DL4500-EDH+: Ethernet TCP/IP to DH+

Equustek's gateway interfaces your Ethernet TCP/IP Network to AB's Data Highway Plus DH+, extending the life of Allen-Bradley PLC's without Ethernet Interfaces. The DataLink solution allows applications such as RSLogix, RSLinx, and RSView to access devices on a DH+ network from an Ethernet/IP LAN, enabling users to run MMI applications or program and monitor PLCs on a DH+ network from an Ethernet LAN station.   Other MMI's tested include Wonderware, Kepware, and Intellution.

The DL4500-EDH+ combines the Lantronix Ethernet Microprocessor with Equustek's DH+ token-ring technology.

For details, pricing, or to find out if this solution is suitable for your application, please contact us.

Highlights:

Compact and Lightweight
The smallest and lightest freestanding/din rail mounted serial interface for custom networks available.

Configure Port - RS232 DB9 interface to configure/upgrade DL4500 firmware

Specifications

Interfaces
A-B Channel: Synchronous; SDLC Transformer-coupled – DH+ Interface
Ethernet Channel: 10 Base-T – TCP/IP

Physical Dimensions
Size: 1.05" H x 4.2" D x 3.45" W
    (26.2mm x 105.0mm x 86.3mm)
Weight: 0.66lbs (0.3kg)
Power: 9-27 VDC; Less than 2 Watts

Installation
Metal enclosure; Freestanding or DIN rail mounting clips

Environment
Operating: +32 F to 122 F (0 C to +50 C)
Storage: -40 F to +185 F (-40 C to +85 C)
Humidity: 5% to 95% non-condensing

Protocols
A-B Channel: Allen-Bradley Data Highway Plus or Remote I/O
Ethernet Channel: TCP/IP – 10 Base T

Configuration
Telnet to IP address for configuring communications parameters.

DL4500 LED Indicators

Ethernet - Bi-Color for DF1 tunneled over TCP/IP
A-B Network - Bi-Color for A-B Channel operation
Status - Bi-Color for DL4500 Status
Power - Green for power-on

Tx/Rx - Green for DF1 Channel operation
Diagnostic - Red for Diagnostics
Link - Green for Network Link Status

Pushbuttons
Reset and Configure mode pushbuttons

Communications
A-B Channel: Synchronous, DH+ at 57.6, 115.2, and 230.4 Kbaud
Ethernet Channel: 10 Base–T; TCP/IP

Hardware
3-pin Phoenix type for A-B DH+/RIO
DB9F for Hardware Configuration port
2-pin Phoenix type power connectors
RJ45 type- 10 Base-T Ethernet Connector