

SFE®

S510

Rugged-Reliable Two-way Radio



**Rainproof, Dustproof, Shatterproof
(Used for harsh environments)**

- CE and R&TTE Type Approved
- Emergency Alert
- Power Output: UHF 4W/VHF 5W
- DTMF Code(Kill & Relive Function)(Optional)
- Robust, Rugged, Reliable and Durable

S510

Professional Two-way Radio

<http://www.sfecom.cn>

Main Features

- 16 Channels
- PC Programming
- Output Power UHF 4W/VHF 5W
- 50 Groups CTCSS, 104 Groups DCS
- High/low Power Selective
- VOX Function
- Emergency Alert
- Voice Guide/Prompt
- Busy Channel Lockout
- Scan and Priority Scan
- Auto Battery Save
- Time Out Time(TOT)
- Wide/Narrow Bandwidth Selective (25KHz/12.5KHz)
- CE and R&TTE Type Approved

Accessories



Battery Pack



Antenna



Charger



AC Adapter



Belt Clip



Hand Strap

General

Frequency Range:	UHF:400-470MHz & VHF:136-174MHz
Channel Capacity	16 Channels
Operation Voltage	7.4V DC \pm 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	\pm 2.5ppm
Dimension(W*H*D)(Projections excluded)	55*31.5*99mm
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	16K Φ F3E	11K Φ F3E
Spurious Emission	\geq 36dB	\geq 36dB
Adjacent Channel Power	\geq 70dB	\geq 60dB
Hum & Noise	\geq 40dB	\geq 36dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.25KHz)
Modulation Limiting	\pm 5.0KHz \pm 2.5KHz	\pm 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)	\leq 0.25 μ V	\leq 0.35 μ V
Adjacent Channel Selectivity	\geq 70dB	\geq 60dB
Intermodulation	\geq 65	\geq 60dB
Spurious Response Rejection	\geq 70dB	\geq 70dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.25KHz)
Hum & Noise	\geq 45dB	\geq 36dB
Audio Distortion	\leq 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.

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