



PD3 Series

DMR handheld radios

The PD3 series from Hytera offers you business radios in pocket format. The compact design and intuitive operation make these DMR handheld radios your companion for reliable digital radio communication.



Radios

PD3 Series

PD355

PD365

PD375

DMR handheld radios



Highlights

Digital mobile radio never looked so good

The radios of the PD3 series excel through their stylish and compact design in smartphone format and their intuitive operation. With a weight of only 160 g (PD355/PD365) and 165 g (PD375), they can be carried conveniently even on long working days.

Support of analog and digital mobile radio

The PD3 series was developed in compliance with the ETSI mobile radio standard Digital Mobile Radio (DMR). The handheld radios support the conventional DMR operation and can also be operated in analog mode.

Expanded frequency range (PD375)

The PD375 expands Hytera's PD3 series by a larger frequency range. It operates in the UHF band between 400 – 450 MHz or 430 – 480 MHz.

Integrated antenna design

The unique integrated antenna design enables excellent availability without a large antenna on the radio.

Affordable pricing

The terminals of the PD3 series offer not only many functions, but also a quick, no-nonsense start into digital mobile radio at a fair price.

Long battery service life

The lithium-ion batteries (2000 mAh) included in the delivery enable the PD3 handheld radios to achieve an operating time of at least 12 hours in digital mode, with a duty cycle of 5-5-90.

Additional Functions (selection)

- Selectable transmitting power: 1.5 W or 3 W
- Analog signaling: CTCSS, CDCSS
- Protection against dust and moisture according to IP54
- Shock and vibration resistance according to MIL-STD-810 C/D/E/F/G
- DMR text messages with up to 64 characters
- Four programmable keys
- Charging and programming via Micro-USB interface
- Scan function for analog and digital channels
- Versatile voice calls: Individual call, group call, and broadcast call on digital channels



Micro-USB port for charging and programming

Integrated antenna design



Compact design and easily readable display

Programmable keys

Expanded frequency range in the UHF band at 400 – 450 MHz or at 430 – 480 MHz (PD375)

Standard scope of delivery

Additional accessories (selection)



Lithium-ion battery (2000 mAh) BL2009



EU power supply unit for Micro-USB PS1029



Programming cable USB PC69



Earphone with C-clip EH516



Hand strap (Nylon) RO01



Belt clip suitable for the radio

Technical Data

| General data | |
|--|--|
| Frequency range PD355 / PD365 PD375 | UHF: 400 – 440 MHz, 430 – 470 MHz UHF: 400 – 450 MHz, 430 – 480 MHz |
| Supported operating modes | <ul style="list-style-type: none"> DMR Tier II in acc. with ETSI TS 102 361-1/2/3 Analog |
| Channel capacity | 256 (128 analog + 128 digital) |
| Number of zones | 16 |
| Channel spacing | 12.5 / 25 kHz (analog) 12.5 kHz (digital) |
| Operating voltage | 3.7V (nominal) |
| Standard battery | 2000 mAh (lithium-ion battery) |
| Battery service life (5-5-90 duty cycle, high transmitting power, standard battery) | approx. 10 hours (analog) approx. 12 hours (digital) |
| Frequency stability | ± 0.5 ppm |
| Antenna impedance | 50 Ω |
| Dimensions (H × B × T) | 123 × 58 × 23 mm (PD355) 135 × 58 × 24 mm (PD365) 140 × 54 × 23 mm (PD375) |
| Weight (with antenna and standard battery) | approx. 160 g (PD355/PD365) approx. 165 g (PD375) |
| Display | monochrome LC display, 3 lines |

| Environmental conditions | |
|--------------------------------------|---|
| Operating temperature range | -30 °C to +60 °C |
| Storage temperature range | -40 °C to +85 °C |
| ESD | IEC 61000-4-2 (Level 4), ± 8 kV (contact), ± 15 kV (air) |
| Protection against dust and moisture | IP54 |
| Shock and vibration resistance | MIL-STD-810 C/D/E/F/G |
| Relative humidity | MIL-STD-810 C/D/E/F/G |

| Transmitter | |
|-----------------------------------|---|
| Transmitting power | UHF: 1.5 / 3 W |
| Modulation | 11 K0F3E at 12.5 kHz 16 K0F3E at 25 kHz |
| 4FSK digital modulation | 12.5 kHz (data only): 7K60FXD 12.5 kHz (data and voice): 7K60FXW |
| Interfering signals and harmonics | -36 dBm (< 1 GHz) -30 dBm (> 1 GHz) |
| Modulation limiting | ± 2.5 kHz at 12.5 kHz ± 5.0 kHz at 25 kHz |
| Hum and noise | 40 dB at 12.5 kHz 45 dB at 25 kHz |
| Adjacent channel selectivity | 60 dB at 12.5 kHz 70 dB at 25 kHz |
| Audio sensitivity | +1 dB at -3 dB |
| Audio distortion | ≤ 3 % |
| Digital vocoder type | AMBE+2™ |

| Receiver | |
|--|--|
| Sensitivity (analog) | 0.22 µV (typical) (12 dB SINAD) 0.4 µV (20 dB SINAD) 0.22 µV (12 dB SINAD) |
| Sensitivity (digital) | 0.22 µV / BER 5 % |
| Adjacent channel selectivity TIA-603 ETSI | 60 dB at 12.5 kHz / 70 dB at 25 kHz 60 dB at 12.5 kHz / 70 dB at 25 kHz |
| Intermodulation TIA-603 ETSI | 70 dB at 12.5 / 25 kHz 65 dB at 12.5 / 25 kHz |
| Spurious response rejection TIA-603 ETSI | 70 dB at 12.5 / 25 kHz 70 dB at 12.5 / 25 kHz |
| Signal-noise ratio (S/N) | 40 dB at 12.5 kHz 45 dB at 25 kHz |
| Audio power output | 0.4 W |
| Audio distortion | ≤ 5 % |
| Audio sensitivity | +1 dB at -3 dB |
| Conducted spurious emission | < -57 dBm |

All technical information was determined at the factory and in accordance with the corresponding standards. Subject to change on the basis of continuous development.



SGS certificate DE11/81829313

Further information can be found at:

www.hytera-mobilfunk.com

Contact us if you are interested in sales, distribution or application partnership:

✉ info@hytera.de



Hytera Mobilfunk GmbH

Address: Fritz-Hahne-Straße 7, 31848 Bad Münder, Germany
Tel.: +49 (0)5042 / 998-0 **Fax:** +49 (0)5042 / 998-105
E-mail: info@hytera.de | www.hytera-mobilfunk.com

Ref. no.: 90PD3Series_Fly_ENG_V006



2-Way Radio Solutions
We're on your wavelength

Brignell Road, Riverside Park, Middlesbrough, TS2 1PS

T: 0800 328 0100
E: info@eemits.co.uk
W: www.eemits.co.uk

Hytera Mobilfunk GmbH reserves the right to modify the product design and the specifications. In case of a printing error, Hytera Mobilfunk GmbH does not accept any liability. All specifications are subject to change without notice.

Encryption features are optional and have to be configured separately; they are also subject to German and European export regulations.

HYT Hytera are registered trademarks of Hytera Co. Ltd. ACCESSNET® and all derivatives are protected trademarks of Hytera Mobilfunk GmbH. © 2015 Hytera Mobilfunk GmbH. All rights reserved.