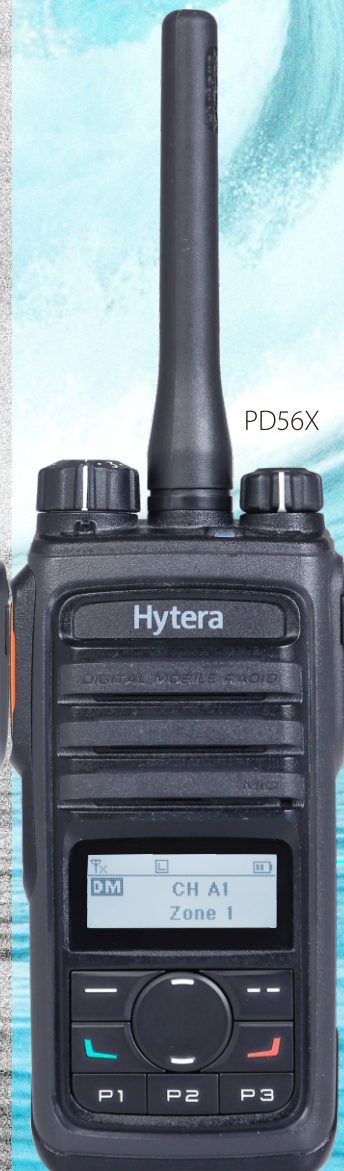


Digital Migration Radio PD5 Series

DMR standard radio, light design,

Clear voice, cost effective.

New Software! TDMA Direct Mode removed—high quality as always!



Features

Small, Sleek, Light

The radio is 115 X 54 X 27mm (PD50X)/115 X 54 X 30mm (PD56X) and 260g (PD50X)/280g (PD56X), and uses dual-color injection.

Long Battery Life

In digital mode, PD50X/56X operates at least 14 hours under a duty cycle of 5-5-90.

Rugged & Reliable

PD50X/56X complies with MIL-STD-810 C/D/E/F/G and IP54.

One Touch Call/Text

PD50X/56X supports One Touch Call/Text features to transmit call or text message via the programmed key.

Supplementary Features (optional)

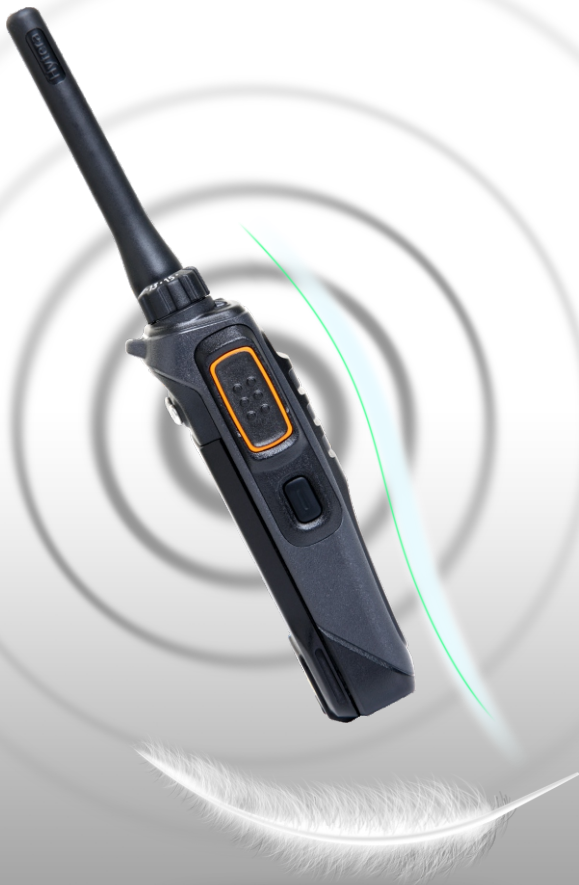
PD50X/56X supports radio enable, radio disable, remote monitor, alert call and radio check.

Dual Modes (Analog & Digital)

PD50X/PD56X can work in both analog and digital modes for a smooth analog-to-digital migration.

Radio Registration Service

In Smart Dispatch system or Smart XPT Dispatch system, RRS is used to check if the radio is online.



Secure Communication

PD50X/56X supports basic encryption in digital mode and scrambler feature in analog mode.

Advanced Signaling

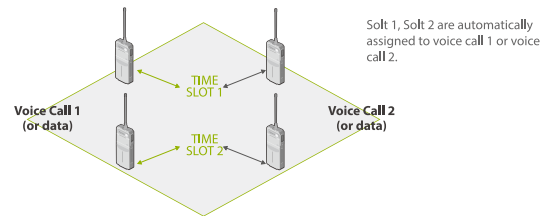
PD50X/56X can transmit various analog signals, including HDC1200, 2-tone and 5-tone, for better communication with analog users.

