



RFInnovations

Leaders in Wireless Data

Remote Ethernet Bridge Module

The RFI-REMB optimises Ethernet communication for transmission over a wide area data radio network.

The module transparently transfers all protocols from the network layer such as FTP and industry standard TCP/IP Modbus and DNP protocols.



Features

- IEEE 802.3 MAC layer operation for simple deployment
- Transparently transfers all network layer protocols
- Address learning and aging
- 10/100 BaseT Ethernet
- LED and software diagnostics

Applications

The RFI-REMB is suited for applications in Utilities, Mining, Agriculture and Transport industries where reliable wide area Ethernet data transfer is critical.

The module can be used in small and large scale telemetry systems offering the convenience of Ethernet and the wide area coverage of traditional telemetry systems

The RFI-REMB transparently moves data from end-to-end at speeds of up to 115 kbps and when used with RF Innovations data radio modems can transport Ethernet data up to 50 km*.

RFInnovations

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STI-GLOBAL GROUP

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*Maximum practical point-to-point distance with line of sight and suitable antennas.

Specifications

MAC Address Forwarding	Effectively connect two LAN segments regardless of network layer protocol and IP addressing
Address Learning and Aging	The module remembers the MAC addresses on the WAN and only passes information for the remote location
Auto MDIX	The module will automatically detect if the Ethernet data signals are backwards and properly match the connected device without the need for a crossover cable
Industrial Grade	Built for industrial applications where environmental conditions are more severe than commercial grade equipment
Wireless Ready	Designed specifically for use with wireless wide-area networks

PHYSICAL

Dimensions: 69mm x 53mm x 19mm

Weight: 100g

Construction: Powder coated aluminum chassis and cover

WAN

Serial Data: RS-232 Asynchronous with handshaking

Interface Speed: 300bps to 38400bps software selectable

LAN

Ethernet: 10BaseT or 100BaseT auto detect

Mode: Half duplex or Full duplex auto detect

GENERAL

Operating Voltage: 9V to 30V DC (negative ground)

Operating Current: 150mA @12.5 VDC

Operating Humidity: Up to 90% non-condensing relative humidity

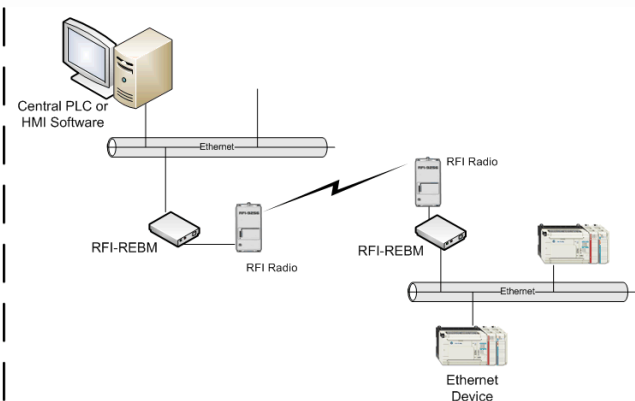
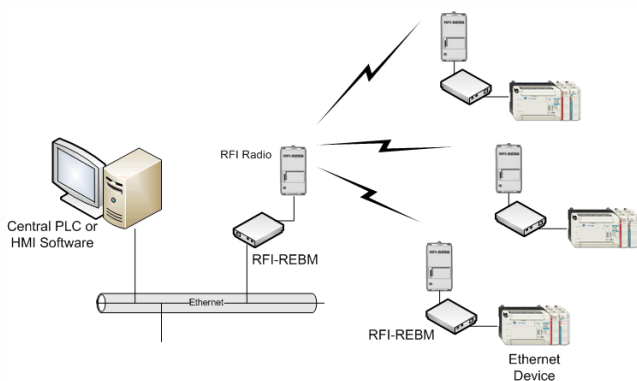
CONNECTORS

LAN: RJ45 socket

WAN: Custom DB15 connector

Power: Phoenix PH1176508 (mating connector supplied)

Specifications subject to change without notice V080904



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