

With lightweight build and long battery life, the PD4 series from Hytera are ideal communication devices for everyday work. The PD4 series supports both analogue and digital operation, ensuring a smooth migration to digital radio for any user.

PD4 series radios are easy to carry and use, making it ideal for users who need to be flexible when at work. They also have a comprehensive range of compatible accessories which enables users to tailor their device to their specific needs. And as entry-level devices, PD4 series users can achieve reliable and robust communication at an affordable price point.



Specifications

General	
Frequency Range	VHF: 136 - 174 MHz UHF: 400 - 470 MHz UHF3: 350 - 400 MHz
Supported operating modes	<ul style="list-style-type: none"> DMR Tier II in acc. with ETSI TS 102 361-1/2/3 Analogue
Channel capacity	256 (128 analogue + 128 digital)
Number of zones	3 (with max. 16 channels each)
Channel spacing	12.5 / 25 kHz
Operating voltage	7.4 V (nominal)
Standard battery	1500 mAh (lithium-ion battery)
Battery life (5-5-90 duty cycle)	analogue / digital: approx. 12 / 16 hours (with 1500 mAh) approx. 16 / 22 hours (with 2000 mAh)
Frequency stability	± 0.5 ppm
Antenna impedance	50 Ω
Dimensions (H × W × D) (without antenna)	112 × 54 × 28 mm
Weight (with antenna and standard battery)	approx. 270 g
Programmable keys	2
Range of the RFID reader	up to 4 cm

Environmental	
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	IP55
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	VHF: 1 / 5 W UHF: 1 / 4 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 (12 dB SINAD) 0.22 µV (typical) (12 dB SINAD) 0.4 µV (12 dB SINAD)
Sensitivity (digital)	0.22 µV / BER 5 %
Adjacent channel selectivity	TIA-603: 60 dB at 12.5 kHz / 70 dB at 25 kHz ETSI: 60 dB at 12.5 kHz / 70 dB at 25 kHz
Intermodulation	TIA-603: 70 dB at 12.5 / 25 kHz ETSI: 65 dB at 12.5 / 25 kHz
Spurious response rejection	TIA-603: 70 dB at 12.5 / 25 kHz ETSI: 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	0.5 W
Nominal audio distortion	≤ 3%
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.

Accessories

Standard

	BL1504 Lithium-ion battery (1500 mAh)
	RO03 Hand strap
	BC08 Belt clip
	PS1044 Switching power adapter for charger
	CH10A07 MCU Rapid-Rate Charger

Optional

	SM26M1 Remote speaker microphone
	SM131M External microphone & speaker
	PS2005 Dual charger
	MCA08 Six-Unit Charger including Power Adapter
	BL2010 Lithium-ion battery (2000 mAh)

Call Systems Technology Ltd

Unit 240, Centennial Park, Elstree, Hertfordshire, WD6 3SJ
Registered address: 50 Seymour Street, London W1H 7JG
Registered in England No. 4025235 • VAT Reg. No. GB 220 8954 10

Stay connected:

