

ERS-485

RS-485 to Ethernet Convertor



AMBETRONICS
AN ISO 9001:2015 CERTIFIED COMPANY

Ambetronics family of RS-485 to Ethernet Converters are the best choice for transmitting serial data across an IP network. Offering flexibility, high performance and advance RS-485 to Ethernet converter technology, AEPL's **ERS-485** are ideal for applications and devices that require an efficient way of communicating with serial RS-485 devices over an Ethernet network.

ERS-485 is an economical Modbus-to-Ethernet converter that can quickly and easily be added to any device with a RS-485 serial port, making that device Web-enabled.

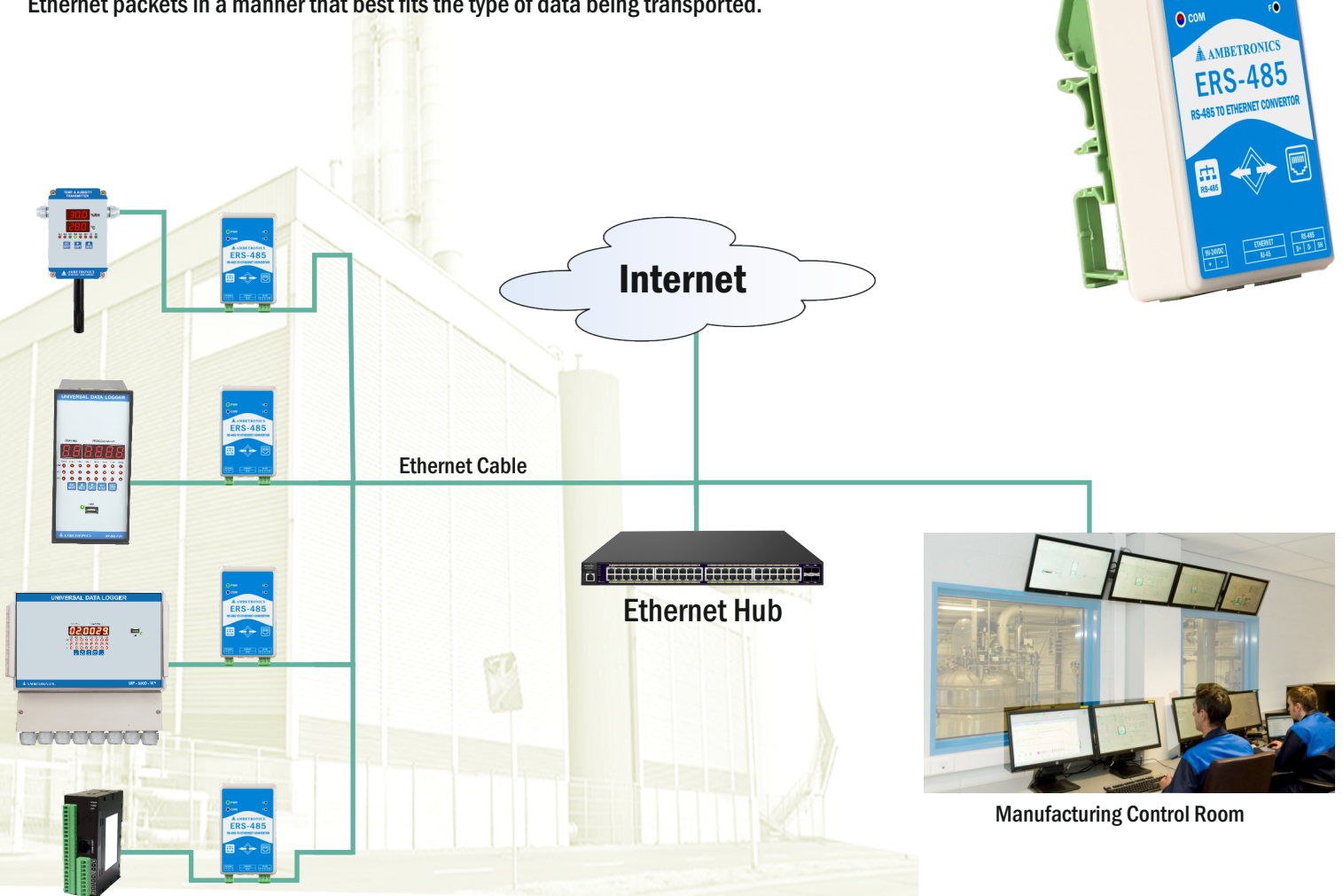
ERS-485 is a single port serial server, that converts a serial port to an Ethernet Port, thus removing cable length limitations, and allowing for "serial tunneling" of a device through an Ethernet or TCP/IP

