partner
- Basic Encryption (40bit,128bit,256bit)
- Enhanced Encryption (ARC40bit, AES128 / 256bit) **Optional**
- Site Roaming **Included Free**
- Pseudo Trunking
- **DMO True 2 Slot**

PD502 Overview



Item	Specifications
Frequency Bands	136-174 MHz; 400-470 MHz
Dimensions	4.53 x 2.13 x 1.06 in. (1500mAh Li-ion Battery)
Weight	about 9.17 oz. (1500 mAh Li-ion Battery)
RF Output Power	Low: 1W; High: 5W(VHF) /4W(UHF)
Battery Life	Digital: about 16 Hours (1500mAh Li-ion battery)
Channel Capacity	32
Dust & Water Intrusion	IP54 Standard

- Dual Modes (Analog & Digital)
- Individual Call, Group Call & All Call
- MDC1200, 2-Tone & 5-Tone
- Remote Monitor (Decode) **Optional**
- Radio Kill & Revive (Decode) **Optional**
- Priority Interrupt **Optional**
- Rental Feature
- Basic Encryption (40bit,128bit,256bit)
- Site Roaming **Included Free**
- Pseudo Trunking
- **DMO True 2 Slot**



PD5, PD6, PD7, & X1 Series



Features		P5	P6	P7	X1
Optional Module	GPS	N/A	Optional	Optional	Included
	Mandown	N/A	Optional	Optional	Included
	Vibration	N/A	N/A	Included	Included
Operating Mode	Analog Conventional	Included	Included	Included	Included
	Digital Conventional	Included	Included	Included	Included
	Analog Trunking	N/A	N/A	Optional	Optional
	Digital Trunking	N/A	N/A	Optional	Optional
Analog Conventional Features	Scrambler	Included	Included	Included	Included
	2-Tone	Included	Included	Included	Included
	5-Tone	Included	Included	Included	Included
	MDC1200	Included	Included	Included	Included
Hardware Interface	Accessories API	N/A	Included	Included	Included
	GOB	N/A	N/A	Optional	Optional
Software Interface	General API for OTAP, Work Order, Ctrl Services, GPS, etc.	N/A	Included	Included	Included
	Encryption API Conventional	N/A	N/A	Included	Included
	Encryption API Trunking	N/A	N/A	Included	Included
Chargers	Single-Unit	CH10A07/ CH10A04	CH10A07/ CH10A04	CH10A07/ CH10A04	CH10L15
	Multi-Unit	MCA08	MCA08	MCA08	MCA10











PD5, PD6, PD7, & X1 Series



Features		P5	P6	P7	X1
Digital Conventional Features	Basic Encryption	Included	Included	Included	Included
	Enhanced Encryption (Hytera)	N/A	Optional	Optional	Optional
	Enhanced Encryption (DMRA)	N/A	Optional	Optional	Optional
	Roaming & IP-Connected System Compatibility	Included	Included	Included	Included
	Priority Interrupt	Optional	Optional	Included	Included
	Remote Monitor Decode (RC)	Optional	Included	Included	Included
	Programmable Top Key	N/A	N/A	Included	Included
	Programmable Emergency Siren	N/A	Included	Included	Included
	Channel Capacity (Zone/CH)	Included	Included	Included	Included
	Text Message	Included	Included	Included	Included
	Radio Enable/Disable	Optional	Included	Included	Included
	OTAP	N/A	Included	Included	Included
	Pseudo Trunk	Included	Included	Included	Included
DMO True 2-Slot	Included	Included	N/A	N/A	
PC Tools	Encryption Keyloader	N/A	Optional	Optional	Optional
	CH Voice Customization	Included	Included	Included	Included
Programming	Programming Cable	PC63	PC45	PC37	PC45
Ruggedness	IP Rating	IP54	IP67	IP67	IP67
	MIL-STD 810	C/D/E/F/G	C/D/E/F/G	C/D/E/F/G	C/D/E/F/G

Competitive Cost Matrix



Hytera	Motorola
 <p>X1p</p>	 <p>XPR6550 SL7550 XPR7550 XPR6350 XPR7350</p>
 <p>X1e</p>	 <p>XPR3500</p>
 <p>PD782</p>	 <p>XPR6100 XPR3300</p>
 <p>PD702 PD602 PD502</p>	 <p>CP200d EVX539 EVX534</p>
 <p>PD502</p>	 <p>EVX531</p>

Applicable Markets



X1 Series

Security

Business

Public Safety

Police

Executive



PD7 Series

Campus Security

EMS

Fire

Manufacturing

Corrections



PD6 Series

Hotel

Maintenance

Manufacturing

Farming

Forestry



PD5 Series

Events

Warehouse

Retail

Mall

Rentals

PD792Ex Overview



Item	Specifications
Frequency Bands	136-174 MHz; 400-470 MHz
Dimensions	5.55 x 2.16 x 1.53 inches
Weight	1.1 lbs.
RF Output Power	1W
Battery Life	Digital: about 17 hrs. (1800mAh Li-Ion Battery)
Channel Capacity	1024
Dust & Water Intrusion	IP67 Standard



- Dual Modes (Analog & Digital)
- DMR Tier-III Trunking **Optional**
- Individual Call, Group Call & All Call
- GPS **Included Free**
- Man Down **Included Free**
- MDC1200, 2-Tone & 5-Tone
- Priority Interrupt **Included**
- Pseudo Trunking
- Lone Worker
- **1st Radio Certified under New FM-2010**
- Rental Feature
- Telemetry
- Open API for 3rd Party Partner
- Basic Encryption (40bit,128bit,256bit)
- Enhanced Encryption (ARC40bit, AES128 / 256bit) **Optional**
- Remote Monitor (Decode & Encode) **Included**
- Radio Kill & Revive (Decode & Encode) **Included**
- Site Roaming **Included Free**
- Emergency & **Dedicated Top Key**



