

# Digital Migration Radio PD3 Series

Pocket-size Design

Micro USB Charging

Dual Modes (Analogue & Digital)

Superior Audio







## Applications





PD365

## 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 12 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

## Accessories

### Versatile Accessories for Specific Tasks



PD355 Belt Clip



PD365 Belt Clip



Micro USB  
Power Adapter  
(5V/1A)



Programming Cable



BL2009



Nylon Strap





# Specifications

General		
Frequency Range	UHF: 400-440MHZ, 430-470MHZ*, 446MHZ*	
Channel Capacity	256	
Channel Spacing	25/12.5KHz	
Operating Voltage	3.7V	
Battery	2000mAh (Li-Ion)	
Battery Life (5/5/90 )	Digital: approximately 12 hours Analogue: approximately 10 hours	
Weight	160g	
Dimensions	123 x 55 x 23mm (PD35X) 106 x 54 x 23mm (PD36X)	
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

PD35X/PD36X, X=2, 5,6 or 8, model number varies geographically. For details, please contact our regional sales representatives.

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++ or SELP
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

\* 430-470MHz, 446MHz, coming soon. 446MHz only CE certificated.  
All specifications are subject to change without notice due to continuous development.

Communicate  
mobile ltd  
08456 120007  
email: [info@communicatemobile.com](mailto:info@communicatemobile.com)  
[www.communicatemobile.com](http://www.communicatemobile.com)



## 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  
**Stock Code:** 002583.SZ

Hytera retains right to change the product design and specification. Should any printing mistake occur, Hytera doesn't bear relevant responsibility. Little difference between real product and product indicated by printing materials will occur by printing reason.

HYT, Hytera are registered trademarks of Hytera Co., Ltd. © 2012 Hytera Co., Ltd. All Rights Reserved.