Emergency Alarm

The radio can transmit emergency alarm to other radios via the programmable key to establish an emergency call. This makes the response to the emergency more quickly.

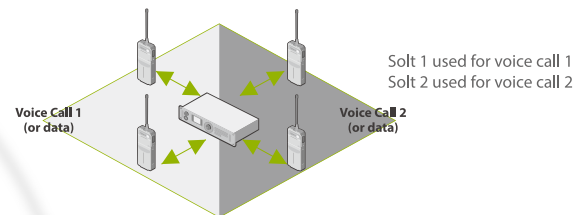
Pseudo Trunk

The free slot can be allocated to enhance frequency efficiency and timely response under emergency.



Dual Capacity in TMO

Hytera provides 2-slot solution in Repeater Mode. The radio can use both slots for the communication.



XPT Trunking (optional)

PD50X/56X can work in Hytera XPT Trunking system, which is cost-effective and can dynamically assign voice and data services.

Highlights

- Ergonomic User-Friendly Design
- Light & Durable
- Compact Size & Clear Voice
- Affordable

Target Markets



Retail
Shopping Malls with high noise level require radios with good noise reduction.



Education
PD50X/56X is compact and can secure long-distance communication in school or university campus.



Security
PD50X/56X secures communication via multiple encryption types.



Warehouse
The durable battery satisfies full shifts without the need to recharge.



Hotel
Heavy communication traffic requires more effective use of frequency resources.



Rent
The rent feature is necessary for rent industry.

Accessories

Versatile Accessories for Specific Tasks



- Adapter PS1026
- Strap RO03
- BL2010 Li-ion battery(2000mAh)
- MCA05 Battery optimizing system
- EHM15 D-earset with In-line Microphone
- SM08M3 Remote Speaker Microphone
- PC63 Data Cable (USB Port)
- NCN011 Nylon Carrying Case (half-folded) (non-swivel) (black)

Pictures above are for reference only and may vary from actual products.

Specifications

General	
Frequency Range	UHF: 350-400MHz/400-470MHz, VHF: 136-174MHz
Channel Capacity	256 (PD50X)/512 (PD56X)
Zone Capacity	16 (PD50X)/32 (PD56X)
Channel Spacing	25/20/12.5KHz
Operating Voltage	7.4V
Battery	1500mAh (Li-Ion) 2000mAh (Li-Ion)
Battery Life (5/5/90)	Analog/Digital: about 10 Hours/14 Hours (1500mAh) about 14 Hours/19 Hours (2000mAh)
Weight	260g (PD50X)/280g(PD56X)
Dimensions	115 x 54 x 27mm (PD50X) 115 x 54 x 30mm (PD56X)
Frequency Stability	±0.5ppm
Antenna Impedance	50Ω
Receiver	
Sensitivity (Digital)	0.22μV / BER 5%
Sensitivity (Analog)	0.3μV (12dB SIN AD) 0.22μV (Typical) (12dB SIN AD) 0.4μV (20dB SIN AD)
Adjacent Selectivity	TIA-603 60dB @ 12.5KHz/70dB @ 20 & 25KHz
	ETSI 60dB @ 12.5KHz/70dB @ 20 & 25KHz
Spurious Response Rejection	TIA-603 70dB @ 12.5/20/25KHz
	ETSI 70dB @ 12.5/20/25KHz
Inter-modulation	TIA-603 70dB @ 12.5/20/25KHz
	ETSI 65dB @ 12.5/20/25KHz
Hum & Noise	40dB @ 12.5KHz 43dB @ 20KHz 45dB @ 25KHz
Rated Audio Power Output	0.5W
Rated Audio Distortion	≤3%
Audio Response	+1 ~ -3dB
Conducted Spurious Emission	<-57dBm

Transmitter	
RF Power Output	UHF: 1/4W VHF: 1/5W
FM Modulation	11K0F3E @ 12.5KHz 14K0F3E @ 20KHz 16K0F3E @ 25KHz
4FSK Digital Modulation	12.5KHz Data Only: 7K60FXD 12.5KHz Data & Voice: 7K60FXW
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+2™
Digital Protocol	ETSI-TS102 361-1,-2,-3

Environmental	
Operating Temperature	-30°C~ +60°C
Storage Temperature	-40°C~ +85°C
ESD	IEC 61000-4-2 (Level 4) ±8kV (Contact) ±15kV (Air)
Dustproof & Waterproof	Ip54
Humidity	Per MIL-STD-810 C/D/E/F/G
Shock & Vibration	Per MIL-STD-810 C/D/E/F/G

PD50X/PD56X, X=0, 2, 5, 6 or 8, model number varies geographically. For details, please contact our regional sales representatives.

All specifications are subject to change without notice due to continuous development.



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Http: //www.hytera.com **Stock Code:** 002583.SZ



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