

# Digital Migration Radio PD36X

Pocket-size Design

Micro USB Charging

Dual Modes (Analogue & Digital)

Superior Audio

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





Pocket-size Design

Micro USB Charging



PD36X

## Applications



Sport Events



Hospitality



Retail



Warehouse



PD36X

## Features

- Pocket-size design and easy to carry
- Four programmable buttons
- Micro USB port for easy charging
- Radio more compact through creative antenna design
- In digital mode, radio operates up to 18 hours using a duty cycle of 5-5-90
- Dual mode ensures smooth migration from analogue to digital
- Voice communication includes private, group and all call
- Work and user groups can be configured with unique CTCSS/CDCSS to prevent unwanted conversations on the same frequency
- Radios can be enabled to continuously scan each analogue and digital channel
- Supports messaging with up to 64 characters
- Supports a one touch feature for pre-programmed text messages and voice calls
- High quality speaker for clear audio
- Cost-effective digital experience

Superior Audio

Dual Modes  
(Analogue & Digital)

## Accessories

### Versatile Accessories for Specific Tasks



PD365LF Belt Clip



Rapid-Rate Charger  
(for Li-Ion Battery)  
CH10L20



Micro USB  
Power Adapter  
(5V/1A)



Desktop  
Charger for  
PD36X  
CH10L24



Programming Cable  
PC69



BL2009



Nylon Strap



PD36X

# Specifications

General		
Frequency Range	UHF:430-470MHz	
Channel Capacity	256	
Channel Spacing	25/12.5KHz	
Operating Voltage	3.7V	
Battery	2000mAh (Li-Ion)	
Battery Life (5/5/90)	Digital: approximately 14 hours Analogue: approximately 10 hours	
Weight	160g	
Dimensions	106 x 54 x 23mm	
Frequency Stability	±0.5ppm	
Antenna Impedance	50Ω	
Receiver		
Sensitivity (Digital)	0.22μV/BER 5%	
Sensitivity (Analogue)	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	0.4W	
Rated Audio Distortion	<5%	
Audio Response	+1 ~ -3dB	
Conducted Spurious Emission	<-57dBm	

Transmitter	
RF Power Output	UHF High power: 3W/UHF Low power: 1.5W
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	IP54 Standard
Humidity	Per MIL-STD-810 C/D/E/F/G Standard
Shock & Vibration	Per MIL-STD-810 C/D/E/F/G Standard

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



## Hytera Communications Corporation Limited

**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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