



PD3 Series

DMR handheld radios

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



Radio

PD3 Series

PD355

PD365

PD375

DMR handheld radios



Highlights

DMR never looked so good

The Hytera PD3 series excel through their stylish and compact design, smartphone format, and intuitive operation. Weighing just 160g (PD355/PD365) and 165g (PD375), the models can be carried conveniently and with ease, even on long shifts.

Support of analogue and digital mobile radio

The PD3 series was developed in compliance with the ETSI DMR standard. The handheld radios support conventional DMR operation, and can also be operated in analogue 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.

Affordable pricing

Not only does the PD3 series offer a vast array of functionality, but also a quick, no-nonsense introduction to digital mobile radio at a fair price.

Longer battery life

The lithium-ion batteries (2000mAh) 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
- Different operating modes: analogue, DMR Tier II or mixed
- 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
- Emergency alarm
- Scan function for analogue and digital channels
- Versatile voice calls: Individual call, group call and broadcast call on digital channels
- Priority Interrupt, remote monitor, radio enable and disable (all via chargeable interface)
- Hytera Pseudo Trunking and Basic Encryption (via chargeable licence)



Micro-USB port for charging and programming

Integrated antenna design

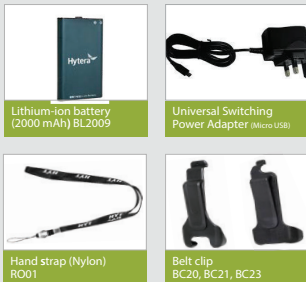


Compact design and easily readable display

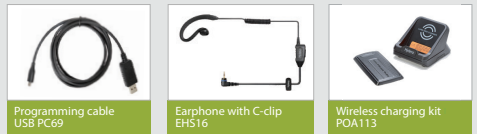
Programmable keys

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

In the box



Optional accessories



Technical Data

General data	
Frequency range PD355 / PD365 PD375	UHF: 400 - 440 MHz, 430 - 470 MHz UHF: 450 - 520 MHz, 430 - 480MHz
Supported operating modes	• DMR Tier II in acc. with ETSI TS 102 361-1/2/3 • Analogue
Channel capacity	256 (128 analogue + 128 digital)
Number of zones	16 (with max. 16 channels each)
Channel spacing	12.5 / 25 kHz (analogue) 12.5 kHz (digital)
Operating voltage	3.7 V (nominal)
Standard battery	2000 mAh (lithium-ion battery)
Battery life (5-5-90 duty cycle, high transmitting power, standard battery)	approx. 10 hours (analogue) 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, ± 15kV (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

Your Hytera partner:



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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 (< 1GHz) -30 dBm (> 1GHz)
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	+ 1dB at - 3dB
Nominal audio distortion	≤ 3 %
Digital vocoder type	AMBE+2™

Receiver	
Sensitivity (analogue)	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-to-noise ratio (S/N)	40 dB at 12.5 kHz 45 dB at 25 kHz
Audio power output	0.4 W
Nominal audio distortion	≤ 5%
Audio sensitivity	+ 1 dB at - 3dB
Conducted spurious emission	< -57dBm

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

Further information can be found at:

www.hytera.co.uk

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Hytera reserves the right to modify the product design and the specifications. In case of a printing error, Hytera 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 European export regulations.

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