ERS-232

AMBETRONICS

Ambetronics family of RS-232 to Ethernet Converters are the best choice for transmitting serial data across an IP network. Offering flexibility, high performance and advance RS-232 to Ethernet converter technology, AEPL's **ERS-232** are ideal for applications and devices that require an efficient way of communicating with serial RS-232 devices over an Ethernet network.

ERS-232 is an economical Modbus-to-Ethernet converter that can quickly and easily be added to any device with a RS-232 serial port, making that device Web-enabled.

ERS-232 is a single port serial server, that converts a serial port to an Ethernet Port, thus removing cable length limitations, and allowing for "serial tunneling" of a device through an Ethernet or TCP/IP
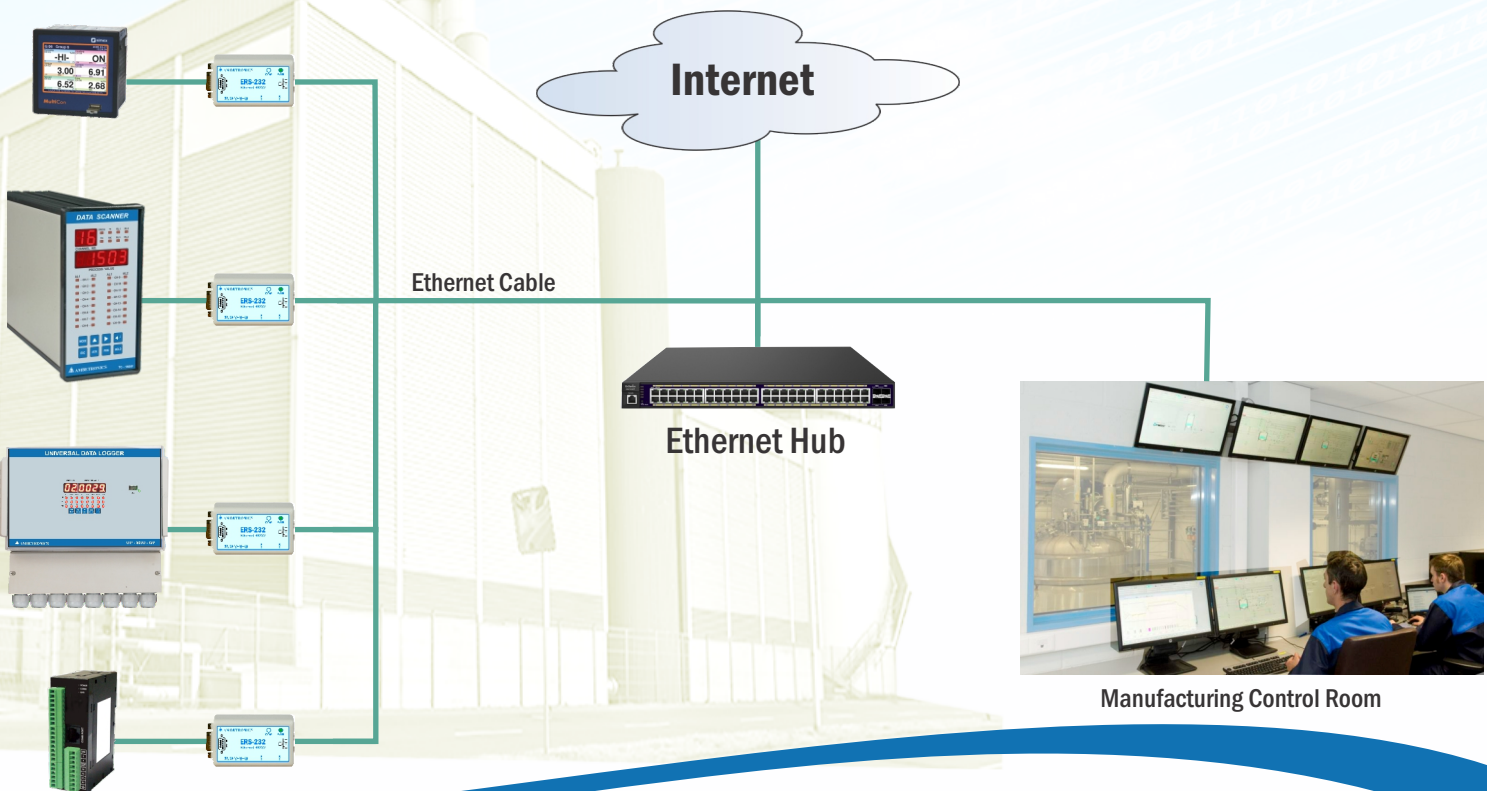
AEPL's **ERS-232 converter** (commonly referred to as Terminal Servers or Device Servers) connect RS-232 based equipment across an Ethernet network enabling you to do following things as:

- Cable extension using RS-232 to Ethernet

- Have virtual COM ports connect PC/servers to remote RS-232 devices over Ethernet

- Communicate to multiple RS-232 devices at the same time across a network

- Use ERS-232 Converter to connect Serial PLCs to Ethernet

- Connect serial equipment over Ethernet with ERS-232 Converter.

