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Find the *ProSoft Technology PLX32-EIP-MBTCP* at our website: *Click HERE*

DATASHEET

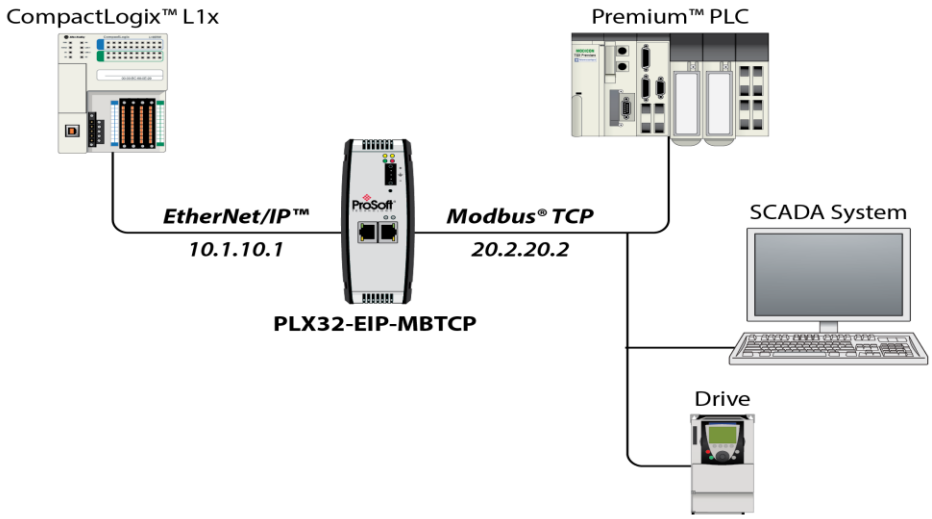
EtherNet/IP™ to Modbus® TCP/IP Communication Gateway

PLX32-EIP-MBTCP



ProSoft Technology's EtherNet/IP™ to Modbus® TCP/IP communication gateway allows high-speed bi-directional data transfers between Rockwell Automation® PACs and Schneider Electric® PACs. Our Modbus® TCP/IP driver features multiple client and server functionality, for faster data transmission. Two separate Ethernet ports allow each protocol to reside on separate subnets, allowing you to pass data between the two subnets without changing each device's IP address.

In addition, the gateway includes an embedded EDS Add-On Profile, allowing for simplified integration and reduced commissioning time.



Features

- Two separate Ethernet ports allow each protocol to reside on separate subnets. This allows you to pass data between the two subnets without changing each device's IP address to be on the same subnet.
- Data prioritization: Multiple I/O connections allow you to set RPIs for status and/or control data.
- Includes an embedded EDS Add-On Profile, allowing for simplified integration and reduced commissioning time.
- Gateway includes a SD card slot (SD card optional) for storing configuration files. This can be used for disaster recovery.
- Secure module configuration via module switch (v1.04 and greater).
- Up to 4000 16-bit registers can be used to exchange large amounts of data.

Specifications

EtherNet/IP™ Specifications

Specification	Description
Number of Class 3 Server Connections	5
Supported PLC Types	PLC2, PLC5, SLC, CLX, CMPLX, MICROLX
Supported Message Types	PCCC and CIP
Class 3 Client Connections	Connected: 2 Unconnected: 1
Number of Class 1 I/O Connections	2
I/O connection sizes	248/248
Max RPI time	5 ms per connection
CIP Services Supported	0x4C - CIP Data Table Read 0x4D - CIP Data Table Write
Command List	Support for 100 commands per Client, each configurable for command type, IP address, register to/from addressing and word/bit count.
Command Sets	PLC-2/PLC-3/PLC5 Basic Command Set PLC5 Binary Command Set PLC5 ASCII Command Set SLC500 Command Set

Modbus® TCP/IP Specifications

Specification	Description	
Supported Modbus Function Codes	1: Read Coil Status 2: Read Input Status 3: Read Holding Registers 4: Read Input Registers 5: Force (Write) Single Coil 6: Preset (Write) Single Holding Register	15: Force (Write) Multiple Coils 16: Preset (Write) Multiple Holding Registers 22: Mask Write Holding Register (Slave Only) 23: Read/Write Holding Registers (Slave Only)
Supported Clients	10	
Supported Servers	MBAP: 5 Encapsulated: 5	
Command List	Up to 160 fully configurable Client commands	
Status Data	Error codes reported individually for each command	
Command List Polling	Each command can be individually enabled or disabled; write-only-on-data-change is available	

Environmental

Specification	Description
Power Supply	24 VDC nominal 10 to 36 VDC allowed Positive, Negative, GND Terminals
Current Load	24 VDC nominal @ 300 mA 10 to 36 VDC @ 610 mA maximum
Operating Temperature	-25°C to 70°C (-13°F to 158°F)
Storage Temperature	-40°C to 80°C (-40°F to 176°F)
Relative Humidity	5% to 95% RH with no condensation
Dimensions (H x W x D)	5.38 x 1.99 x 4.38 in 13.67 x 5.05 x 11.13 cm

Approvals and Certifications

ATEX Zone 2
CB Safety
CE Mark
UL/cUL Class 1 Div 2

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To order this product, please use the following:

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PLX32-EIP-MBTCP

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