EtherNet/IP™ to PROFINET IO Device (Slave) Gateway (PLX31-EIP-PND) FAQ

Why did we make the EtherNet/IP™ to PROFINET IO Device (slave) protocol conversion gateway?

Users need to transfer data between EtherNet/IP™ based controllers and PROFINET based controllers. This gateway can be used for PLC to PLC interlocking, data concentrators, SCADA/HMI applications and more.

How do you ensure fast, consistent delivery of data between devices?

We use an EtherNet/IP™ IO connection. This allows users to set a Requested Packet Interval (RPI) down to 10 milliseconds, for fast, reliable data transfers.

How much data can I transfer?

The gateway supports 1440 bytes of input data 1440 bytes of output data for larger applications.

Does the gateway come with any tools to simplify integration?

Rockwell Automation® users can use an embedded EDS Add-On Profile (AOP). With an EDS AOP, there are fewer configuration parameters to enter than when using a generic profile, decreasing commissioning time and potential errors.

Are there any additional tools provided to reduce setup time?

Yes. A setup tutorial video for the PLX31-EIP-PND is supplied on your product DVD or can be viewed at http://psft.com/Aq2.

What does it take to set the gateway's IP address for the first time?

The ProSoft Discovery Service utility included with the gateway allows your PC to find your gateway and change its default address without it being on the same subnet as your PC.

Are there any tools to help me optimize Ethernet bandwidth usage?

Our EtherNet/IP driver supports multiple I/O connections giving you the ability to prioritize data transfers by setting different update rates for control and diagnostic data. This allows you to send low-priority data at slower rates.

Does the gateway support PROFINET IRT?

No. The gateway supports PROFINET RT Device.

Does the gateway have a disaster recovery feature?

Yes. The gateway has an SD Card slot (SD Card optional) for storing configuration files that can be used for disaster recovery.

When things go wrong, are there any features to get my system up and running quickly?

Our EtherNet/IP to PROFINET gateway allows diagnostic data to be transferred to the PAC/PLC, thereby allowing you to use your PAC configuration software or HMI to start troubleshooting communication issues.

Is the gateway ODVA and PROFINET v2/ PROFINET Class A compliant?

Yes. The gateway has ODVA EtherNet/IP and PROFINET v2/Class A certifications which ensures compatibility with each respective network.

Can the gateway act as a PROFINET controller?

No. This gateway is not a controller. However, we are in the process of developing a PROFINET controller gateway.

Need help with your specific application?

United States: 661-716-5100

Asia Pacific

Malaysia Office
+603.7724.2080

China Office
+86.21.5187.7337

Europe, Middle East, Africa
France Office
+33 (0)5.34.36.87.20

Middle East & Africa
+971.(0)4.214.6911

Latin America

Brazil
+55.11.5083.3776

Mexico & Central America
+52.222.3.99.6565