

## Rugged-Reliable Two-way Radio



### Superb Clear and Strong Audio Quality

- High Power Output 5W
- Scan and Priority Scan
- CE, R&TTE and FCC Approved
- Small Size and Light Weight
- Compact, Reliable and Durable

# S820

## Professional Two-way Radio

<http://www.sfecom.cn>

### Main Features

- 16 Channels
- Compact, Reliable and Durable
- 50 Groups CTCSS, 104 Groups DCS
- VOX Function
- Wide/Narrow Bandwidth Selective  
Via Software(25KHz/12.5KHz)
- Li-Ion Battery 1300mAh
- Voice Guide/Prompt
- Channel Scan, Priority Scan
- CE, R&TTE and FCC Approved
- PC Programming
- Wire Clone Function
- Auto Battery Save
- Time Out Time(TOT)
- Busy Channel Lockout

### General

Frequency Range:	UHF:400-470MHz & VHF:136-174MHz
Channel Capacity	16 Channels
Operation Voltage	7.2V DC ± 20%
Channel Spacing	25KHz(Wide)/12.5KHz(Narrow)
Antenna Impedance	50 Ω
Battery Capacity	1300mAh(Li-Ion Battery)
Battery Life (5-5-90 Duty Cycle)	About 12 Hours
Operating Temperature	-30°C - +60°C
Frequency Stability	± 2.5ppm
Dimension(W*H*D)(Projections excluded)	52*28*100mm
Weight(Antenna & Battery Included)	210g

### Transmitter (ETSI EN 300 086 Testing Standard)

Bandwidth	Wide Band 25KHz	Narrow Band 12.5KHz
RF Power Output(High/Low)	4W/2W/0.5W	
Modulation	16KΦF3E	11KΦF3E
Spurious Emission	≥ 36dB	≥ 36dB
Adjacent Channel Power	≥ 70dB	≥ 60dB
Hum & Noise	≥ 40dB	≥ 36dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.25KHz)
Modulation Limiting	±5.0KHz ±2.5KHz	±2.5KHz
Modulation Distortion	Less than 5%	
Frequency Stability	+/-5ppm	

### Receiver (ETSI EN 300 086 Testing Standard)

Bandwidth	Wide Band 25KHz	Narrow Band 12.5KHz
Sensitivity(12dB SINAD)	≤ 0.25μV	≤ 0.35μV
Adjacent Channel Selectivity	≥ 70dB	≥ 60dB
Intermodulation	≥ 65	≥ 60dB
Spurious Response Rejection	≥ 70dB	≥ 70dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.25KHz)
Hum & Noise	≥ 45dB	≥ 36dB
Audio Distortion	≤ 5%	
Audio Output	500mW with less than 10% distortion	

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

### Accessories

