
5) SPECIFICATIONS

<u>General</u>	Digital voice coding	32 kbps ADPCM
	Voice delay	<10 ms end-to-end
	Signalling	Hook status, Pulse dialing, T&R polarity, Ring cadence
	Data Rate	Up to 14.4 kbps (supports Bell 212A, V.32bis)
	Dimensions	6.0"x6.5"x2.5" (HxWxD)
	Weight	600 g
	Operating temperature	Extended -40° to 70° C
<u>Radio</u>	Humidity	0 to 95% non-condensing
	Frequency Range	ISM, 902-928 MHz
	Channels	8
	RF Modulation	GMSK
	Digital Modulation	Direct Sequence Digital Spread Spectrum
	Bandwidth	2.3 MHz
	Output power	100 mW (20 dBm +/- 2 dBm)
	Receiver sensitivity	-90 dBm @ 10e-3 BER
	Approved antennas	3 dBd / 5 dBi omni-directional "Phantom" (ANTENEX TRA9023NP) 6 dBd / 8 dBi directional (MAXRAD MYA-9153) 11 dBd / 13 dBi directional (MAXRAD MYA-91512)
	Certification	IC RSS210 Issue 2, FCC Part 15 Subpart B and C
<u>Phone</u>	Interface	600 Ω , loop-start
	Ringing Amplitude	> 45 Vrms @ 1 REN
	Ringing Frequency	20 Hz
	Ringer Waveform	Sinusoidal
	Battery Voltage	-48 Vdc
	Loop Current	25 mA
	Supply Voltage	10 to 36 Vdc
	Supply Power	2.75 W (max)
	Power Termination	Screw Terminal (2 position) + / -
	Loop Termination	Screw terminal (2 position) T / R
	Burst-sync Termination	Screw Terminal (4 position) M, D, /D, G
	Cable Access	Through weather resistant strain relief
	Antenna Termination	External reverse TNC connector
	Protection	Secondary
	Certification	IC CS03 Issue 8, FCC Part 68 Subpart D
<u>Line</u>	Interface	> 600 Ω , loop-start
	Ringing load	< 1 REN
	Ring detect	40 - 120 Vrms
	Supply Voltage	10 to 36 Vdc
	Supply Power	1.75 W (max)
	Power Termination	Screw Terminal (3 position) + / - / Earth ground
	Loop Termination	Screw terminal (2 position) T / R
	Burst-sync Termination	Screw Terminal (4 position) M, D, /D, G
	Cable Access	Through weather resistant strain relief
	Antenna Termination	External reverse TNC connector
	Protection	Primary, Secondary
	Certification	IC CS03 Issue 8, FCC Part 68 Subpart D
<u>Craft Support</u>	Power On	LED
	Communication Link	LED
	RF Receive Signal Strength	Analog output, 0 to 1 Vdc
	Registration	Push-button switch
	Monitor Port	3 pin header