AEPL's **ERS-485 converter** (commonly referred to as Terminal Servers or Device Servers) connect RS-485 based equipment across an Ethernet network enabling you to do following things as:

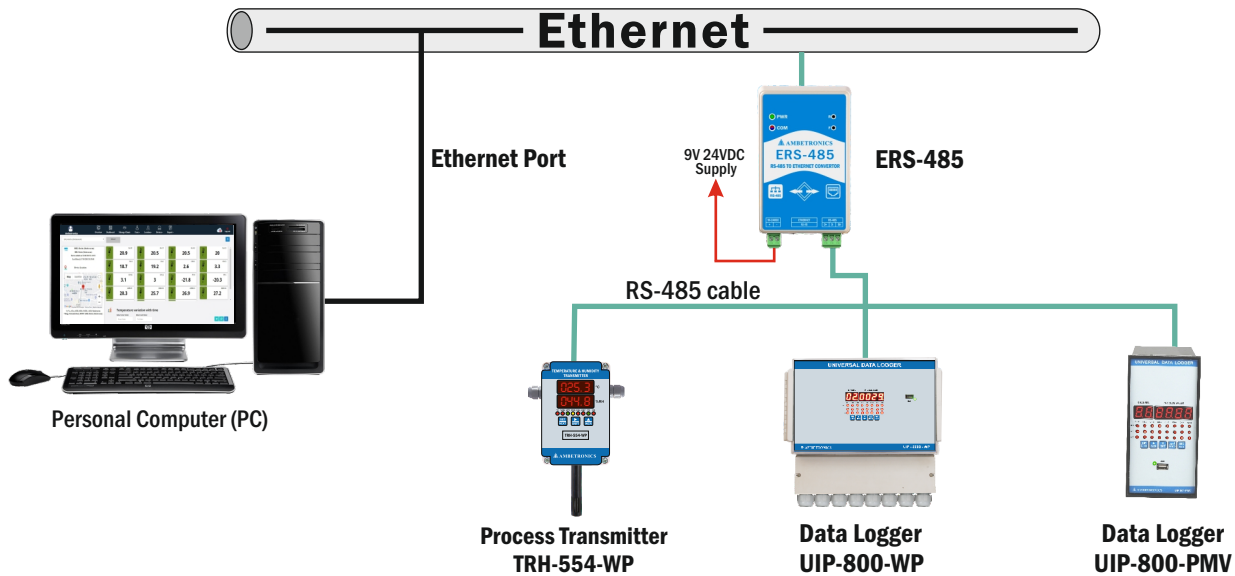
- Cable replacement using RS-485 to Ethernet
- Have virtual COM ports connect PC/servers to remote RS-485 devices over Ethernet
- Communicate to multiple RS-485 devices at the same time across a network
- Use ERS-485 Converter to connect Serial PLCs to Ethernet
- Connect serial equipment over Ethernet with ERS-485 Converter.
- Modbus RTU to Modbus over TCP/IP or Modbus TCP/IP

Converting Data from RS-485 to Ethernet

RS-485 data sent and received on serial ports on the ERS-485 converter are encapsulated in Ethernet packets in a manner that best fits the type of data being transported.



DIRECT TCP / IP OR REDIRECTOR CONFIGURATION



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
Working	: Half Duplex
Configuration	: In-built HTTP Web Server
Working mode	: Support Server and Client
Transmission	: 100meter
Connector	: RJ45
L.E.D. Indication	: 2 Nos.
Restart & Factory Reset	: Available

Power supply :

Power input : 9V TO 24VDC

Appearance :

Compact Size	: 101 mm (H) x 58.5mm (W) x 23mm (D)
Material	: ABS Plastic.
Weight	: ~ 200g
Mounting	: Din Rail / Wall mounting

Applications :

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

Serial interface :

Parity bit	: None, Even, Odd
Data bit	: 8bit
Baud rate	: 2400 to 460800 bps
Flow control	: RTS/CTS or XON/XOFF or No flow control
Interface protection	: 2KV static protection
Interface type	: RS-485 (D+, D-, SH)

Environment :

Working temperature	: 0 to 55°C
Storage temperature	: 0 to 60°C
Relative humidity	: 5% to 95% RH, Non-condensing

Manufactured by :



AMBETRONICS ENGINEERS PVT. LTD.

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