

● Base Station

general	Frequency Range	350-370MHZ; 400-425MHZ
	Carriers	1~8
	TDMA	TDMA
	Modulation	4FSK
	Modulation Rate	9.6kHz
	Communication Mode	Ethernet
	Time Synchronization	GPS/BD
	Carrier Spacing	≥250kHz
	Duplex Spacing	10MHz
	Power Supply	Default AC220 / 48V (Optional)
	Power Consumption	≤ 800W(4-carrier), ≤ 1 500W(8-carrier)
	Operating Temperature	-30℃ ~+60℃
	Storage Temperature	-40℃ ~+85℃
	Dimension	Single Cabinet: 600*600*1200mm(4-carrier)
	MTBF	≥100000h
Transmitter	Frequency Discrepancy	≤ 1 x 10 ⁻⁶
	Power Output	5-50W (Adjustable)
	4FSK ERROR	≤ 2%
	4FSK Transmit BER	≤ 1 x 10 ⁻⁴
	4FSK Frequency Offset	≤ 1%
	Bandwidth	≤ 8.5kHz
	Modulation Attenuation	≤ -75dB
	ACPR	≤ -62dB @ 12.5KHZ
	Spurious Emission	9.00kHz ~ 1.00GHz: ≤ -42dBm; 1.00GHz ~ 12.75GHz: ≤ -42dBm
Receiver	Static Sensitivity	≤ -123dBm@BER5%(Antenna); ≤ -120dBm@BER5%(Radio)
	BER	≤ 1 x 10 ⁻⁴
	Modulation Band	≥ -10dB
	Adjacent Channel Rejection	≥ 62dB
	Intermodulation Rejection	≥ 72dB
	Spurious Response	≥ 80dB
	Block	≥ 90dB
	Conducted Spurious	9.00kHz ~ 1.00GHz: ≤ -70dBm; 1.00GHz ~ 12.75GHz: ≤ -70dBm

● Portable Terminal

General	Frequency Range	UHF1: 400 - 470MHz ; UHF2: 350 - 370MHz / 350-400MHZ
	Channel Spacing	25 / 20 / 12.5KHZ
	Frequency Stability	± 0.5ppm
	Antenna Impedance	50 Q
	Operating Voltage	7.4V (rated)
	Battery Capacity	3350mAh (Li-Ion)
	Positioning	GPS & BEIDOU
	Bluetooth	4.0
	Dimensions	Size: 65 (L) *32 (W) *150(H) mm Weight: 350g
	Screen	320*240 pixels, 2.0 inch, IPS screen
Environmental	Operating Temperature	-30°C ~+60°C
	Storage Temperature	-40°C ~+85°C
	ESD	IEC 61000 - 4 - 2 (level 4) 8kV(contact) ; 15kV (air)
	MIL Standard	MIL-STD-810 C/D/E/F/G
	Dust& Water Protection	IP68 Standard
	Humidity Protection	Per MIL-STD-810 C/D/E/F/G Standard
	Shock& Vibration	Per MIL-STD-810 C/D/E/F/G Standard



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