DATASHEET

EtherNet/IP™ Client/Server Communication Module for CompactLogix™ / MicroLogix™ 1500LRP
MVI69-DFNT

The MVI69 EtherNet/IP™ Client/server Communication Module allows CompactLogix™ / MicroLogix™1500 LRP processors to interface easily with EtherNet/IP protocol compatible devices and hosts. Devices commonly supporting the protocol include PLCs, PACs, field devices, and host HMI systems.

The module can send read or write commands to remote devices on the EtherNet/IP network. The module also has 20 servers that allow the module to receive commands from remote devices. Up to 100 commands can be configured by the user. The Module provides support for an Ethernet port to be used in applications requiring a separate or dedicated network.

Features	Benefits
High Data Throughput	♦ High-speed data transfer between MVI69 module and CompactLogix / MicroLogix 1500 LRP processor ♦ Installs as a generic 1769 module, sample ladder logic and AOI included ♦ View module data and status in RSLogix™ 5000 controller tags and UDTs
EtherNet/IP™ Client and Server	♦ Integrate with widely available Rockwell Automation and 3rd party products. ♦ Client/server Explicit Messaging communication supported ♦ 20 server connections ♦ Client connection supporting 100 communication commands
In-chassis Solution	♦ Bridge to optimize data throughput while communicating with HMI or SCADA and other control platforms without losing valuable process control bandwidth

Configuration

ProSoft Configuration Builder (PCB) provides a PC-based software configuration solution for quick and easy management of module configuration files, as well as viewing communication and network diagnostics. PCB is not only a powerful solution for new configuration files, but also allows you to import information from previously installed (known working) configurations into new projects.

Functional Specifications

- Provides up to 4000 16 bit memory registers for user application data transfer
- User-definable module memory usage
- 10/100 Base-T Ethernet compatible interface
- Functions as a server and a Client
- Status data is available in ladder logic or through the Configuration (CFG) Serial Port

Server Specifications

- Supports EtherNet/IP explicit, connected, and unconnected class messaging
- 20 independent server connections permit remote clients to interact with all data contained in the module
- Data can be derived from other clients on the network, through the client on the module, or from the CompactLogix processor

Client Specifications

- Actively issues connected, explicit messages to other nodes on the network
- Supports 100 user-defined commands from a single client
- Allows command control from ladder logic

General Specifications

- Single-slot, 1769 backplane-compatible
- The module is recognized as an Input/Output module and has access to processor memory for data transfer between processor and module.
- Ladder Logic is used for data transfer between module and processor. A sample ladder file with AOI is included.
- Configuration data obtained from configuration text file downloaded to module. A sample configuration file is included.
- Supports CompactLogix and MicroLogix 1500LRP processors with 1769 I/O bus capability and at least 800 mA of available 5 VDC backplane current.

Hardware Specifications

Specification	Description
Dimensions	Standard 1769 single-slot module
Current Load	800 mA maximum @ 5 VDC Power supply distance rating of 2 (L43 and L45 installations on first 2 slots of 1769 bus)
Operating Temp.	32°F to 140°F (0°C to 60°C)
Storage Temp.	-40°F to 185°F (-40°C to 85°C)
Relative Humidity	5% to 95% RH, with no condensation
LED Indicators	Power and Module Status Application Status CFG Port Activity Ethernet Port Activity Error Status
Config Port (CFG)	RJ45 (DB-9M with supplied cable) RS-232 only No hardware handshaking
Ethernet Port	- RJ45 Connector - Link and activity LED indicators - Electrical Isolation 1500 Vrms at 50 to 60 Hz for 60 s, applied as specified in section 5.3.2 of IEC 60950: 1991 - Ethernet Broadcast Storm Resiliency = less than or equal to 5000 [ARP] frames-per-second and less than or equal to 5 minutes duration

Agency Approvals & Certifications

Please visit our website: 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 web site at: www.prosoft-technology.com

Ordering Information

To order this product, please use the following:

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