



# Generic ASCII Serial Interface Module

## MVI69-GSC

The ProSoft Technology MVI69 Generic ASCII Serial module is a fast and easy way to add two fully configurable ASCII communication ports to the CompactLogix platform without consuming the front port of the processor.

### Features and Benefits

The MVI69-GSC module is a single slot, backplane compatible solution for the CompactLogix platform. This module has two powerful and fully configurable ASCII communication ports, each supporting the sending and receiving of large ASCII character strings. With the implementation of some supporting ladder logic in the processor, the many different devices supporting ASCII communications can 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. 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

### 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

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The MVI69-GSC module is the ideal solution for the many applications where ASCII character communications must be added to the CompactLogix platform. Applications using the MVI69-GSC module can be found in many industrial sectors generally involving the following applications:

- Bar code scanner interfaces
- Weigh scale interfaces
- Legacy ASCII protocol connections
- Terminal port emulation
- Printer driver (alarm/status printer)

### 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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Specification	Description
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

## Functional Specifications

- ASCII Communication ports 1 & 2 (PRT1, PRT2)
  - Both ports are capable of transmitting and/or receiving ASCII character strings. Each port is individually configurable:
    - Termination types
    - Stream mode
    - Termination character(s)
    - Message timeout
    - Intercharacter timeout
    - Packet size limit
    - Baud rate: 110 to 115.2K baud
    - Parity: none, even, odd
    - Stop bits: 1 or 2
    - Data bits: 5 to 8
    - RTS on/off timing: 0 to 65535 milliseconds
    - Minimum response delay: 0 to 65535 milliseconds
- Handshaking (optional)
  - Hardware: RTS/CTS, DTR/DSR
  - Software: XON/XOFF
- ASCII character strings up to 4096 characters in length supported
- Full hardware handshaking control provides radio, modem and multi-drop support
- User-definable module memory usage, supporting the storage and transfer of up to 4000 registers to/from the control processor
- Module error and status conditions returned to processor for diagnostic purposes
  - Module status
  - Port error status word (bit mapped)
  - Port receive state
  - Port receive character count
  - Port receive block count
  - Port transmit state
  - Port transmit character count
  - Port transmit block count

- All data related to the module is contained in a single controller tag with defined objects to simplify configuration, monitoring and interfacing with the module
- Module configuration and communication configuration data is transferred to the module via a predefined user data type in the processor

## 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:

### Application Development Module for CompactLogix / MicroLogix (MVI69-ADM)

### 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-GSC          Generic ASCII Serial Interface 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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May 16, 2008