



FA Control Network Communication Module

MVI69-FLN

The MVI69-FLN FA Control Network Communication Module is a single slot solution that allows Rockwell Automation CompactLogix / MicroLogix I/O compatible processors to easily interface with other FL-net protocol compatible devices. The module implements FL-net version 2.00 (OPCN-2) defined by JEMA (The Japan Electrical Manufacturers Association) for the standard FA control network. FL-net is a master-less system.

The MVI69-FLN module acts as a gateway between the FL-net network and the CompactLogix / MicroLogix backplane. The data transfer from the CompactLogix / MicroLogix processor is asynchronous from the actions on the FL-net network. The module's internal database can be used to exchange Area 1 and Area 2 cyclic, network, and module status data between the processor and the FL-net network.

Features and Benefits

The MVI69-FLN module accepts commands to control and monitor the data stored in the databases. This data is passed between the module and the CompactLogix / MicroLogix processor over the backplane for use in user applications.

General features include:

- Master-less token control method
- FA link protocol on Ethernet UDP/IP
- Cyclic data transfer: Supports virtual memory Area 1 and Area 2. The cyclic data is mapped to the modules I/O area

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. Sample ladder file included.
- Configuration data obtained from configuration text file downloaded to module. Sample configuration file included.
- Supports all CompactLogix processors: L20/L30/L31/L32/L35, L43 and L45 (L43 and L45 supported with RSLogix 5000 v16.03 or later)
- Also supports MicroLogix 1500 LRP

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The MVI69-FLN module provides highly configurable FL-net capabilities to the CompactLogix / MicroLogix platform. FL-net (OPCN-2) is a processor-level network conforming to specification Japan Electrical Manufacturers Association JEM1479. Developed to focus on multi-vendor communications of programmable processors, NC processors, Robotic and other Motion Control systems.

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