



EtherPoll EPL-2 Two Port SCADA Serial Server "Ethernet Multidrop Modem"

DESCRIPTION

The two port EtherPoll EPL-2 is a SCADA communications serial server that allows multidrop devices to use Ethernet LANs. It connects any async serial device through a LAN and between LANs via routers, and is designed specifically to support asynchronous polling protocols, such as Poll Select, Modbus, DNP3, etc. The EPL-2 uses IP protocol, allowing the necessary data connection over a local LAN and across routed networks. It functions independently of the device protocol, allowing most 8 bit asynchronous protocols to be used with no configuration changes.

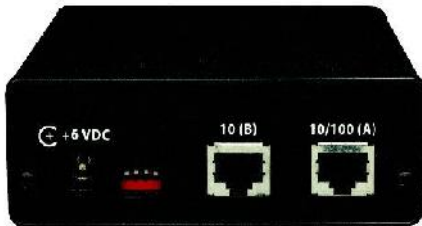
The EtherPoll EPL-2 maps data from a serial port to as few as one IP address, to as many as 32 remote IP addresses. This feature makes it easy to have redundant host sites that will always receive the same poll responses as the master host site. If you have the objective of installing a backup host site or have a second site that always monitors the RTU responses, the EPL-2 makes it easy.

The EtherPoll EPL-2 supports RS232 serial interface speeds up to 230 Kbps. Since it uses the UDP/IP protocol, overhead is much lower than it would be if TCP/IP were used, as there is no "session setup" or "session breakdown" with each connection. Up to 32 remote EPL-2s may be used with each host EPL-2.

The EtherPoll EPL-2 can be managed directly through the serial port or via TCP/IP telnet or a web browser

Security features embedded in the EtherPoll EPL-2 include fine-grained configuration and management controls, as well as the ability to turn off remote management functions.

Instead of replacing your existing serial RTUs and SCADA system with ethernet RTUs, add the EtherPoll EPL-2 for a fraction of the cost. OEM manufacturers can design the EPL-2 into their products or use it as an add-on method to gain ethernet connectivity. DCB supplies the EPL-2 to many other companies and can provide custom firmware for specific applications. A similar model, the EEP-2, is an encrypted version, using AES-128 bit encryption. Call for details.



FEATURES

- Two port EtherPoll for serial polling IP networks
- Ideal for Intranet or the Internet
- Configuration via web browser, telnet or direct connection
- Enable SCADA async serial polling via ethernet
- SNMP agent functionality
- Protocol independent; works with any byte-oriented asynchronous protocol
- Each serial port connects up to 32 remote IP addresses over Ethernet LAN/WANs
- RS232 interface speeds to 230 Kbps
- Two independent serial ports
- Two Ethernet ports, composite and pass-thru
- The EPL-2 transports multidrop serial poll/response data over Ethernet/IP networks
- Industrial temperature rating of -40° to +75° C
- Redundant hosts for backup sites are simple with the two port EtherPoll EPL-2
- Compatible with single port EtherPoll
- Works with Modbus, DNP3, IEC 60870-5-101, and most async point-to-point or multidrop 8-bit protocol

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SPECIFICATIONS

General

- Two independent RS232 serial ports, DTE interface
- DE-9 male serial DTE (terminal interface) ports
- Serial speeds from 300 bps to 230,000 bps
- 2 - RJ45 10/100BaseT, composite and pass-thru
- Communications via UDP protocol
- Set up via telnet command line, the serial port, or web browser
- CE Mark Approved

Indicators

Power, Status, Port Activity, LAN Connection, LAN Activity

Controls

DIP switch selection for serial port setup

Physical/Electrical

- 6 volt DC via external 100-240 VAC power supply, UL and CE
- 500 mA at 6 VDC
- 12, 24, 48, 125 VDC 240 VAC Optional – see photo
- Dimensions: 4 ¼" x 5 ½" x 1 ¾"
- One pound
- Temperature: -40 to +75 C, non-condensing relative humidity

Typical Applications

- Connect a SCADA host computer serial port to remote serial RTUs over IP based networks
- Broadcast data from a single host port to multiple remote locations, such as signs displaying identical data
- Migrate serial polled terminals to IP/ethernet based networks
- Operate SCADA systems over private or public networks



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APPLICATION

