



Modbus TCP/IP Communication Module - Client Only

MVI46-MNETC

With the growing trend of Ethernet technology in the industrial marketplace, this product has a wide variety of application uses.

- Food processing
- Petrochemical
- Pulp and paper
- Automobile manufacturing
- Water and Wastewater
- Oil and Gas
- Power and Electric

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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

Modbus TCP/IP Communication Module - Client Only

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The MVI46 Modbus TCP/IP Client

Communication Module is designed to allow SLC processors to interface easily with other Modbus TCP/IP protocol-compatible devices.

Compatible devices include not only Modicon processors (which support the Modbus TCP/IP protocol) but also a wide assortment of other server devices.

Features and Benefits

This module was created to improve the performance when servers are not needed on a Modbus TCP/IP network. The module supports up to 30 clients with up to 16 commands for each client, making it easy to enable/disable the commands from the ladder logic. The client command control word contains one bit for each command.

Some of the other features include:

- Support for the storage and transfer of up to 5000 registers to/from the SLC processor's controller tags
- Module memory usage that is completely user definable
- 10/100 MB Ethernet compatible interface
- Configurable parameters for the client include:
 - Minimum Command Delay
 - User Defined Commands (Read/Write)

General Specifications

- Single Slot – 1746 backplane compatible (Local or extended I/O rack only. Remote rack not supported)
- The module is recognized as an Input/Output module and has access to processor memory for data transfer between processor and module using M0/M1 files
- 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

Hardware Specifications

Specification	Description
Backplane Current Load	800 ma @ 5V (from backplane)
Operating Temperature	0 to 60°C (32 to 140°F)
Storage Temperature	-40 to 85°C (-40 to 185°F)
Relative Humidity	5 to 95% (non-condensing)
Shock	30g operational, 50g non-operational
Vibration	5 g from 10150 Hz
LED indicators	Module status, Backplane transfer status, Application status, Serial activity (debug port), Ethernet link and activity, and error LED status

Debug/Configuration port (CFG)

CFG Port (CFG)	RJ45 (DB-9M with supplied cable) RS-232 only No hardware handshaking
Configuration Connector	RJ45 RS-232 Connector (RJ45 to DB-9 cable shipped with unit)

Application Ports

Ethernet Port (Ethernet Modules)	RJ45 Connector Link and activity LED indicators
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Functional Specifications

- Operation via simple ladder logic
- Complete set up and monitoring of module through software and user-constructed configuration file (MNET.CFG)
- Backplane interface via I/O access

General Protocol specifications

Type	Specifications
Floating Point Data	Floating point data movement supported, including configurable support for Enron implementation

Modbus TCP/IP Client

- The client driver supports the active reading and writing of data with Modbus TCP/IP compatible devices.
- Up to 30 client connections available.

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:

Modbus TCP/IP Client/Server Communication Module **(MVI46-MNET)**

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:

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Communication Module - Client
Only

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Europe

europe@prosoft-technology.com,
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