

Specifications

General

Frequency	VHF1:136-174 MHz UHF1:400-470MHz UHF3:350-400MHz
Channel Capacity	1024
Channel Space	12.5KHz/25KHz
Dimensions(H*W*D)	60*174*190mm
Weight	1500g
LCD	2.8" HD TFT LCD 240x320 pixels, 262K colors
Operating Voltage	DC13.6V±15%
Current Drain	<9A (45W) <7A (25W) <5A (5W)

Transmitter

Frequency Stability	0.5ppm
RF Power Output	High Power Model: 45~50W Low Power Model: 25W
Digital Modulation	7K60FXD(Data Only) /7K60FXW(Data and Voice)
FM Modulation	16K C/F3E@25KHz / 11K C/F3E@12.5KHz
4FSK Modulation Accuracy	5%
4FSK BER	0%
4FSK and Magnitude Error	5%/1%
Adjacent Channel Power	70dB@25KHz / 60dB@12.5KHz
Conducted and Radiated Emission	-36dBm <1GHz / -30dBm >1GHz
Transmission Deviation limits	5KHz@25KHz / 2.5KHz@12.5KHz
Audio Distortion	3%
Hum and Noise	45dB@25KHz / 40dB@12.5KHz
Audio Response	+1dB ~ 3dB

Receiver

Digital Sensitivity	-120dBm / BER 5% -116dBm / BER 1%
Digital Dynamic Faded Sensitivity (100KM/H& 8KM/H Rayleigh Fading)	-104dBm
Analog Sensitivity	-120dBm / 12dB SINAD
Intermodulation	75dB (TIA603) / 70dB(ETSI)
Blocking	95dB (TIA603 & ETSI)
Spurious Response Rejection	75dB (TIA603 & ETSI)
Selectivity	75dB@25 KHz(TIA603&ETSI) /65dB@12.5KHz(TIA603&ETSI)
Conducted Spurious Emission	-57dBm
Rated Audio Power Output	4W(Internal@20ohm load) /7.5W(External@8ohm load)
Rated Audio Distortion	3%
Hum and Noise	45dB @25KHz / 40dB@12.5KHz
Audio Response	+1dB ~ -3dB
Digital Vocoder Type	AMBE++ / NVOC
Digital Protocol	ETSI-TS102 361 -1, -2,-3,-4

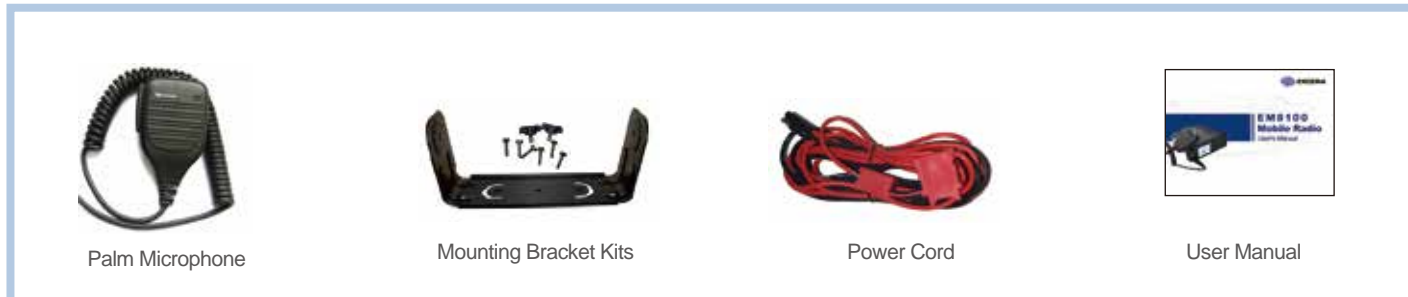
Reliability

Operating Temperature	-30 ~ +60 C
Storage Temperature	-40 ~ +85 C
IP Rating/Humidity	IP54(The Control Panel IP67 Design)
Shock&Vibration	MIL-STD-810 C/D/E/F/G standard
ESD	IEC 61000-4-2(level 4) ±8KV(Contact) , ±15KV(Air)

GPS&GLONASS

TIFF Cold Start	60s
TIFF Hot Start	10s
Horizontal Accuracy	10meters

Standard Accessories :



Pictures above are for reference only and may vary from actual products.

SHENZHEN EXCERA TECHNOLOGY CO.,LTD.
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DMR Mobile Radio EM8100

- ◆ Full Duplex Communications
- ◆ 2.8" HD TFT LCD Display
- ◆ IP54 and MIL-STD-810 Standards Compliance
- ◆ DMR Tier II Conventional and DMR Tier III Trunked

