



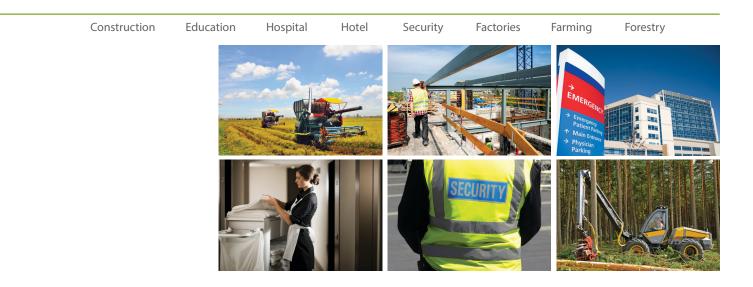






PD6 Series The PD6 Series is an open-standard DMR radio rich in features for both voice and data communication in a design approved to rigorous IP67 and MIL-STD 810 testing. It is the ideal solution for organizations looking for an affordable migration from analog to digital technology. The Hytera-patented pseudo-trunking maximizes channel usage. The PD6 Series G also comes with an optional GPS chip that allows the radio to integrate with Hytera Dispatch System or other 3rd party GPS dispatching software.

Applications



Product Features

Smaller, Sleeker, Lighter

The PD6 Series has a light weight PC & Metal frame design. P602 is 4.7 x 2.13 x 1.1 inches weighing 10.23oz, PD662 / PD682 is 4.8 x 2.17 x 1.1 inches weighing 10.93oz.

• Rugged & Reliable

Complies with MIL-STD-810 C/D/E/F/G standards and passes HALT (Highly Accelerated Life Test).

- Wider Available Frequency Range Expanded frequency range of 400-527MHz.
- Dual Mode: Analog & Digital Dual mode (analog & digital) operation ensures a smooth analog to digital migration.

Secure Communication

Allows basic/advanced digital encryption and Scrambler feature in analog mode.

Advanced Signaling

Supports multiple advanced analog signaling modes, including DTMF Encode (PD682), HDC1200, 2-Tone and 5-Tone, providing better integration into existing analog radio fleets.

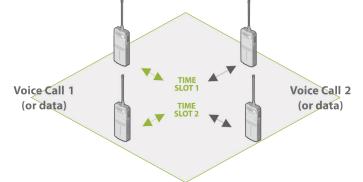
DMRA Data Service

The data protocol is fully compliant to DMRA standard.

Pseudo Trunk

This virtual trunking feature allocates a free timeslot for urgent communications. This effectively enhances frequency efficiency and allows you to communicate in a timely manner in emergency situations. See example below.

Slot 1, Slot 2 are automatically assigned to voice call 1 or voice call 2



Accessories

Included

- Li-lon Battery
- MCU Rapid-rate Charger

See website for full list

- Power AdapterAntenna
- Antenna
 Belt Clip
- ben clip



Detachable Earpiece with Transparent Acoustic Tube EHN22



MCU Multi-Unit Charger (for Thick Battery) MCA08



Programming Cable (USB Port) PC45



Battery 2000mAh (Li-lon) BL2010

- GPS Positioning (Factory Option) The built-in GPS module in the PD6 series G supports GIS applications.
- Man Down (Factory Option) When a user falls down, the radio can automatically alert others.

• Further Development Port

The reserved side port allows users or any third party partner to further develop other helpful applications to extend radio functionalities.

One Touch Call/Text

Supports One Touch features that comprise of Preprogrammed Text Messages, Voice Calls and Supplementary Features.

Supplementary Features

PD6 Series can decode radio enable, radio disable, and remoter monitor as well as Priority Interrupt.

Radio Priority-Based Interruption (Factory Option)
 Enables an administration or manager radio to interrupt calls for

emergency or urgent communication.

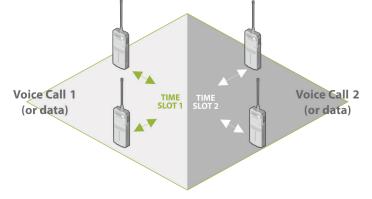
IP67 Protection

The Ingress Protection reaches IP67 (6: Totally protected against dust; 7: Protected against the effects of immersion up to 1m for 30 minutes). It's the highest IP level for land-based wireless radio application.

