

## COMMUNICATION DEVICES

The monitoring of electrical networks often use a high-speed Ethernet backbone to collect data from multiple devices and share information among users. The Ethernet Gateway **EMI-10L** can help to reduce the cost and complexity of connecting, configuring and managing a network of meters, sensors and other remote tools.

It provides reliable connectivity between Modbus serial devices and TCP/IP networks, without changing their existing infrastructure and is perfect for converting from a system based on a serial bus system based on Ethernet.

The **EMI-10L** allows users to configure the Ethernet parameters, the parameters of the serial communication and perform a possible solution of the problems through a web interface with a detailed diagnosis of the communication.

The **EMI-10L** supports 10BaseT and 100 BaseT.

This Ethernet gateway enables the integration of up to 32 serial Modbus devices.

### BENEFITS

Increase your efficiency allowing you to make quick decisions based on data made available to you:

- Access simple, fast, shared information from all electrical network products via Modbus TCP / IP
- Network architecture and flexible modular
- Transfer of data to Modbus RS485 to Ethernet Modbus TCP / IP.

### COMMUNICATION

- Use your existing LAN infrastructure to reduce the cost of lines of communication and network management
- Fast 10 or 100 megabits per second, Ethernet communications eliminates bottlenecks transferring monitoring data to the same network speed.

### DESCRIPTION

- Ethernet 10 / 100Base-T
- RS485 serial interface
- Integration of up to 32 serial devices Modbus
- Support for Modbus TCP/IP serial master
- Web interface for configuration, diagnostics and maintenance
- Customizable security through different levels of access (read-only access or full)
- Log-in safe with a password
- Languages available in Italian, English and German

## TECHNICAL CHARACTERISTICS EMI-10L / EMI-10M

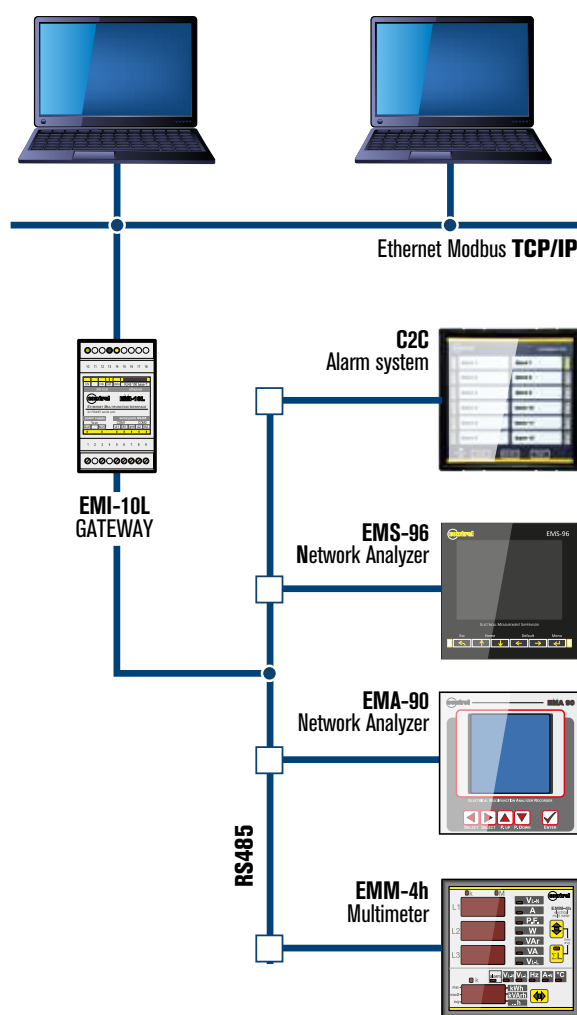
AUXILIARY SUPPLY	
Rated voltage Us	100 ... 240 VAC - 24 VAC/DC
Power consumption	4 VA
RS485 SERIAL INTERFACE	
Baud rate	Programmable 1200 ... 115200 bps
Protocol	Modbus RTU
Number of connected instruments	32 max
ETHERNET INTERFACE	
Network interface	RJ45 Ethernet 10BASE-T o 100BASE-T (auto-sensing)
Protocols supported	HTTP, Modbus TCP/IP
INSULATION	
Insulation voltage	3kVAC for 1 minute
AMBIENT CONDITION	
Operating temperature	-10...+60°C
Storage temperature	-25...+70°C
HOUSING	
Version	3 modules
Degree of protection	IP52
Weight	100 g
CERTIFICATIONS AND COMPLIANCE	
Comply with standards	EN 60950-1:2001, EN 60950-1 A11:2004, IEC 60950-1:2005, EN 60950-1 A11:2006 A1:2010 A12:2011, EN 61000-2, EN 61000-4

## OPTIONS

ORDER CODE	DESCRIPTION
EMI-10L	Ethernet Gateway
EMI-10M	Ethernet Gateway + log memory



## SYSTEM ARCHITECTURE



## MECHANICAL DIMENSIONS EMI-10L / EMI-10M

