EtherNet/IP to PROFIBUS DPV1 Master Gateway

5204-DFNT-PDPMV1

The ProLinx EtherNet/IP to PROFIBUS DPV1 Master Gateway creates a powerful connection between devices on an EtherNet/IP network and a PROFIBUS slave device. This stand-alone DIN-rail mounted protocol gateway provides one Ethernet port and PROFIBUS DP Master 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 Master protocol driver supports complete Master specifications according to IEC 61158 on either a Mono-Master or Multi-Master network. The module supports the DPV1 specification.

Architectures	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)