

Technical Specifications

General Specification

Frequency range	410~470MHz	
Operating mode	Half-duplex	
Channel spacing	25KHz, 12.5KHz	
Modulation type	GMSK	
Operation voltage	12V	
Power dissipation(Typical)	High power level (35W)	≤110W @ DC 12V
	High power level (30W)	≤100W @ DC 12V
	High power level (20W)	≤75W @ DC 12V
	Low power level (15W)	≤60W @ DC 12V
	Low power level (10W)	≤45W @ DC 12V
	Low power level (5W)	≤25W @ DC 12V
	Standby	≤1.5W @ DC 12V
Frequency stability	≤±1.0ppm	
Size	186×140×73mm	
Weight	About 1.5kg	
Temperature(operation)	-30°C~+65°C	
Temperature (storage)	-40°C~+85°C	

Antenna port	TNC, female	
Antenna impedance	50ohm	
Data interface	LEMO 5Pin	
Transmitter		
RF output power	High level (35W)	45.5±0.5dBm@DC12V
	High level (30W)	44.8±0.5dBm@DC12V
	High level (20W)	43±1dBm@DC12V
	Low level (15W)	41.8±1dBm@DC12V
	Low level (10W)	40±1dBm@DC12V
	Low level (5W)	37.5±1dBm@DC12V
Power stability	±1dB	
Harmonics	>50dB	
Receiver		
Sensitivity	-114dBm@BER 10 ⁻³ , 9600bps	
Co-channel rejection	>-12dB	
Adjacent channel selectivity	>50dB@25KHz	
Modem		
Air baud rate	9600bps、19200bps	
Modulation type	GMSK	
Serial port baud rate	9600 bps、19200 bps、38400 bps、57600 bps、115200 bps	