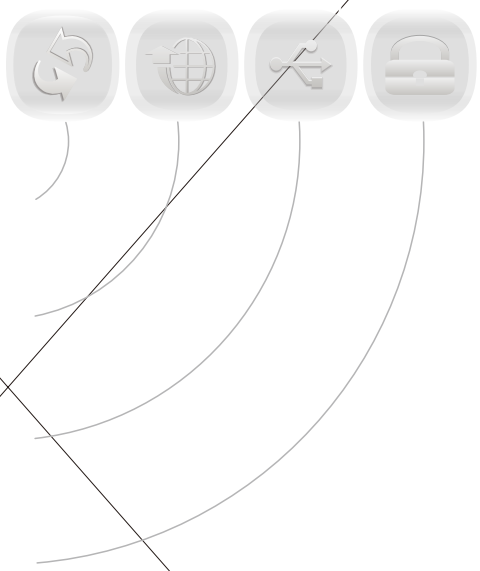


Features

Small, Sleek, Light

The size is 119 X 54 X 27mm, PC & Metal frame, weight is 290g.

IP67 Compliance

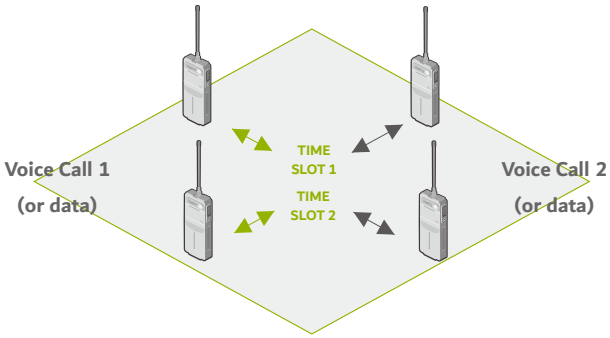
The radio is IP67 certificated and can withstand up to 1m submersion for 30 minutes.

Rugged & Reliable

The radio complies with MIL-STD-810 C/D/E/F/G standards.

Pseudo Trunk

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



Solt 1, Solt 2 are automatically assigned to voice call 1 or voice call 2.

Full Band

Expanded frequency range of 400-527MHz.

Dual Modes (Analog & Digital)

The radio can work in both analog and digital modes for a smooth analog-to-digital migration.

Secure Communication

The radio supports basic encryption in digital mode and scrambler feature in analog mode.

Advanced Signaling

The radio can transmit various analog signals, including HDC1200, 2-tone and 5-tone, for better communication with analog users.

DMRA Data Service

The data protocol is fully compliant to DMRA standard.

GPS Positioning (Optional)

The built-in GPS module supports GIS applications.

Man Down (Optional)

The radio automatically alerts other team members if it tilts over the specified gradient and is not placed upright within the time, or stays motionless within the specified gradient.

Secondary Development

The third party partner can develop applications via the accessory port to extend radio functionality.

One Touch Call/Text

The radio supports One Touch Call/Text features to transmit call or text message via the programmed key.

Supplementary Features

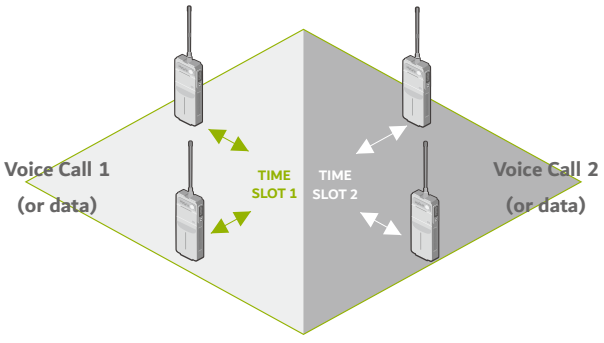
The radio supports radio enable, radio disable, remote monitor, alert call and radio check.

Priority Interruption

The radio can interrupt an ongoing call on the channel to transmit a new call or data services.