- Modbus RTU to Modbus over TCP/IP or Modbus TCP/IP
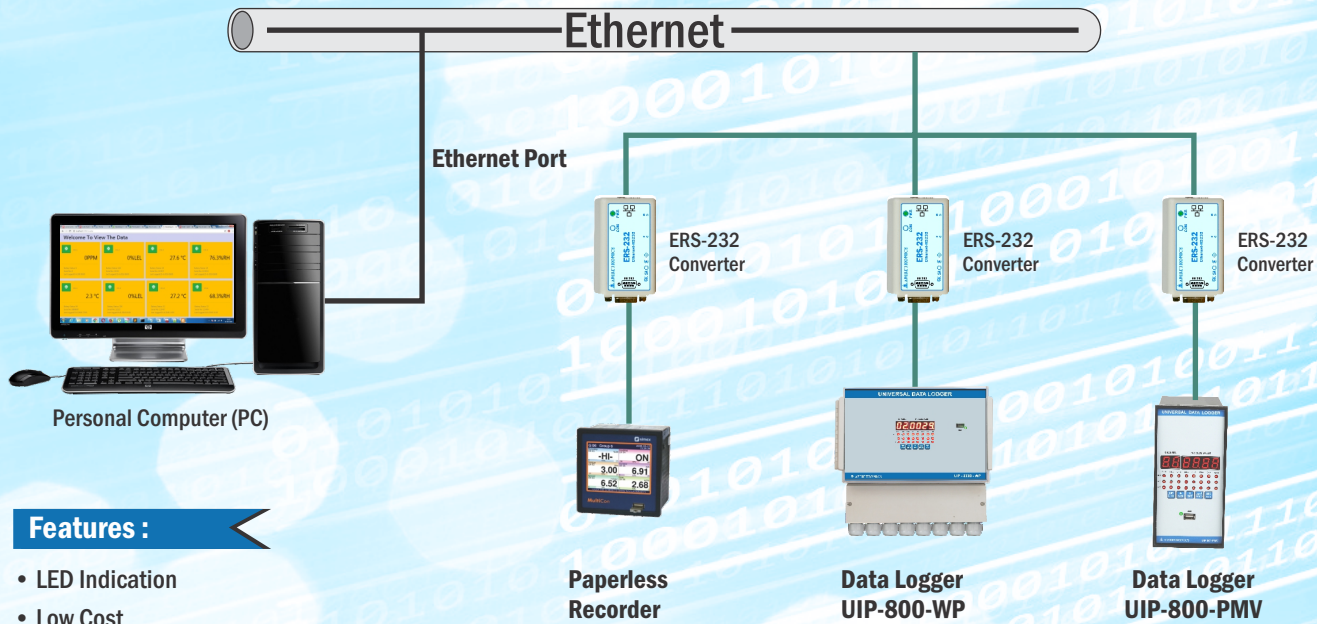
Converting Data from RS-232 to Ethernet

RS-232 data sent and received on serial ports on the ERS-232 converter are encapsulated in Ethernet packets in a manner that best fits the type of data being transported.

Internet

Ethernet Cable

Ethernet Hub

Manufacturing Control Room

DIRECT TCP / IP
OR REDIRECTOR CONFIGURATION

Ethernet

Ethernet Port

Personal Computer (PC)

ERS-232 Converter

ERS-232 Converter

ERS-232 Converter

Paperless Recorder

Data Logger UIP-800-WP

Data Logger UIP-800-PMV

Features :

• LED Indication
• Low Cost
• 10/100Mbps Ethernet
• TCP/UDP/Telnet Modes
• DHCP/Static IP Modes
• Web Based Configuration
• Low Power

Specifications:

Protocols   : Support TCP, UDP, DHCP ,HTTP Server-Client ,
                        TELNET, Modbus TCP

Speed   : 10/100Mbps

Configuration   : In-built HTTP Web Server

Working mode : Support Server and Client

Transmission   : 100meter

Connector   : RJ45

Power supply :

1 DC jack for power connections

Power input   : 5VDC, 1Amp

Consumption   : ~1.5W

Appearance :

Compact Size : 78mm (L) x 41 mm (W) x 24 mm (H)

Material   : ABS Plastic.
Weight   : ~ 100g

Applications :

• Fire and Security Panels
• Remote equipment management
• Access Control
• Industrial Control
• Home Automation

Serial interface :

Parity bit   : None, Even, Odd

Data bit   : 8 bit

Baud rate   : 2400bps to 460800bps

Flow control   : RTS/CTS or XON/XOFF or No flow control

Interface protection : 2KV static protection

Interface type   : RS-232 (DB9 connector)

Duplex Mode   : Half

Environment :

Working temperature : -20°C to 55°C

Storage temperature : -20°C to 60°C

Relative humidity   : 5% to 95% RH, Non-condensing