DATASHEET

EtherNet/IP™ to GE Genius™ Gateway

AN-X-GENI

The EtherNet/IP™ to GE Genius™ gateway allows an Allen-Bradley® Programmable Automation Controller (PAC) to control GE Genius I/O devices. This gateway allows a phased migration approach to be used when upgrading or replacing GE Genius based 90™-30s and 90™-70s controllers. The gateway provides automatic creation of the Genius scan-list and generates the associated RSLogix™ 5000 tags reducing engineering effort. Monitor mode allows verification of your conversion logic using live I/O data without impacting the running legacy system. Once the new PAC is commissioned the legacy I/O can be upgraded one module or one rack at a time as scheduled downtime is available. This gateway minimizes the risk of excessive downtime when upgrading legacy control systems.

General Features:

♦ Configures through a web browser (No special configuration software required)

♦ Customizable configuration files provide additional flexibility

♦ Supports offline configuration through a .CSV file

♦ Monitor mode enables testing and verification of PAC logic before controlling physical I/O, reducing the risk of production loss due to programming errors

♦ View diagnostics with a web browser enabling remote monitoring and troubleshooting

GE Genius™ Bus Features:

♦ Supports sending and receiving Global Data on the Genius Network

♦ Supports standard and extended baud rates: 38, 76.8, 153.6, and 153.6 Kbps

♦ Configurable Bus Address

♦ Auto-Configuration feature discovers and maps up to 31 Genius Blocks of I/O [Online]

♦ Multi-colored LED that indicates the status of the Genius Bus network connection

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EtherNet/IP™ Features:

♦ Supports up to 16 I/O connections for real time control

♦ Each connection can have a unique RPI from 5 - 750 mSec allowing the prioritization of I/O data

♦ Auto-Configuration feature maps the discovered GE I/O points into tags in the PAC controller

♦ Diagnostic data can be mapped into PAC memory making this data available to HMIs

Hardware Specifications

Specification	Description
Ports	1 RJ45 10/100 Mbps Ethernet port
	1 Phoenix 5-pin GE Genius Bus connector
	1 Phoenix 3-pin power connector
Typical Power Consumption	250 mA @ 12 Vdc or 125 mA @ 24 Vdc
Maximum Power Dissapation	3W
Operating Temp	32°F to 122°F (0 °C to 50 °C)
Storage Temperature	-40°F to 185°F (-40 °C to 85 °C)
Dimensions	107 mm X 126 mm x 34 mm (4.18 in x 4.97 in x 1.33 in) not including connectors
Humidity	5% to 95% RH, with no condensation

Desktop use or DIN Rail Mountable

Ordering Information

EtherNet/IP™ to GE Genius™ Gateway

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How to Contact Us: Sales and Support

Sales and Technical Support for this product are provided by ProSoft Technology. Contact our worldwide Sales or Technical Support teams directly by phone or email:

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