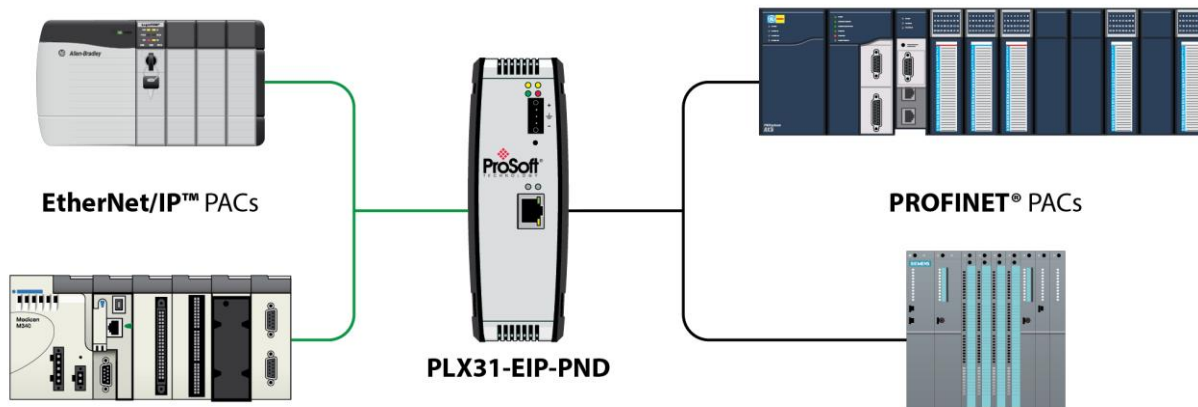


EtherNet/IP™ to PROFINET® IO Device Gateway PLX31-EIP-PND

The EtherNet/IP™ to PROFINET® IO Device (slave) gateway offers bi-directional data transfers between EtherNet/IP™ controllers and a PROFINET® IO controller. The EtherNet/IP™ Driver supports I/O connections for guaranteed data delivery or Message instructions to send data to/from the PACs. The gateway supports 1440 bytes of input data and 1440 bytes of output data for larger applications.

In addition, the gateway's multiple I/O connections, allow you to set different RPIs for control data and module diagnostics, enabling you to optimize your Ethernet bandwidth.



Features

- ◆ Embedded EDS Add-On Profile allows for simplified integration and reduced configuration time for Rockwell Automation PACs.
- ◆ No ladder programming is required when using I/O connections.
- ◆ Multiple I/O connections allow you to set different RPIs for status and control data, enabling Ethernet bandwidth optimization.
- ◆ Communication via an I/O connection provides guaranteed data delivery and enables the PAC to monitor for communication faults.
- ◆ SD card slot (SD card optional) is used for storing configuration files in the event of a disaster.
- ◆ ProSoft Discovery Service allows your PC to find the gateway and change its default IP address without being on the same subnet.
- ◆ Video setup tutorial provided at psft.com/Ap5

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
Number of Class 3 Client Connections	Connected - 2 Unconnected - 1
Number of Class 1 I/O Connections	8
Max I/O connection size In/Out	496/496 bytes
Max RPI time	10 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

PROFINET Specifications

Specification	Description
Driver Type	Class A Device
PROFINET I/O Data	1440 bytes IN, 1440 bytes OUT
Exchange Types	Cyclic Real-time (RT) and Acyclic Data



Where Automation Connects™

Global Distribution

ProSoft Technology® products are distributed and supported worldwide through a network of over 500 distributors in over 50 countries. Our knowledgeable distributors are familiar with your application needs. For a complete list of distributors, go to our web site at:

www.prosoft-technology.com

Global Support

We are there for you

All ProSoft Technology products are backed with free technical support. Contact our worldwide Technical Support team directly by phone or email.

Global Offices

We are where you are

ProSoft Technology has regional offices worldwide available to help you with all your industrial application needs. If you need help choosing a ProSoft Technology solution for your particular application check out our contact information under distributor sales on the web site at:

www.prosoft-technology.com

Whether your application is large or small, our technical professionals are there to help you choose the right communication solution.

Hardware Specifications

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)
Shock	IEC 60068-2-27; 15G @ 11ms, 3-Axis (Operational) IEC 60068-2-27; 30G @ 18ms, 3-Axis (Non-Operational)
Vibration	IEC 60068-2-6; 5G @ 10 to 150 Hz
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
LED Indicators	Configuration (CFG), Error (ERR), Power (PWR), Hardware Fault (FLT), Network Status (NS), EtherNet/IP™ Class I or Class III Connection Status (EtherNet/IP Only) Module Status (MS), Module Configuration Status (EtherNet/IP Only) Ethernet Communication Port Link/Activity, and 100 mbit
Ethernet Port	10/100Mbit half-duplex RJ45 Connector Electrical Isolation 1500 Vrms at 50 to 60 Hz for 60 seconds, applied as specified in section 5.3.2 of IEC 60950: 1991 Ethernet Broadcast Storm Resiliency is less than or equal to 5000 [ARP] frames-per-second and less than or equal to 5 minutes duration
Shipped With Each Unit	2.5 mm screwdriver ProSoft Solutions DVD J180 Power Connector 5' straight-through Ethernet cable

Agency Approvals and Certifications

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



Additional Products

ProSoft Technology® offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms. For a complete list of products, visit our web site at: www.prosoft-technology.com

Ordering Information

To order this product, please use the following:

EtherNet/IP™ to PROFINET® IO device Gateway

PLX31-EIP-PND

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft Technology distributors near you, go to: www.prosoft-technology.com and select *Where to Buy* from the menu.