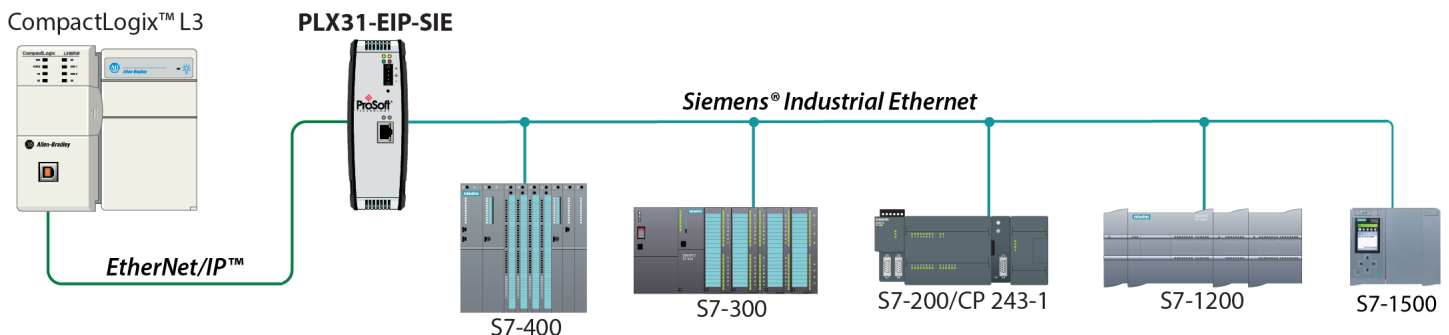


# DATASHEET

## EtherNet/IP™ to Siemens® Industrial Ethernet Communication Gateway PLX31-EIP-SIE

ProSoft Technology's EtherNet/IP™ to Siemens® Industrial Ethernet communication gateway allows high-speed bi-directional data transfers between EtherNet/IP™-enabled controllers or devices and Siemens® S7-200, S7-300, S7-400, S7-1200, and S7-1500 PACs.

In addition, the gateway includes several features, including data prioritization, that allow for simplified integration, reduced commissioning time and optimized performance.



### Features

- ◆ Data prioritization: Multiple I/O connections allow you to set RPIs for status and/or control data, optimizing Ethernet bandwidth.
- ◆ Includes an embedded EDS Add-On Profile, allowing for simplified integration and reduced commissioning time.
- ◆ Includes a SD card slot (SD card optional) for storing configuration files. This can be used for disaster recovery.
- ◆ ProSoft Discovery Service: This utility allows your PC to see the gateway and change its default IP address without being on the same subnet.
- ◆ Secure module configuration via module switch (v1.04 and greater).
- ◆ Up to 10,000 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 CIP Generic
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

### Siemens® Industrial Ethernet Specifications

Specification	Description
Supported PLC Data Exchange (Read and Write)	Siemens S7-200, Siemens S7-300, Siemens S7-400, Siemens S7-1200, Siemens S7-1500
Supported Register Types	DB, Inputs, Outputs, Flags, Counters, Timers
Supported Clients	20



Where Automation Connects™

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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 full- and 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 J180 Power Connector

## Agency Approvals and Certifications

Please visit our website: [www.prosoft-technology.com](http://www.prosoft-technology.com)



## 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 website at: [www.prosoft-technology.com](http://www.prosoft-technology.com)

## Ordering Information

To order this product, please use the following:

### EtherNet/IP™ to Siemens® Industrial Ethernet Communication Gateway

PLX31-EIP-SIE

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](http://www.prosoft-technology.com) and select *Where to Buy* from the menu.

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