

QCOM

PD-32W DMR DIGITAL MOBILE RADIO ASSOCIATION



- Digital DMR Tier II / Analog
- Diversified remote emergency alarm
- IP67 dustproof and waterproof
- Dual Direct Access
(2 Time Slot on Simplex)
- One Touch Single Call,
Group Call and Emergency Call
- Durable Full Al-Alloy Casing
- 1800mAh Lithium Battery - Standard
- 2200mAh Long Life Battery - Optional
- High quality 40MM 1 Watt Speaker
- Up to 4 Shortcut Quick Access Keys

ACCESSORIES

BATTERY, ANTENNA, BELT CLIP,
DESK TOP CHARGER

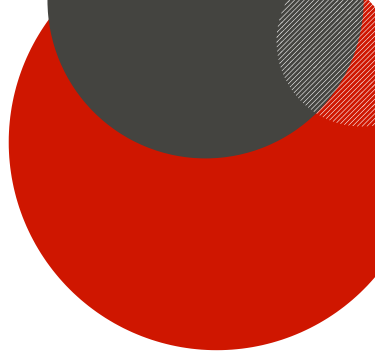
APPLICATIONS

SHOPPING CENTERS, CONSTRUCTION
SECURITY, SCHOOLS, UTILITIES, HOTELS

QCOM AUSTRALIA PTY LTD

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PD-32W DMR SPECIFICATIONS



General Specifications

Model	PD-32W
Frequency	VHF: 136-174MHz UHV: 350-390MHz, 400-470MHz 450-520MHz
Channel Capacity	2 Zones 32 CH (16CH/Zone)
Channel Spacing	25 kHz / 12.5 kHz
Operating Temperature	-25°C ~ + 60°C
Frequency Stability	±2.5ppm
Operating Voltage	7.4VDC
Antenna Impedance	50Ω
Microphone Impedance	2.2KΩ
Battery Life (5-5-90 duty cycle)	1800mAh: Analog 13.9 hrs Digital 17.5 hrs 2200mAh: Analog 16.9 hrs Digital 21.4 hrs
Dimensions (W x L x H)	126mm x 53mm x 6.5mm
Weight	280g (with battery and antenna)

Transmitter

RF Output Power	UHF 4W (High Power) 1.5 W (Low Power)
FM Modulation	16KΦF3E @ 25kHz 8KΦF3E @ 12.5kHz
4FSK Digital Modulation	12.5 kHz Data: 7K60FXD 12.5 kHz Voice & Data: 7K60FXW
Digital Vocoder Type	AMBE ++
Digital Protocol	ETSI-TS102 361-1, -2 NXDN Part 1-A Common Air Interface Ver. 1.3
Harmonic	≥ 70 dB
SNR (signal to noise ratio)	≤-45dB @ 25kHz ≤-40dB @ 12.5kHz
Rated Audio Distortion	≤ 5%
Frequency Stability	± 2.5 ppm
Max Frequency Deviation	≤5kHz @ 25kHz ≤2.5kHz @ 12.5 kHz

- All specifications are subject to change without notice due to continuous development
- Complies with Australia / New Zealand RF standards

Receiver

Sensitivity (12 dB SINAD)	Analog ≤0.22uV@25kHz ≤0.25uV@12.5kHz Digital 0.22uV(BER 5%)
SNR	≥-45dB @ 25kHz ≥-40dB @ 12.5kHz
Adjacent Channel Selectivity	≥-70dB @ 25kHz ≥-65dB @ 12.5kHz
Intermodulation	≥-65dB @ 25kHz ≥-60dB @ 12.5kHz
Spurious Rejection	≥70 dB
Audio Output Power	≥ 1000 mW
Audio Distortion	≤ 5%



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