DMO True 2-Slot / DMRA Direct Mode

In Directmode Hytera can provide 2-slot communication, which allows for 2 talk paths on 1 frequency. See example below.

Slot 1 is used for voice call, Slot 2 is used for voice call 2



Specifications

			VHF: 136 - 174MHz	
	Frequency Range	l	JHF1: 400 - 527MHz	
	Channel Capacity	PD602	48	
		PD662 PD682	1024	
	Zone Capacity	PD602	3	
		PD662 PD682	64	
	Channel Spacing	25 / 20 / 12.5KHz		
	Operating Voltage	7.4V		
	Battery	1500mAh (Li-lon)		
eral	Battery Life (5/5/90)	Analog	Approx. 11hrs	
General		Digital	Approx. 16hrs	
	Frequency Stability	±0.5ppm		
	Antenna Impedance	50 Ω		
	Dimensions	PD602	4.7 x 2.13 x 1.1 inches	
	(HxWxD)	PD662 PD682	4.8 x 2.17 x 1.1 inches	
	Weight	PD602	10.23oz	
		PD662 PD682	10.93oz	
	FCC ID	See website for full list		
	Industry Canada ID	See website for full list		
suc	Operating Temperature	-22° F ~ +140° F		
ĥcati	Storage Temperature	-40° F~ +185° F IEC 61000 - 4 - 2 (level 4) ±8kV(contact) ; ±15kV (air)		
peci	ESD			
tal S	American Military Standard	MIL-STD-810 C/D/E/F/G		
men	Dust & Water Intrusion	IP67 Standard		
Environmental Specifications	Humidity	Per MIL-STD-810 C/D/E/F/G Standard		
	Shock & Vibration	Per MIL-STD-810 C/D/E/F/G Standard		
	TTFF (Time To First Fix) Cold Start	<1 minute		
GPS	TTFF (Time To First Fix) Hot Start	<10 seconds		
	Horizontal Accuracy	<10 meters		

Transmitter	RF Power Output	VHF: High 5W - Low 1W UHF: High 4W - Low 1W	
	FM Modulation (Analog Emissions Designator)	11K f F3E @ 12.5KHz ; 14K f F3E @ 20KHz ; 16K f F3E @ 25KHz	
	4FSK Digital Modulation (Digital Emissions Designator)	12.5KHz Data Only: 7K6 f FXD 12.5KHz Data & Voice: 7K f FXW	
	Conducted/Radiated Emission	-36dBm<1GHz -30dBm>1GHz	
	Modulation Limiting	±2.5KHz @ 12.5KHz ; ±4.0KHz @ 20KHz ; ±5.0KHz @ 25KHz	
	FM Hum & Noise	40dB @ 12.5KHz ; 43dB @ 20KHz; 45dB @ 25KHz	
	Adjacent Channel Power	60dB @ 12.5KHz 70dB @ 20/25KHz	
	Audio Response	+1~-3dB	
	Audio Distortion	≤3%	
	Digital Vocoder Type	AMBE++ or SELP	
	Digital Protocol	ETSI-TS102 361-1, 2&3	

	Sensitivity	Analog	0.22 m V (12dB SINAD) ; 0.22 m V (Typical) (12dB SINAD); 0.4 m V (20dB SINAD)	
		Digital	0.22 m V/BER5%	
Sput Blog Blog	Selectivity TIA-603 ETSI	60dB @ 12.5KHz / 70dB @ 20/25KHz 60dB @ 12.5KHz / 70dB @ 20/25KHz		
	Intermodulation TIA-603 ETSI	70dB @ 12.5/20/25KHz 65dB @ 12.5/20/25KHz		
	Spurious Response Rejection TIA-603 ETSI	70dB @ 12.5/20/25KHz 70dB @ 12.5/20/25KHz		
	Blocking TIA-603 ETSI	90dB 84dB		
	S/N	40dB @	0 12.5KHz ; 43dB @ 20KHz ; 45dB @ 25KHz	
	Rated Audio Distortion		≤3%	
	Audio Response		+1 ~ -3dB	
	Conducted Spurious Emission		< -57dBm	

Your Local Dea	er	

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GSA Contract Holder

20 KHz / 25 KHz will not be available on new equipment in the U.S. after January 1^{st} , 2011

Hytera reserves the right to change product designs or specifications at any time. If you have any questions regarding the accuracy of this information please contact your local sales representative or Hytera directly.

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