

General		
Frequency	UHF1: 400-470MHz UHF2: 450-520MHz UHF3: 350-400MHz VHF: 136-174MHz	
Channel Capacity	16	
Channel Spacing	12.5kHz/20kHz/25kHz	
Operating Voltage	13.6V±15%	
Current Drain	Standby	<0.8A
	Transmit	<11A
Frequency Stability	±0.5ppm	
Antenna Impedance	50Ω	
Duty Cycle	100%	
Dimensions (H×W×D)	88 X 483 X 366 mm	
Weight	8.5 kg	
LCD Display	220*176 pixels, 262000 colors 2.0 inch, 4 rows	
Transmitter		
RF Power Output	5-50W	
FM Modulation	11K0F3E @ 12.5kHz 14K0F3E @ 20kHz 16K0F3E @ 25kHz	
4FSK Digital Modulation	12.5kHz Data Only: 7K60FXD 12.5kHz Data & Voice: 7K60FXW	
Conducted/Radiated Emission	-36dBm <1GHz -30dBm >1GHz	
Modulation Limiting	±2.5 kHz @ 12.5 kHz	

		±4.0 kHz @ 20 kHz ±5.0 kHz @ 25 kHz
FM Hum & Noise		40dB @ 12.5 kHz 43dB @ 20 kHz 45dB @ 25 kHz
Adjacent Channel Power		60dB@12.5kHz 70dB@20 /25kHz
Audio Response		+1 ~ -3dB
Audio Distortion		≤3%
Digital Vocoder Type		AMBE++ or SELP
Digital Protocol		ETSI-TS102 361-1,-2,-3
Receiver		
Sensitivity	Analog	0.3μV (12dB SINAD) 0.22μV (Typical) (12dB SINAD) 0.4μV (20dB SINAD)
	Digital	0.3uV/BER5%
Adjacent Channel Selectivity		
TIA-603		65dB @ 12.5 kHz ; 75dB @ 20/25 kHz
ETSI		65dB @ 12.5 kHz ; 75dB @ 20/25 kHz
Intermodulation		
TIA-603		75dB @ 12.5/20/25 kHz
ETSI		70dB @ 12.5/20/25 kHz
Spurious Response Rejection TIA-603		
ETSI		80dB @ 12.5/20/25 kHz 80dB @ 12.5/20/25 kHz
Blocking		
TIA-603		90dB
ETSI		90dB

Hum and Noise	40dB @ 12.5kHz 43dB @ 20kHz 45dB @ 25kHz
Rated Audio Power Output	0.5W
Rated Audio Distortion	≤3%
Audio Response	+1 ~ -3dB
Conducted Spurious Emission	<-57dBm