





Teledyne CA Slave Communication Module MVI56-CAS

The MVI56-CAS module provides highly-configurable TCA slave capabilities to the Rockwell Automation ControlLogix platform. The product is frequently used as a SCADA slave. In a SCADA slave application, the module could be used in remote controller racks as is often used in the oil and gas, or wastewater industries.

How to Contact Us: Sales and Support

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Teledyne CA Slave Communication Module

MVI56-CAS

The MVI56 Teledyne CA Module allows Rockwell Automation ControlLogix I/O compatible processors to interface easily with TCA protocol compatible devices.

Features and Benefits

The MVI56-CAS module acts as an input/output module between the TCA network and the Rockwell Automation backplane. The data transfer from the ControlLogix processor is asynchronous from the actions on the TCA network. A 5000-word register space in the module exchanges data between the processor and the TCA network.

General Specifications

- Single Slot 1756 backplane compatible
- Local or remote rack
- 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.
- Configuration data obtained through user-defined ladder. Sample ladder file included

Hardware Specifications

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Specification	Description
Backplane Current Load	800 mA @ 5 V
Operating Temperature	0 to 60°C (32 to 140°F)
Storage Temperature	–40 to 85°C (–40 to 185°F)
Shock:	30g Operational
	50g non-operational
	Vibration: 5 g from 10 to 150 Hz
Relative Humidity	5 to 95% (non-condensing)
LED Indicators:	Module Status
	Backplane Transfer Status
	Application Status
	Serial Activity
Debug/Configuration port (CFG)	
CFG Port (CFG)	RJ45 (DB-9M with supplied cable)
	RS-232 only



Charification	Description
Specification	Description
Application ports (PRT1 & PRT2)	
Full hardware handshall and Multi-drop support	king control, providing radio, modem
Software configurable communication	Baud rate: 110 to 115,200 baud, depending on protocol
parameters	RS-232, 485 and 422
	Parity: none, odd or even
	Data bits: 5, 6, 7, or 8
	Stop bits: 1 or 2
	RTS on/off delay: 0 to 65535 ms
App Ports (P1,P2)	RJ45 (DB-9M with supplied cable)
(Serial modules)	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

- Function codes
 - o 1: Read output data
 - o 2: Read analog data
 - o 3: Read meter data
 - o 10: Read frozen analog values
 - 11: Read frozen meter data
 - 16: Read all data
 - 20: Read tank data from RTU
 - o 30: Control momentary select
 - o 31: Control momentary operate
 - o 32: Control continuous select
 - 33: Control continuous operate
 - o 34: Setpoint select
 - 35: Setpoint operate
 - o 43: Freeze meters
 - o 44: Freeze analogs
 - 45: Freeze meters/analogs
 - o 46/6: Special freeze
 - o 50: Exception data request
- · Supports broadcast commands from master
- Register addressing
 - Status: Up to 250 words
 - o Analog: Up to 250 words
 - o Meter: Up to 125 values (2 words per value)
 - o Tank: Up to 250 words
- Supports write commands from host
- Operates in both direct or indirect modes
- Setpoint select and operate

.

Control point continuous and momentary

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Ordering Information

To order this product, please use the following:

MVI56-CAS

Teledyne CA Slave Communication Module

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