Hytera

Digital
Migration Radio
PD40X

Digital voice, louder and clearer

Analog & Digital Mixed Channel

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

DMR

DIGITAL MOBILE RADIO ASSOCIATION

www.hytera.com

Features

Private call, Group call and All call

Small, Sleek, Light

In digital mode, the radio operates up to 16 hours under a duty cycle of 5-5-90 @1500mAh.

IP55 & MIL-STD-810 G standards

Pre-programmed Text Message

Support one touch pre-programmed text messages and voice calls.

Dual Mode (Analog & Digital) ensures a smooth migration from analog to digital.

Voice-operated Transmit (VOX) allows you to trigger the voice transmission by voice directly.

Multi-site Roam,Basic encryption, Radio Enable/Disable

Optional (charge)： Pseudo Trunk, Emergency

Highlights

- Digital Voice, Louder and Clearer
- Double Channel Capacity
- Analog & Digital Mixed Channel
- Easy Operation
- Durable, IP55 & MIL-STD-810 G standards
- Affordable

Target Markets

Construction
At noisy construction site, a radio with good voice quality and reliable use can make all the difference.

Security
Steady wireless signal receiving improves security work performance and reduces loss.

Warehouse
A durable battery supports full shifts without recharge.

Factory
Military standard and good dust-proof & water-proof rating (IP54) protect the radio from damage in complex environment of factory.

Standard

Li-ion battery
(1500mAh)
BL1504

Belt clip
BC08

General MCU Rapid-rate Charger
(for Li-Ion/Ni-MH batteries)
CH10A07

Whip antenna

Switching Power Adapter

Hand strap

Options

Specifications

General		
Frequency Range		UHF: 400-470MHz VHF: 136-174MHz
Channel Capacity		48
Zone Capacity		3
Channel Spacing		25/12.5KHz
Operating Voltage		7.4V
Battery		1500mAh (Li-Ion) 2000mAh (Li-Ion)
Battery Life (5/5/90)		Analog/Digital: 10/13 hours (1500mAh) 13/17 hours (2000mAh)
Weight		270g
Dimensions		112×54×28mm
Frequency Stability		±0.5ppm
Antenna Impedance		50Ω
Receiver		
Sensitivity (Digital)		0.22μV / BER 5%
Sensitivity (Analog)		0.22μV (Typical) (12dB SIN AD) 0.4μV (20dB SIN AD) 0.22μV (12dB SIN AD)
Adjacent Selectivity	TIA-603	60dB @ 12.5KHz/70dB @ 25KHz
	ETSI	60dB @ 12.5KHz/70dB @ 25KHz
Spurious Response Rejection	TIA-603	70dB @ 12.5/25KHz
	ETSI	70dB @ 12.5/25KHz
Inter-modulation	TIA-603	70dB @ 12.5/25KHz
	ETSI	65dB @ 12.5/25KHz
Hum & Noise		40dB @ 12.5KHz 45dB @ 25KHz
Rated Audio Power Output		0.5W
Rated Audio Distortion		≤3%
Audio Response		+1 ~ -3dB
Conducted Spurious Emission		<-57dBm

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 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 ±5.0KHz @ 25KHz
FM Hum & Noise	40dB @ 12.5KHz 45dB @ 25KHz
Adjacent Channel Power	60dB @ 12.5KHz, 70dB @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	IP55 Standard
Humidity	Per MIL-STD-810 G Standard
Shock & Vibration	Per MIL-STD-810 G Standard

PD40X, 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.

Hytera
Respond & Achieve

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