

GENERAL SPECIFICATIONS

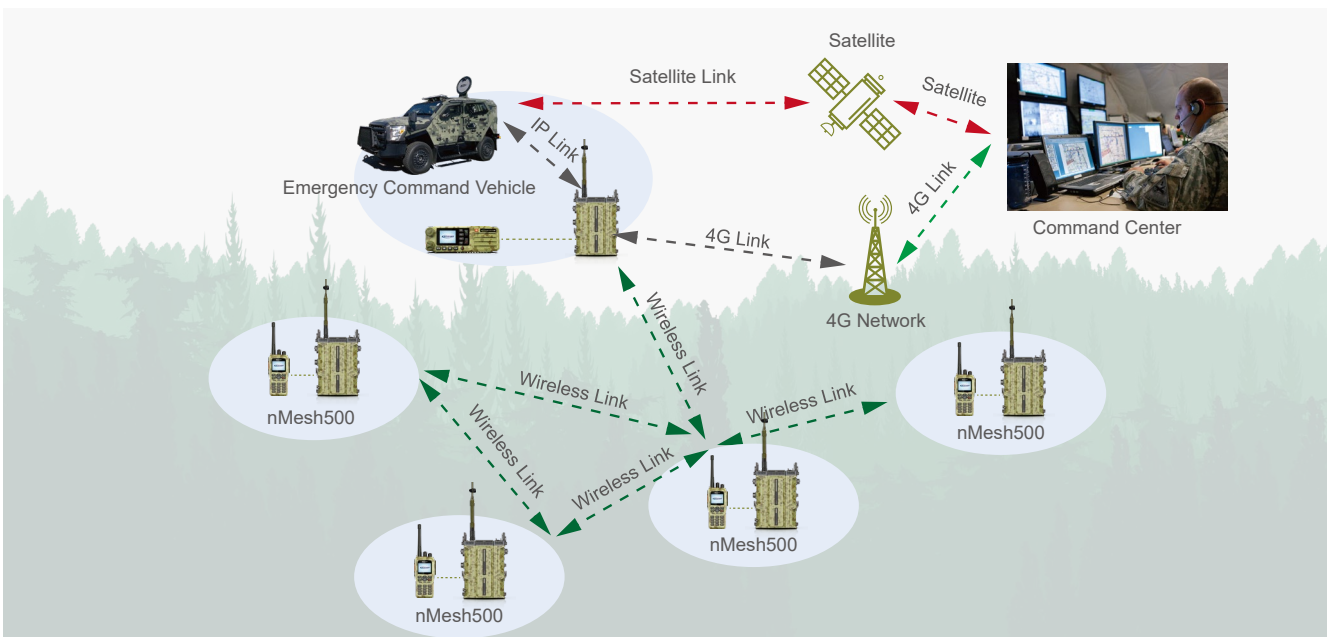
General

Frequency Range	136-174 MHz, 350-400 MHz, 400-470 MHz
Channel Capacity	1024
Zone Capacity	248
Channel Spacing	12.5 kHz / 20 kHz / 25 kHz
Operating Voltage	13.6 V DC \pm 15%
Battery	16 Ah
Operating Temperature	-30 °C to +60 °C
Frequency Stability	\pm 0.5 ppm
Antenna Impedance	50 Ω
Dimensions (H x W x L) (with standard battery, without antenna)	325.5 x 244 x 78 mm
Weight (with standard battery)	About 4.5 kg (16 Ah)
Display	2.4 inch
Secondary Development	Support Third Party Development & Applications through Accessory Port

Transmitter

Sensitivity	Analog	0.18 μ V (12 dB SINAD) (typical)
	Digital	0.18 μ V / BER 5% (typical)
Selectivity		60 dB @ 12.5 kHz, 70 dB @ 20 / 25 kHz (TIA-603)
		60 dB @ 12.5 kHz, 70 dB @ 20 / 25 kHz (ETSI)
Intermodulation		70 dB @ 12.5 kHz / 25 kHz (TIA-603)
		65 dB @ 12.5 kHz / 25 kHz (ETSI)
Spurious Response Rejection		70 dB @ 12.5 / 20 / 25 kHz (TIA-603)
		70 dB @ 12.5 / 20 / 25 kHz (ETSI)
Hum and Noise		40 dB @ 12.5 kHz, 45 dB @ 20 / 25 kHz
Rated Audio Distortion		\leq 3% (typical)
Audio Response		+1 to -3 dB
Conducted Spurious Emission		-57 dBm @ < 1 GHz, -47 dBm @ 1 GHz

NETWORK DIAGRAM



MAIN ACCESSORIES

Model Photo Description

Model	Photo	Description
Power Supply		S16 connector
Power Cable		GPS antenna, 5 M cable, SMA
Hand Microphone		250 V, 10 A, SJTW 18 / 3C, 1.5 m long, UL certified
Antenna		Input: 110-240 V, output: DC 12 V

Receiver

RF Power Output	50 W (adjustable)
FM Modulation	11K0F3E @ 12.5 kHz / 14K0F3E @ 20 kHz / 16K0F3E @ 25 kHz
4FSK Digital Modulation	12.5 kHz Data: 7K60F1D and 7K60FXD 12.5 kHz Voice: 7K60F1E and 7K60FXE Combination of 12.5 kHz Voice and Data: 7K60F1W
Modulation Limiting	\pm 2.5 kHz @ 12.5 kHz / \pm 4.0 kHz @ 20 kHz / \pm 5.0 kHz @ 25 kHz
FM Hum and Noise	40 dB @ 12.5 kHz, 45 dB @ 20 / 25 kHz
Adjacent Channel Power	60 dB @ 12.5 kHz, 70 dB @ 20 / 25 kHz
Audio Response	+1 to -3 dB
Audio Distortion	\leq 3% (typical)
Digital Vocoder Type	AMBE +2™
Digital Protocol	ETSI TS 102 361-1, -2, -3, -4