



## PROVIDES CONNECTIVITY BETWEEN ETHERNET AND RS-485 BASED NETWORKS ETH-1000

**ICC**  
INDUSTRIAL CONTROL COMMUNICATIONS, INC.



### DESCRIPTION

The ICC ETH-1000 Series ethernet gateway allows information to be transferred seamlessly between Ethernet and RS-485 networks with minimal configuration requirements. The ETH-1000 provides a 10/100BaseT Ethernet port and an RS-485 port.

### ETHERNET PROTOCOLS SUPPORT:

- Allen Bradley CSP (also known as "PCCC" and "AB Ethernet") (client and server)
- BACnet/IP (client and server)
- EtherNet/IP (client and server)
- Mitsubishi MELSEC (also known as "MC") (client)
- Modbus/TCP (client and server)
- Profinet IO



ETH-1000

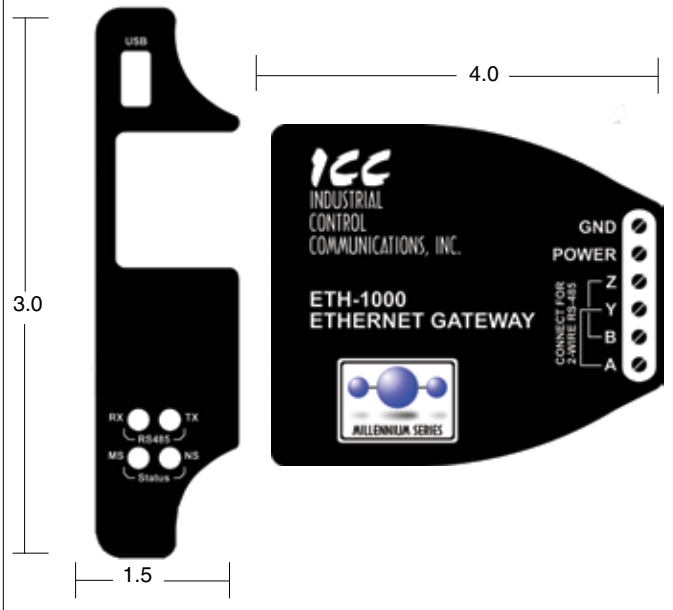
### RS-485 PROTOCOLS SUPPORT:

- Modbus RTU (master, slave, and sniffer)
- BACnet MS/TP (client and server)
- Toshiba ASD (master)
- Johnson Controls, Inc. Metasys N2 (slave)
- Sullair Supervisor (master)

### SPECIFICATIONS

<b>Supply Voltage</b>	7 - 24 VDC @ 70 mA
<b>Communication</b>	Ethernet Communications IEEE 802.3 10/100 Mbps data rate 10BASE-T, 100BASE-TX physical layer 100 m (max) CAT5 cable length
<b>MS/TP Communications</b>	ANSI/ASHRAE 135 (ISO 16484-5) 9600, 19200, 38400, 76800, 115.2k baud rate EIA-485 physical layer 1200 m (max) cable length
<b>LED Indication</b>	Module Status Off = No power Green = Power normal function Flashing Green = Gateway is connected via USB Flashing Red = Fatal error
<b>Network Status</b>	Off = No IP address Green = Has IP and connection Flashing Green = Has IP no Connection Red = Critical Fail / Duplicate IP Flashing Red = Connection time out Alternating Red/Green = Start up Green (TX) = Transmitting data Red (RX) = Receiving data
<b>RS485</b>	
<b>Operating Temperature</b>	14 to 122°F (-10 to 50°C)
<b>Operating Humidity</b>	20 to 90% non-condensing
<b>Dimensions</b>	4" x 3" x 1.5" (10.16 x 7.62 x 3.81 cm)
<b>Weight</b>	1 lb (0.45 Kg)
<b>Approvals</b>	UL File #E349821, RoHs
<b>Warranty</b>	1 year

### WIRING



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NETWORK

### ORDERING INFORMATION

MODEL	DESCRIPTION
ETH-1000	Provides protocol translation between Ethernet and RS-485 based networks

RELATED PRODUCTS	
XLTR-1000	Provides protocol translation between RS485 based networks