



General specifications	
Frequency range	30-87.9875MHz
Number of frequency channels	tactical military operation
Frequency channel spacing	25KHz/12.5KHz
Number of preset channels	10
Type of communication	Simplex/Half-duplex
Modulation type	FM (plain mode)/BFSK (cipher & FH mode)
Input power supply	24V
Antenna type	Wideband (AT-3090)
Antenna impedance	50Ω
Number of sub bands	9
Hopping bandwidth	6.4MHz
Number of SMS memory	8 (inbox)
Transmitter specifications	
Output power	R1:40W,4W,0.25W/R2:4W,2W,0.1W
Frequency stability	±2PPM
Pilot tone frequency	150±2Hz
Harmonic rejection	Better than 56dBc
Current consumption	Less than 10A in H mode
Distortion	Less than 7%
Maximum PTT time	3 minutes in active mode/no limit in inactive mode
1KHz modulation deviation	4~6.5KHz (25KHz channel spacing) 2~3.25KHz (12.5KHz channel spacing)
Receiver specifications	
Sensitivity	-107dBm/12dB
Distortion	Less than 7%
Current consumption	600mA
IF (Intermediate Frequency) rejection	Better than 70dB
Image frequency rejection	Better than 70dB
Adjacent channel rejection	Better than 70dB
Output audio level.	>2.5Vrms
Squelch type	Noise/Tone
Audio frequency response	0.3~3KHz
Mechanical specifications	
Dimensions (W×H×D)	340×200×220mm
Weight	9.5Kg
Environmental specifications	
Operating temperature	-30°C ~ +65°C
Storage temperature	-40°C ~ +70°C
Standard	IDS-810