Modbus TCP/IP to DNP 3.0 over Ethernet Gateway

5201-MNET-DNPSNET

The ProLinx Modbus TCP/IP to DNP over Ethernet Gateway creates a powerful connection between devices on Modbus TCP/IP and DNP over Ethernet networks. This stand-alone DIN-rail mounted protocol gateway provides one Ethernet port.
The Modbus TCP/IP protocol driver can interface many different protocols into Schneider Electric Quantum processors as well other solutions supporting the protocol. The MNET driver supports Client and Server connections, and when coupled with the Web option provides a web/ftp interface as well.
The ProLinx module supports the DNP 3.0 protocol as a server using the TCP and UDP protocols using service port 20000. This port is fully configurable.

| Features and Benefits | Applications | Specifications | Hardware | Downloads | Protocols |
| Videos | Certifications |

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)