

Rugged-Reliable Two-way Radio



## Dual Mode Radio(LTE/4G+DMR)

- Support LTE(4G) and Digital DMR Network
- Dual Antenna, Dual Mode and Dual Standby
- 4G Mode for Worldwide Communication
- DMR Mode with Powerful Output 5W
- Audio Recording Function (Optional)



# SE800D

Dual Mode Radio(LTE/4G+DMR)

<http://www.sfecom.cn>

## Main Features

- Support LTE(4G) and DMR Digital Network
- Dual Antenna, Dual Mode and Dual Standby
- 4G Mode for Worldwide Communication
- DMR Mode with Powerful Output 5W
- Dual Work, 4G Mode and DMR/Analog Mode Selective
- Repeater Mode for 4G and DMR/Analog Communication
- Group Call and Individual Call
- REAL PTT Platform for LTE(4G) Version
- With Functional Dispatching System
- GPS Function Optional
- 1.8 Inch Color LCD Display
- Li-ion Battery Capacity 2600mAh/3500mAh
- Emergency Alarm Function
- PC Programmable for Analog
- Superb Clear and Powerful Audio Output

## Accessories



Above specifications are tested according to TIA/EIA-603.  
Above specifications are subject to change without any notice due to technology enhancement.

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## General

Frequency Range	VHF136-174MHz / UHF400-470MHz
Channel Capacity	1024Channels (16channels*64groups)
Operation Voltage	7.4V DC $\pm$ 10%
Battery Capacity	2600mAh/3500mAh
Dimension(W*H*D)(Projections excluded)	53*33*116mm

## Transmitter (ETSI EN 300 086 Testing Standard)

Bandwidth	12.5KHz
RF Power Output(High/Low)	VHF:5W/1W UHF:4W/1W
Modulation(4FSK)	7K60FXD (Data Only);7K60FXW(Data & Voice)
Spurious Emission	(-) 36dB<1GHz, (-) 30dB<1GHz,
Adjacent Channel Power	$\geq$ 65dB
Hum & Noise	$\geq$ 45dB
Audio Response	(+)1~-3dB(0.3~3KHz)
Digital Vocorder	AMBE +2™
Modulation Distortion	Less than 3%
Frequency Stability	(+/-)0.5ppm
Digital Protocol	ETSI-TS102 361-1,-2,-3
Modulation Limited	$\pm$ 2.5@12.5KHz; $\pm$ 5.0@25KHz

## Receiver (ETSI EN 300 086 Testing Standard)

Sensitivity(12dB SINAD)	Analog: 5% BER: 0.20 V Digital: 5% BER: 0.25 V
Adjacent Channel Selectivity	$\geq$ 55dB
Intermodulation	$\geq$ 55dB
Spurious Response Rejection	$\geq$ 55dB
Audio Response	(+)1~-3dB(0.3~3KHz)
Hum & Noise	$\geq$ 40dB
Audio Distortion	$\leq$ 3%
Audio Output	750mW with less than 5% distortion

## PoC Part

Frequency Range	LTE_FDD: B1/B3/B7/B8/B20 WCDMA: B1/B8
	GSM: B3/B8 Other Bands Customized
Operation System	Linux
RF Power	$\leq$ 30dBm / LTE $\leq$ -96dBm
Working Temperature	-20 ~ +60 °C
GPS	Optional

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