DMO True 2-Slot

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



Solt 1 used for voice call , Solt 2 used for voice call 2

Small, Sleek, Light

The size is 119 X 54 X 27mm, weight is 290g.

Metal Frame

Metal frame design

Smooth texture

Comfortable to hold and use

Target Markets

Construction
The radio delivers clear voice at noisy construction site.

Forestry
Features such as man down, lone worker and emergency secure your safety when you work alone or on remote locations.

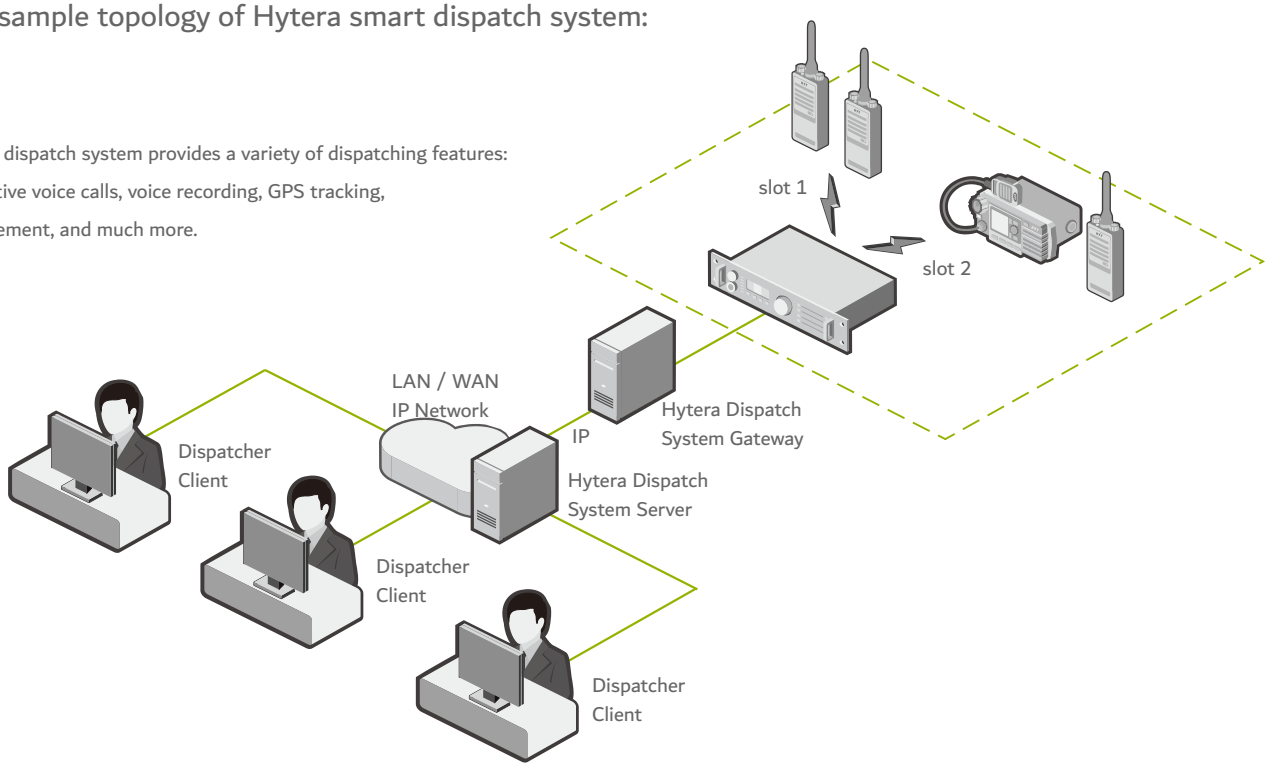
Bank
Complete dispatch system provides security recording and monitoring.

Factory
The IP67 rating enables the radio to operate normally in the environments with dust and water.

Applications

This is a sample topology of Hytera smart dispatch system:

Hytera smart dispatch system provides a variety of dispatching features: such as selective voice calls, voice recording, GPS tracking, alarm management, and much more.



