

Trailblazer™ Series – Designed and Built for Plug-and-Play

Specifications for Trailblazer™ Ethernet Bridge

Baseband Performance

Programming Digital Interface	RS-232 asynchronous, SNMP
Air Interface	IEEE 802.11b
Line Interface	10/100 BaseT Ethernet
Connectors	RJ-45
Capacity	2 Mbps or 11 Mbps

RF Performance

Frequency Range	2400 to 2483.5 MHz (in USA; possible slight variation with each country)
RF Channels	3 operational + 1 administrative
Spreading Method	Direct sequence
Spreading Codes	4
Modulation	QPSK @ 2Mb, or BPS @ 1Mb
Processing Gain	12 dB
RF Output Power	+15 dBm minimum, +16 dBm typical
System ERP	34 dBi (16 dBm + 18 dBi antenna)
Receive Sensitivity	-85 dBm @ 2 Mb, -90 dBm @ 1Mb
Antenna Connection	"N" Type Female

Power Requirements & Consumption

Filtered DC Nominal	12 - 48 volts
Absolute Minimum - Maximum	10 - 56 volts
AC Adapter	110 / 220 VAC

Environmental Specifications

Operating Temperature	-30 - +60 degrees C
Humidity	10 to 95% non-condensing
Shock and Vibration	Mil standard 810 D
Exposure to the Elements	NEMA 4X, all except submerged
Enclosure Material	GE Valox® w/ neoprene gasket
Unit Weight	8 lbs / 3.7 kg
Unit Dimensions	13 x 11 x 6 inches / 33 x 28 x 15 centimeters
Shipping Weight (complete system)	18 lbs / 8 kg
Shipping Container Size	19 x 15 x 13 inches / 47 x 37 x 32 centimeters

Certifications US, Canada, Brazil, Mexico, Philippines, Morocco

Warranty 1 Year Parts and Labor

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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