Generic ASCII Serial Single Port Interface Module

Generic ASCII Serial Single Port Interface Module
MVI94-GSC-E

The MVI94-GSC-E module is the ideal solution for the many applications where ASCII character communications must be added to the FLEX platform. Applications using the MVI94-GSC-E 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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MVI94-GSC-E

The ProSoft Technology Generic ASCII Serial Single Port Interface Module is a fast and easy way to add a fully configurable ASCII communication port to the FLEX platform without consuming the front port of the processor.

Features and Benefits

The MVI94-GSC-E allows Rockwell Automation Flex I/O compatible processors to interface easily with other serial communication devices. Compatible devices include bar code readers, scanners, scales, printers, terminals and any other serial communication devices.

General Specifications

Some of the general specifications include:

- Operation via simple ladder logic
- Complete setup and monitoring of module through Debug port and user configuration file
- Flex backplane interface via I/O access

Hardware Specifications

Specification	Description
Form Factor	Single Slot 1794 Backplane compatible
	Locate in any slot of Backplane
Backplane current load	20 mA @ 5 V
External power supply	12V to 24VDC
	340 mA to 170 mA
Operating temperature	0 to 55°C (32 to 140°F)
Storage temperature	–40 to 85°C (–40 to 185°F)
Shock	30g operational
	50g non-operational
	5g 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
Configuration Serial port (PRT1)	Mini-DIN
	RS-232
	Hardware handshaking

inRAx

Specification	Description
Application serial Port (PRT2)	Mini-DIN
	RS-232/422/485 jumper selectable
	500V optical isolation from backplane
Dimensions (with Module installed in Base)	3.7H x 3.7W x 2.7D inches
	94H x 94W x 69D mm

Functional Specifications

The MVI94-GSC-E module interfaces a serial communication device with the Rockwell Automation Flex processor. One application port is present on the module to interface with devices such as bar code readers, scales, printers and terminals. The communication port permits both the reception and transmission of data between the Rockwell Automation processor and attached devices. The module is designed primarily to receive data (up to 4096 characters in consecutive blocks), but can also transmit up to 10 characters on a block transfer.

Some of the general specifications include:

- One port to receive and/or transmit data
- Receive up to 4096 characters
- Transmit up to 10 characters per block

Configurable parameters include:

Parameter	Description
Termination type	Stream mode, termination character(s), message timeout, intercharacter timeout and packet size limit
Baud Rate	110 to 115,200
Parity	None, Odd and Even
Data Bits	5 to 8
Stop Bits	1 or 2
RTS On and Off Timing	0 to 65535 milliseconds
Minimum Response Delay	0 to 65535 milliseconds
Hardware or Software Handshaking	RTS/CTS, DTR/DSR or XON/XOFF
Byte Swapping	Swap bytes received or to transmit

Additional Products

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

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:

MVI94-GSC-E   Generic ASCII Serial Single Port Interface Module

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