



'C' Programmable Application Development Module with Ethernet

MVI69-ADMNET

The MVI69 'C' Programmable Application Development Module with Ethernet is a CompactLogix I/O compatible module that allows CompactLogix processors to interface with other Ethernet protocol compatible devices and hosts utilizing custom 'C' code.

Features and Benefits

The ADMNET module is a powerful solution that will support both Client and Server applications. This broad support enables the module to function as a data collection client, or as a server to another host. Applications for the module are found in most industries, especially Manufacturing, Oil and Gas, Electrical Power and Food processing.

The MVI69-ADMNET module is a single slot, backplane compatible solution for the CompactLogix platform. This module is a powerful and programmable solution supporting one fully isolated serial port, one non-isolated serial port, and one Ethernet port, allowing the many field devices to be integrated into the CompactLogix platform.

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.
- Supports all CompactLogix processors: L20/L30/L31/L32/L35
- Supports MicroLogix 1500 Controller with LRP firmware version 6.0 or newer.

Hardware Specifications

Specification	Description
Dimensions	Standard 1769 Single-slot module
Current Load	800 mA max@ 5 VDC Power supply distance rating of 2
Operating Temp.	0 to 60°C (32 to 140°F)
Storage Temp.	-40 to 85°C (-40 to 185°F)
Relative Humidity	5 to 95% (non-condensing)

'C' Programmable Application Development Module with Ethernet

MVI69-ADMNET

The MVI69-ADMNET module is the ideal solution for many applications where Ethernet and serial connectivity must be added to a CompactLogix platform. Applications using the MVI69-ADMNET module include:

- Bar Code Scanner interface
- Legacy ASCII protocol connections
- Terminal Port Emulation
- Printer Driver (Alarm/Status printer)
- Customized protocol implementations

How to Contact Us: Sales and Support

All ProSoft Technology® products are backed with unlimited technical support. Contact our worldwide Technical Support team directly by phone or email:

Asia Pacific

+603.7724.2080, asiapc@prosoft-technology.com
Languages spoken include: Chinese, Japanese, English

Europe - Middle East - Africa

+33 (0) 5.34.36.87.20, support.EMEA@prosoft-technology.com
Languages spoken include: French, English

North America

+1.661.716.5100, support@prosoft-technology.com
Languages spoken include: English, Spanish

Latin America (Sales only)

+1.281.298.9109, latinam@prosoft-technology.com
Languages spoken include: Spanish, English

Brasil

+55-11.5084.5178, eduardo@prosoft-technology.com
Languages spoken include: Portuguese, English

Specification	Description
LED Indicators	Power and Module Status Application Status CFG Port Activity Ethernet Port Activity Error Status
CFG Port (CFG)	RJ45 (DB-9M with supplied cable) RS-232 only No hardware handshaking
App Port (Ethernet modules)	10/100 Base-T Ethernet compatible interface Electrical Isolation 1500 V rms at 50 Hz 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
Shipped with Unit	RJ45 to DB-9M cables for each port 6-foot RS-232 configuration Cable

Functional Specifications

The MVI69-ADM API Suite allows software developers access to the top layer of the CompactLogix processor and serial ports. The MVI69-ADMNET API suite accesses the Ethernet port.

Both APIs can be easily used without having detailed knowledge of the module's hardware design. The MVI69-ADMNET API Suite consists of the Ethernet Port API. The Ethernet Port API provides access to the Ethernet network. Applications for the MVI69-ADMNET module may be developed using industry-standard DOS programming tools and the appropriate API components.

The MVI69-ADMNET module has two serial ports, one of which is isolated for field interfaces, and one Ethernet port.

- CFG: debug/configuration RS-232
- PRT1: Application RS-232, RS-422 or RS-485
- Ethernet Port

PRT1 is jumper configured for direct or multi-drop field communication. The application program can be written to control the two application ports independently, allowing maximum flexibility in the design.

General Protocol Specifications

- Allows software developers to access CompactLogix processor and Serial/Ethernet ports without needing detailed knowledge of the module's hardware design
- API library functions are specified using the 'C' programming language syntax

- The following compiler versions are compatible with the MVI module API:
 - Digital Mars C++ 8.49 (included)
 - Borland C++ V5.02
- Operating System: General software DOS 6-XL
- Flash ROM program space: 896 KB
- RAM program and data space: 640 KB
- Compact Flash socket: Up to 64 MB

ADM API Libraries

Each API provides a library of function calls. This library supports any programming language that is compatible with the Pascal calling convention.

- Initialization - Open and close the API
- Debug Port - Debug port user interface
- Database - Read and write data to database
- Timer - Start and check timers
- Backplane - Transfer data over the backplane
- LED - Set user LED indicators
- Flash - Parse configuration files
- Miscellaneous - Configure the console

Additional Products

ProSoft Technology offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

Compatible products in the inRAX product line also include:

Generic Ethernet ASCII Interface Module for CompactLogix / MicroLogix (MVI69-GEC)

Visit our web site at <http://www.prosoft-technology.com> for a complete list of products.

Ordering Information

To order this product, please use the following:

MVI69-ADMNET 'C' Programmable Application Development Module with Ethernet

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft distributors near you, go to <http://www.prosoft-technology.com>

Distributors:

Place your order by email or fax to:

North American / Latin American / Asia Pacific

orders@prosoft-technology.com,
fax to +1 661.716.5101

Europe

europe@prosoft-technology.com,
fax to +33 (0) 5.61.78.40.52