



EtherNet/IP to PROFIBUS DP Slave Gateway

5205-DFNT-PDPS

The ProLinx EtherNet/IP to PROFIBUS DP Slave Gateway creates a powerful connection between devices on an EtherNet/IP network and a PROFIBUS master device. This stand-alone DIN-rail mounted protocol gateway provides one Ethernet port and one PROFIBUS DP Slave configurable DB9F port.

The EtherNet/IP protocol driver supports the Explicit Messaging implementation of the protocol. User-configurable as both a Client and a Server, the EtherNet/IP port is a very powerful data transfer tool.

The PROFIBUS DP Slave protocol driver supports the PROFIBUS V0 Slave implementation, providing powerful data transfer capability between the ProLinx module and Siemens PLCs or other hosts. User configurable data mapping and DP port operation make the interface an easy to use and powerful data transfer tool.



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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)