Hytera
Respond & Achieve

# Digital **Migration** Radio PD**3** Series

**Pocket-size Design**
**Micro USB Charging**
**Dual Modes (Analogue & Digital)**
**Superior Audio**

DMR
DIGITAL MOBILE RADIO ASSOCIATION


www.hytera.com


PD35X

PD36X

## Applications





Superior Audio

Dual Modes
(Analogue & Digital)

PD37X

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


PD35X Belt Clip


PD36X Belt Clip


PD37X Belt Clip


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


Micro USB
Power Adapterr
(5V/1A)


Programming Cable
PC69


BL2009


Nylon Strap

# Specifications

| General | | |
|---|---|---|
| Frequency Range | | PD35X/PD36X UHF: 400-440MHz, 430-470MHz<br>PD37X UHF: 400-450MHz, 430-480MHz |
| 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<br>Analogue: approximately 10 hours |
| Weight | | 160g |
| Dimensions | | 123 x 55 x 23mm (PD35X)<br>106 x 54 x 23mm (PD36X)<br>107 x 55 x 23mm (PD37X) |
| Frequency Stability | | ±0.5ppm |
| Antenna Impedance | | 50Ω |
| **Receiver** | | |
| Sensitivity (Digital) | | 0.22μV/BER 5% |
| Sensitivity (Analogue) | | 0.22μV (Typical) (12dB SIN AD)<br>0.4μV (20dB SIN AD)<br>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<br>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<br>UHF Low power: 1.5W |
| FM Modulation | 11K0F3E @ 12.5KHz<br>16K0F3E @ 25KHz |
| 4FSK Digital Modulation | 12.5KHz Data Only: 7K60FXD<br>12.5KHz Data & Voice: 7K60FXW |
| Conducted/Radiated Emission | -36dBm <1GHz, -30dBm >1GHz |
| Modulation Limiting | ±2.5KHz @ 12.5KHz<br>±5.0KHz @ 25KHz |
| FM Hum & Noise | 40dB @ 12.5KHz<br>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℃~ +60℃ |
| Storage Temperature | -40℃~ +85℃ |
| ESD | IEC 61000-4-2 (Level 4)<br>±8kV (Contact)<br>±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.

PD35X/PD36X/PD37X, X=2, 5,6 or 8, model number varies geographically.

For details, please contact our regional sales representatives.

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