

## **Specifications**

		General
Frequency Range		UHF: 400-470MHz, VHF: 136-174MHz
Channel Capacity		256
Zone Capacity		3
Channel Spacing		25/12.5KHz
Operating Voltage		7.4V
Battery		1500mAh (Li-lon) 2000mAh (Li-lon)
Battery Life (5/5/90 )		Analog/Digital: 12/16 hours (1500mAh) 16/22 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++			
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	lp55 Standard			
Humidity	Per MIL-STD-810 C/D/E/F/G Standard			
Shock & Vibration	Per MIL-STD-810 C/D/E/F/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.













Address: Hytera Tower, Hi-Tech Industrial Park North, Beihuan Rd., Nanshan District, Shenzhen, China

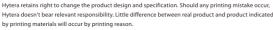
Tel: +86-755-2697 2999 Fax: +86-755-8613 7139 Post: 518057 Http://www.hytera.com Stock Code: 002583.SZ











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### **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 C/D/E/F/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.

DMRA Direct Mode TDMA (True 2-slot) supports two voice calls simultaneously.

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

Analog & Digital Mixed Channel supports automatically detecting signal type and switching between analog and digital mode.

# Highlights • Digital Voice, Louder and Clearer • Double Channel Capacity • Analog & Digital Mixed Channel Easy Operation • Durable, IP55 & MIL-STD-810 C/D/E/F/G standards Affordable

## **Target Markets**



#### Construction

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



#### Warehouse

A durable battery supports full shifts without recharge.



#### Security

Steady wireless signal receiving improves security work performance and



#### Factory

Military standard and good dust-proof & water-proof rating (IP55) protect the radio from damage in complex environment of factory.

## Standard



Li-ion battery (1500mAh) BL1504



Belt clip



General MCU Rapid-rate Charger Short antenna (for Li-lon/Ni-MH batteries) CH10A07



**Switching Power Adapter** 



Hand strap

## **Options**

