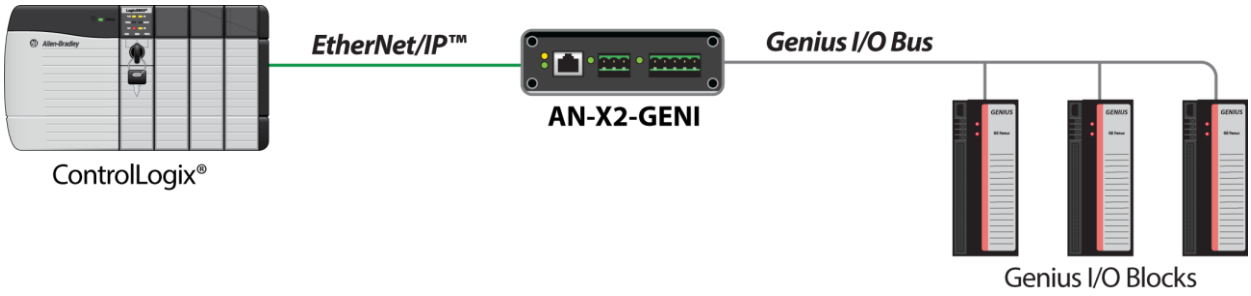
DATASHEET

EtherNet/IP™ to GE Genius™ I/O Gateway

AN-X2-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 90-30™ and 90-70™ 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.



Features

- Configures through a web browser (No separate 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
- Micro SD card backs up configuration files - Can be transferred to the unit to minimize downtime in the event of a disaster

GE Genius™ Bus Features

- Supports sending and receiving Global Data on the Genius Network
- Supports baud rates: 38.4, 76.8, and 153.6 Kbps (Standard and Extended)
- Configurable bus address
- Auto-Configuration feature discovers and maps up to 31 Genius Blocks of I/O [Online]

EtherNet/IP™ Bus Features

- Supports up to 16 I/O connections for real time control
- Supports multicast and unicast connections
- Each connection can have a unique RPI from 2 to 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	200 mA @ 12 VDC or 100 mA @ 24 VDC
Maximum Power Dissapation	2.4W
Operating Temp	32°F to 122°F (0 ºC to 50 ºC)
Storage Temperature	-40°F to 185°F (-40 ºC to 85 ºC)
Dimensions	4.18 x 4.97 x 1.33 in 107 x 126 x 34 mm
Humidity	5% to 95% RH, with no condensation

Regulatory Approvals

Visit our web site at www.prosoft-technology.com for current approval information.

ProSoft® TECHNOLOGY

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

Ordering Information

To order this product, please use the following:

EtherNet/IP™ to GE Genius™ I/O Gateway

AN-X2-GENI

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 *How to Buy* from the menu.