



'C' Programmable Application Development Module

MVI69-ADM

The MVI69 Application Development Module is a CompactLogix I/O compatible module that allows user-developed 'C' applications to operate on the CompactLogix platform. A great way to speed up custom ASCII data communications or to protect a proprietary algorithm, the ADM is a powerful tool for the CompactLogix platform.

Features and Benefits

Powerful platform for developing and running 'C' applications on CompactLogix processors. The MVI69 Application Development Module is a single slot, backplane compatible solution for the CompactLogix platform. This module is a powerful and programmable solution supporting two fully isolated serial ports allowing the many serial field devices to be integrated into the CompactLogix platform.

The MVI69-ADM module has three serial ports, two of which are isolated for field interfaces:

- CFG: Debug/configuration RS-232
- PRT1: Application RS-232, RS-422 or RS-485
- PRT2: Application RS-232, RS-422 or RS-485

PRT1 and PRT2 are 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 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.

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

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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)
LED Indicators	Battery and Module Status Application Status Serial Port Activity CFG Port Activity
CFG Port (CFG)	RJ45 (DB-9F with supplied cable) RS-232 only No hardware handshaking
App Ports (P1,P2) (Serial modules)	RS-232, RS-485 or RS-422 (jumper selectable) RJ45 (DB-9F with supplied cable) RS-232 handshaking configurable 500V Optical isolation from backplane
Shipped with Unit	RJ45 to DB-9M cables for each port 6-foot RS-232 configuration Cable

Development Environment

- Operating system: General software DOS 6-XL
- Compatible compiler (16-bit DOS target)
 - Digital Mars C++ V8.49 (included)
 - Borland C++ V5.02

Application Programming Interfaces (API)

- Serial Port API: serial port functions
- Backplane API: low level backplane functions
- ADM API debug port functions: debug port functions, database functions, timer functions, high level backplane transfer functions, LED functions, flash read functions

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 Serial ASCII Interface Module for CompactLogix / MicroLogix (MVI69-GSC)

BASIC Interface Module for CompactLogix / MicroLogix (MVI69-BAS)

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-ADM 'C' Programmable Application
Development Module

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>

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