Accessories

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

BL1504 Li-ion Battery (1500mAh)
BL2010 Li-ion Battery (2000mAh)
RO03 Strap
MCA08 MCU Multi-Unit Charger (for Thick Battery)
MCA05 Battery Optimizing System
BC08 Belt Clip
Antenna

EHN21 Remote C-Earset
ESN14 Remote Earbud
EHN20 Remote Swivel Earset
EAN22 Detachable Earpiece with Transparent Acoustic Tube
PC45 Programming Cable (USB Port)
NCN011 Nylon Carrying Case (half-folded, non-swivel, black)
CH10A07 General MCU Rapid-rate Charger (for Li-Ion/Ni-MH Batteries)
Adapter

High-Capacity Battery & Battery Charger:

Bl1504 Li-ion Battery 1500mAh; BL2010 Li-ion Battery 2000mAh, MCA05 Battery Optimizing System & MCA08 MCU Multi-Unit Charger (for Thick Battery) .

A large capacity battery is the best choice if you require long-time operation.

The 2000mAh Li-ion battery for PD60X ensures up to 16 hours of work.

Audio Accessories:

EHN21 Remote C-Earset, ESN14 Remote Earbud, EHN20 2-wire Surveillance Earpiece with Transparent Acoustic Tube (Black), EAN22 Detachable Earpiece with Transparent Acoustic Tube. PD60X has a variety of audio accessories for flexible use in different environments.

Specifications

General	
Frequency Range	UHF: 400-527MHz VHF: 136-174MHz
Channel Capacity	1024
Zone Capacity	16 (each with a maximum of 16 channels)
Channel Spacing	25/20/12.5kHz
Operating Voltage	7.4 V
Battery	1500mAh (Li-Ion) 2000mAh (Li-Ion)
Battery Life (5/5/90)	Digital: 16 Hours @1500mAh 21 Hours @2000mAh Analog: 11 Hours @1500mAh 14.5 Hours @2000mAh
Weight	290g (1500mAh) 309g (2000mAh)
Dimensions	119 x 54 x 27 mm (1500mAh) 119 x 54 x 31 mm (2000mAh)
Frequency Stability	±0.5 ppm
Antenna Impedance	50Ω

Transmitter	
RF Power Output	VHF High power 5W VHF Low power 1W UHF High power 4W UHF Low power 1W
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™ or SELP
Digital Protocol	ETSI-TS102 361-1,-2,-3

PD60X, X=0, 2, 5,6 or 8, model number varies geographically. For details, please contact our regional sales representatives.

Receiver	
Sensitivity (Analog)	0.3μV (12dB SIN AD) 0.22μV (Typical) (12dB SIN AD) 0.4μV (20dB SIN AD)
Sensitivity (Digital)	0.22μV/BER 5%
Adjacent Selectivity TIA-603 ETSI	 60dB @ 12.5kHz/70dB @ 20 & 25kHz 60dB @ 12.5kHz/70dB @ 20 & 25kHz
Spurious Response Rejection TIA-603 ETSI	 70dB @ 12.5/20/25kHz 70dB @ 12.5/20/25kHz
Inter-Modulation TIA-603 ETSI	 70dB @ 12.5/20/25kHz 65dB @ 12.5/20/25kHz
S/N	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

Environmental	
Operating Temperature	-30 ~ +60
Storage Temperature	-40 ~ +85
ESD	IEC 61000-4-2 (Level 4) ±8kV (Contact) ±15kV (Air)
American Military Standard	MIL-STD-810 C/D/E/F/G
Dustproof & Waterproof	IP67
Humidity	Per MIL-STD-810 C/D/E/F/G
Shock & Vibration	Per MIL-STD-810 C/D/E/F/G Standard

GPS	
TTFF (Time To First Fix) Cold Start	<1 minute
TTFF (Time To First Fix) Hot Start	<10 seconds
Horizontal Accuracy (5 satellites visible at nominal -130dBm)	<5m (50% probable) <10m (95% probable)

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

Hytera
Respond & Achieve

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