



IPD43(G)

DMR Anti-Explosive Handheld Radio Communication System

This radio is the new generation of ATEX radios. IPD43(G) is designed upon the strict requirements of European ATEX and north American FM standard. The radio works safely in most hazardous environment.

General specifications

Frequency range (UHF).....	400-470 MHz+136-174 MHz
Number of channels.....	1024
Zone capacity.....	64 (each zone, 16 channels)
Channel space.....	12.5/20/25 KHz
Frequency stability.....	±1.5ppm
Antenna impedance.....	50 ohm

RX specifications

Sensitivity.....	0.3μV (12dB SINAD) 0.22μV (12dB SINAD) (typical) 0.4μV (20dB SINAD)
Digital sensitivity.....	0.3μV / BER5%

TX specifications

RF output power.....	1W
Type of analog modulation.....	FM modulation
Type of digital modulation.....	4FSK digital modulation
Audio distortion.....	≤ 3%
Audio response.....	1 ~ -3dB
Voice compression.....	SELP
Digital protocol.....	ETSI-TS102 361-1,-2,-3

Environmental and mechanical specifications

Dimensions (without antenna).....	14x5.5x4.9 cm (W×D×H)
Weight.....	495g
LCD dimensions.....	1.8 inch, 4 rows
Operating temperature.....	-30 to +60 °C
Storage temperature.....	-40 to +85 °C
Subjected to.....	MIL-STD-810 C/D/E/F/G and IP67 ATEX/IECEX/FM/CSA/CQST IIC certificated