



## BF-TM950

### DMR Tier III Trunking Mobile Radio

With strong anti-interference, this efficient mobile radio works in different modes, including DMR Tier III trunking, MPT1327, DMR and analog conventional, ensuring its interoperability with the legacy analog networks. Operated on a desktop or mounted in a vehicle, its flexible design enables great performance through its simple operation via the handheld microphone, making it an ideal solution for public security, rescue, utilities, etc.



# SPECIFICATION

General	
Frequency Range	UHF:350-400/400-470/450-520MHz
Channel Capacity	1024
Zones	64
Channel Spacing	12.5KHz / 25KHz
Antenna Impedance	50 $\Omega$
Operating Voltage	DC13.8V ( $\pm$ 20% )
Size	180(L)x199(W)x63(H)mm
Weight	1.5kg
LCD Display	2.0" IPS 240*320 pixels
Vocoder	AMBE++/NVOC
Transmitter	
Output Power	High Power:45W/25W Middle Power: 10W Low Power: 5W
Frequency Stability	$\pm$ 0.5ppm
4FSK Modulation	12.5KHz (data only): 7K60FXD; 12.5KHz (data and voice): 7K60FXE
FM Modulation	12.5KHz: 8K50F3E; 25KHz: 16K $\Phi$ F3E
Modulation Limitation	+/-2.5KHz @ 12.5KHz; +/-5KHz @ 25KHz
FM Noise	-40dB
Spurious Emission	-36 dBm $\leq$ 1GHz; -30 dBm $\geq$ 1GHz
Adjacent Channel Power	$\leq$ -60dB
Audio Response	+1/-3dB
Audio Distortion	$\leq$ 3%
Receiver	
Digital Sensitivity	5% BER: 0.22 $\mu$ V
Analog Sensitivity	0.22 $\mu$ V (12 dB SINAD)
Intermodulation	65dB
Adjacent Channel Selectivity	60dB
Spurious Suppression	70dB
FM Noise	-40dB
Audio Response	+1/-3 dB
Rated Audio Power Output	3W
Audio Distortion	3%(typical)
Conduction Radiation	-57dBm
Environmental	
Working Temperature	-30 $^{\circ}$ C —— +60 $^{\circ}$ C
Storage Temperature	-40 $^{\circ}$ C —— +85 $^{\circ}$ C
Humidity Protection	MIL-STD-810C/D/E/F
Shock and Vibration	MIL-STD-810C/D/E/F
GPS	
Horizontal Accuracy	10m
TTFF (Time to First Fix) Cold Start	30s
TTFF (Time to First Fix) Hot Start	10s

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