MD782 Overview



Item	Specifications
Frequency Bands	136-174 MHz; 400-470 MHz; 450-527 MHz
Dimensions	2.36 x 6.85 x 7.87 inches
Weight	3.75 lbs.
RF Output Power	Low: 5-25W; High: 5-50W (VHF) / 5-45W (UHF)
Power Supply	SEC1223 Not Included (DC Cables Included)



- Dual Modes (Analog & Digital)
- DMR Tier-III Trunking **Optional**
- Individual Call, Group Call & All Call
- GPS **Optional**
- MDC1200, 2-Tone & 5-Tone
- Remote Monitor (Decode)
- Radio Kill & Revive (Decode) **Included**
- Priority Interrupt **Included**
- Telemetry
- Emergency Siren
- Speaker Microphone with Keypad & Dedicated Top Key **Optional**
- Open API for 3rd Party Partner
- Basic Encryption (40bit,128bit,256bit)
- Enhanced Encryption (ARC40bit, AES128 / 256bit) **Optional**
- Site Roaming **Included Free**
- Pseudo Trunking

RD622 Overview



Item	Specifications
Frequency Bands	136-174 MHz; 400-470 MHz
Dimensions	13.70 x 8.27 x 4.25 inches
Weight	11.02 lbs.
RF Output Power	25W
Power Supply	Included
Duplexer	Optional (Embedded)



- **Dual Modes (Analog & Digital)**
- **Easy to Wall Mount for Indoor Coverage**
- **AC/DC Seamless Switch (Battery Not Included)**
- **Can Connect via RJ45 Port to Other IP Connected Sites **Optional****
- **Can Also Integrate w. SmartDispatch and Other Applications **Optional****



RD962 Overview



Item	Specifications
Frequency Bands	136-174 MHz; 400-470 MHz
Dimensions	11.85 x 7.24 x 2 inches
Weight	6.61 lbs.
RF Output Power	1-10W Adjustable
Power Supply	Not Included (DC Cables Included)
Duplexer	Optional (Embedded)
Dust & Water Intrusion	IP67 Standard

- **Dual Modes (Analog & Digital)**
- **AC/DC Seamless Switch (Battery Not Included)**
- **10Ah Li-Ion Battery Available**
- **Special Order from Factory**



RD982 Overview



Item	Specifications
Frequency Bands	136-174 MHz; 400-470 MHz; 450-520 MHz
Dimensions	3.46 x 19 x 14.4 inches
Weight	18.74 lbs.
RF Output Power	Low: 5W High: 50W(VHF) /45W(UHF)
Power Supply	SEC1223R1 Not Included (DC Cables Included)
Duplexer	Optional (Embedded)



- **Dual Modes (Analog & Digital)**
- **RDAC Software Free to Dealers**
- **Connect Multiple Sites via IP Optional**
- **100% Duty Cycle**
- **Outstanding Heat Dissipation w. Built-in Heat Pipe**
- **Temperature Controlled Fan**
- **Access Management Feature for Controlling Privacy & Accessibility to Repeater**

RD982S Overview



Item	Specifications
Frequency Bands	136-174 MHz; 400-470 MHz; 450-527 MHz
Dimensions	3.46 x 19 x 14.4 inches
Weight	18.74 lbs.
RF Output Power	Low: 5W High: 50W(VHF) /45W(UHF)
Power Supply	SEC1223R1 Not Included (DC Cables Included)
Duplexer	Optional (Embedded)



- **Dual Modes (Analog & Digital)**
- **Upgradeable to Tier-III Trunking **Optional****
- **RDAC Software **Free to Dealers****
- **Connect Multiple Sites via IP **Optional****
- **100% Duty Cycle**
- **Outstanding Heat Dissipation w. Built-in Heat Pipe**
- **Temperature Controlled Fan**
- **Access Management Feature for Controlling Privacy & Accessibility to Repeater**

Repeater Comparisons



Features		RD622	RD962	RD982	RD982S
Ports & Modules	Port 1: UART, USB / 10-Pin	N/A	Included	Included	Included
	Port 2: DB26	Included	Included	Included	Included
	Port 3: DB9	N/A	N/A	Included	Included
	Port 4: Ethernet	Included	Included	Included	Included
	GPS Module	N/A	Included	N/A	N/A
Operation Modes	Pure Analog Mode	N/A	N/A	Optional	N/A
	Analog Conventional	Included	Included	Included	Included
	Digital Conventional	Included	Included	Included	Included
	Analog Digital Dual Mode	Included	Included	Included	Included
	Digital Simulcast Conventional	N/A	N/A	N/A	Optional
	Analog Trunking	N/A	N/A	N/A	N/A
	Digital Trunking	N/A	N/A	N/A	Optional
Digital Simulcast Trunking	N/A	N/A	N/A	N/A	
Front Panel	Color LCD	N/A	N/A	Included	Included
	LED: Red / Green Indicators	Included	Included	Included	Included
	Menu	N/A	N/A	Included	Included
	Channel Knob	N/A	Included	Included	Included
	Volume Knob	N/A	N/A	Included	Included
	Local Speaker	N/A	N/A	Included	Included
Mechanical Features	Fan	Included	N/A	Included	Included
	Battery	Floating	Optional	Floating	Floating
	AC Input	Included	N/A	N/A	N/A