



Modbus TCP/IP to EtherNet/IP Gateway

5201-MNET-DFNT

Active Mature: Product is fully supported, but a newer product or family exists.

For new applications use the [PLX31-EIP-MBTCP](#)

The ProLinx Modbus TCP/IP Multi-Client to EtherNet/IP Gateway creates a powerful connection between Modbus TCP/IP and EtherNet/IP networks. The module provides one Ethernet port.

The ProLinx Modbus TCP/IP (MNETC) Multi Client driver can be used to interface many different protocols into the Schneider Electric Quantum family of processors as well other software solutions supporting the protocol.

- 5 MNET Modbus TCP/IP servers (port 2000)
- 5 MBAP Modbus TCP/IP servers (port 502)
- One Modbus TCP/IP Client (MNET or MBAP) connection supports up to 100 commands

The addition of the WEB hardware option provides the following additional features:

- 2 HTTP servers
- 1 mail client
- 1 FTP server

[Architectures](#)[Features and Benefits](#)[Applications](#)[Specifications](#)[Hardware](#)[Downloads](#)[Protocols](#)

Hardware

Specification

Description

Power Supply

24 VDC nominal
18 to 32 VDC allowed
Positive, Negative, GND Terminals
2.5 mm screwdriver blade

Current Load

500 mA max @ 32 VDC max

Operating Temperature	-4° F to 122° F (-20° C to 50° C)
Storage Temperature	-40° F to 185° F (-40° C to 85° C)
Relative Humidity	5% to 95% (with no condensation)
Dimensions	Standard: 5.20 in H x 2.07 in W x 4.52 in D (13.2 cm x 5.25 cm x 11.48 cm) Extended: 5.20 in H x 2.73 in W x 4.52 in D (13.2 cm x 6.934 cm x 11.48 cm)
LED Indicators	Power and Module Status Application Status Serial Port Activity Serial Port Error Status
Configuration Serial Port	DB-9M RS-232 only No hardware handshaking
Ethernet Port (Ethernet modules only)	10Base-T half duplex RJ45 Connector Link and Activity LED indicators Electrical Isolation 1500 V RMS at 50 Hz to 60 Hz for 60 s, applied as specified in section 5.3.2 of IEC 60950: 1991 Ethernet Broadcast Storm Resiliency = less than or equal to 5000 [ARP] frames-per-second and less than or equal to 5 minutes duration
Application Ports	Modbus Plus Connector Two DB9 Female Standard Modbus Plus connectors
Serial Port Isolation	2500 V RMS port signal isolation per UL 1577 3000 VDC min. port to ground and port to logic power isolation
Shipped with Each Unit	Mini-DIN to DB-9M serial cables 4 ft RS-232 configuration cable 2.5mm screwdriver CD (docs and Configuration utility) RS-422/485 DB-9 to Screw Terminal Adaptor (1 or 4, depending on ports)