



# DISCONTINUED

## 'C' Programmable Application Development Module

### MVI71-ADM

The MVI71 Application Development Module is a PLC backplane compatible module that allows user-developed 'C' applications to operate on the PLC 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 PLC platform.

### Features and Benefits

Powerful platform for developing and running 'C' applications on Rockwell Automation's PLC processors. The MVI71-ADM module is a single slot, backplane compatible solution for the Rockwell Automation PLC 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 PLC platform.

- The MVI71-ADM module has three serial ports, two of which are isolated for field interfaces:
- P1 -- Debug/configuration RS-232
- P2 -- Application RS-232, RS-422 or RS-485
- P3 -- Application RS-232, RS-422 or RS-485

P2 and P3 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 – 1771 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.

### Hardware Specifications

Specification	Description
Form Factor	Single Slot 1771 chassis compatible BTR/BTW data transfer Local or remote rack
Backplane current load	800 mA @ 5 V
Operating temperature	0 to 60°C (32 to 140°F)

## 'C' Programmable Application Development Module

### MVI71-ADM

The MVI71-ADM module is the ideal solution for many applications where serial connectivity must be added to a PLC platform. Applications using the MVI71-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:

#### 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
Storage temperature	-40 to 85°C (-40 to 185°F)
Shock	30g operational 50g non-operational
Vibration	5 g from 10150 Hz
Relative humidity	5 to 95% (non-condensing)
LED Indicators	Module status Backplane transfer status Application status Serial activity and error LED status
<b>Debug/Configuration port (CFG)</b>	
CFG Port (P1)	RJ45 (DB-9M with supplied cable) RS-232 only
Configuration Connector	RJ45 RS-232 Connector (RJ45 to DB-9 cable shipped with unit)
<b>Application Ports</b>	
Application Serial port (P2, P3) (Serial Modules)	(2) RJ45 RS-232/422/485 Application ports

## Functional Specifications

### 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 PLC (MVI71-GSC)

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

Copyright © ProSoft Technology, Inc. 2000 - 2013. All Rights Reserved.  
December 17, 2013