



P501-RE 1350-1390

LONG RANGE MILITARY ETHERNET BRIDGE

The P501RE is a long range, very robust transparent Ethernet bridge for L Band applications. It is ideal for applications where long range Ethernet communications are required, but an average throughput in the 100 Kbps range is sufficient. When using radios for data communications, there is always a tradeoff between throughput and range. This product provides both a long range and a significant data rate.

FOR PRICING AND MORE INFORMATION, PLEASE CONTACT US.

FEATURES

Separate diagnostics ports

Real time remote diagnostics and setup, transparent to network communications

Improved diagnostics

Including RSSI levels in dBm, antenna VSWR and transmit current

Wide input voltage range—6 to 30 Volt DC

The lowest current draw of any radio at 12 volts:

<5 mA in sleep mode with no wakeup delay

<16 mA in idle mode

<60 mA in full time receive

<500 mA transmit current

Improved low signal performance

RISC based signal demodulation with matched filter

Available in rugged or OEM board-level module

153 Kbps rate over the radio link

Identical in operation to the FGR-115RE (HT115RE)

Synthesized waveform transmit data

Reduces out of band modulation products

High noise immunity

Superior performance in noise congested environments

Secure

Proprietary spread spectrum technology prevents detection and unauthorized access

High speed

115.2 Kbps continuous throughput

Long range

60+ mile line of sight range

Error free communication

32 bit CRC with automatic retransmission

Industrial grade specifications

-40°C to +75°C

Ruggedized enclosure

Ethernet 10-base T interface



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