



Modbus Master/Slave Communication Module for Remote Chassis

MVI56-MCMR

Applications using the Modbus Communication Module can be found in many industrial sectors, including:

- Foreign device data concentrator
- Pipelines and offshore platforms
- Food processing
- Mining
- Pulp and paper
- SCADA communications

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The MVI56 Modbus Master/Slave Communication Module with Reduced Data Block allows ControlLogix processors to interface easily with other Modbus protocol compatible devices.

Compatible devices include not only Modicon PLCs (which all support the Modbus protocol) but also a wide assortment of end devices.

This module uses a small I/O data area for data transfer between the module and the ControlLogix processor, making it ideal for ControlNet or Ethernet applications with the module in a remote rack.

Features and Benefits

The MVI56 Modbus Master/Slave Communications module with reduced data block is designed to allow ControlLogix processors to interface easily with Modbus protocol-compatible devices and hosts.

The module acts as an input/output module between the Modbus network and the ControlLogix processor. The data transfer from the processor is asynchronous from the actions on the Modbus network. A 5000-word register space in the module exchanges data between the processor and the Modbus network.

Many host SCADA applications support the Modbus protocol, while devices commonly supporting the protocol include several PLCs, as well as many other third party devices in the marketplace. (For a partial list of devices that speak Modbus, please visit the ProSoft Tested section of the ProSoft Technology web site).

General Specifications

- Single Slot - ControlLogix backplane compatible
- Designed especially for remote rack implementations
- The module is recognized as an Input/Output module and has access to processor memory for data transfer
- Ladder Logic is used for data transfer between module and processor. Sample Ladder File included
- Configuration data obtained from configuration file downloaded to module. Sample configuration file included

Hardware Specifications

Specification	Description
Backplane Current Load	800 mA @ 5 V DC 3mA @ 24V DC
Operating Temperature	0 to 60°C (32 to 140°F)
Storage Temperature	-40 to 85°C (-40 to 185°F)

