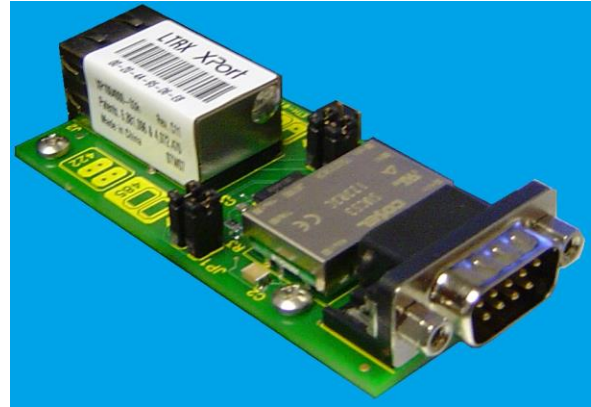


### FEATURES

- Network any serial device
- Embedded Web Server
- Selectable between RS-422 or RS-485
- Serial to 10/100Mbit Ethernet with Auto-sensing
- Configurable through web browser
- Optional 256-bit AES Rijndael encryption
- RJ-45 Ethernet connector with DB-9 Serial connector
- Password protection
- Link LED and Activity LED
- Power range varies between 9-18VDC
- Compact, low profile
- Email alerts



### FUNCTIONAL DESCRIPTION

The ETH-01 is embedded with the Lantronix Xport to handle the network connectivity. It is a serial RS-422/RS-485 to Ethernet converter. This unit is an easy solution for web-enabling any serial device. The end user can monitor, configure, and even troubleshoot with ease from a local network or from the web. It has compatible network interface speeds of 10Base-T or 100Base-TX with auto sensing. Password protection and data encryption are selectable features available to add extra security.

This product accepts a wide range of input power to make the integration process simpler. The unit also has two bi-color LEDs that provide information about the LINK speed and the serial ACTIVITY. The LED on the left side of the RJ-45 connector indicates the speed. When it is off there is no link, when it is amber it is at 10Mbps, and when it is green it is at 100Mbps. The LED on the right hand side of the RJ-45 connector indicates serial activity. When it is off there is no activity, when it is amber it is working in half-duplex mode, and when green it is in full-duplex mode.

### SOFTWARE

The ETH-01 includes a Microsoft Windows-based Com Port Redirector.

### SPECIFICATIONS

#### Serial Interface

Interface: CMOS (asynchronous, 5V tolerant)  
Connector: DB9 Male  
Data Rate: 300 bps to 921 kbps  
Character: 7 or 8 data bits  
Parity: Odd, even, none  
Stop Bits: 1 or 2  
Protocols: RS-422 or RS-485

#### Network Interface

Interface: Ethernet 10Base-T or 100Base-TX (Auto-Sensing)  
Connector: RJ45  
Protocols: TCP/IP, UDP/IP, ARP, ICMP, SNMP, TFTP, Telnet, DHCP, BOOTP, HTTP, and AutoIP

#### Environmental

Operating Temp.: -40° to 85°C  
Storage Temp.: -40° to 85°C  
Humidity: 5% to 95% non-condensing  
Board Dimension: 3.0 x 1.5 inches

#### Power

9VDC: @ 106 mA typical  
18VDC: @ 62 mA typical