

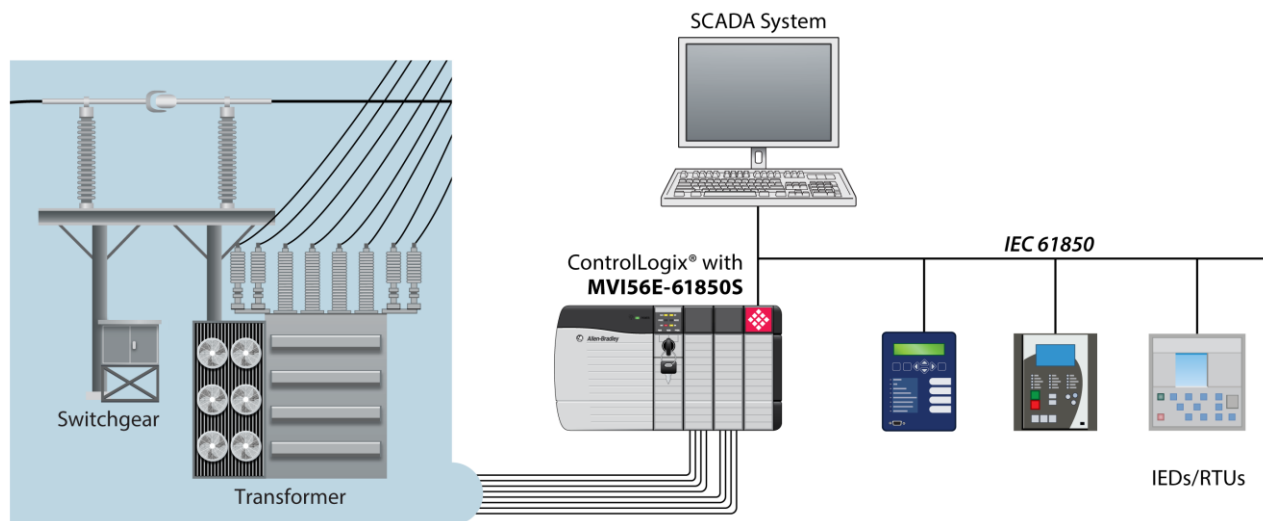
DATASHEET

IEC 61850 Server Communication Module for ControlLogix[®]

MVI56E-61850S

The MVI56E-61850S Ethernet Communication Module allows Rockwell Automation[®] ControlLogix[®] PACs to emulate Intelligent Electronic Devices on an IEC 61850 Ethernet network to SCADA systems. Now your non-smart electrical substation devices, such as transformers and switchgear, can present their data as IEC 61850 IEDs to the SCADA system.

The module comes with an Add-On Instruction to be used with RSLogix[™] 5000/Studio 5000[™] for easier configuration and setup. Remote diagnostics of the unit can be viewed through controller tags in your ControlLogix[®] processor, reducing downtime.



Features

- ◆ The ControlLogix[®] PAC is able to emulate multiple Intelligent Electronic Devices on an IEC 61850 network.
- ◆ Add-On Instruction provides logical definitions for I/O, module status and control data easing configuration and maintenance of the module.
- ◆ ProSoft Discovery Service (PDS) software is used to initially set the module's IP address, so you don't have to change your PC to the default subnet of the module.
- ◆ Module functions as an IEC 61850 Server, allowing it to interface with SCADA systems.

IEC 61850 Ethernet Specifications

Specification	Description
Client connections	Supports up to 8 independent client connections
Supported 61850 data point types	Status with Quality – 200 points SOE Status – 200 points Control Points – 200 points (FLOATDB type is 50 points maximum) Buffered Reports – 8 instances maximum Unbuffered Reports – 8 instances maximum
Supported functions	IEC 61850 Server functionality with support for the MMS Read and MMS Write functions using the GGIO logical node
Supported data types	GGIO logical node with support for the following data types: BOOL BYTE INT DINT (32-bit) REAL (32-bit Float) FLOATDB (32-bit Float)

Hardware Specifications

Specification	Description
Backplane current load	800 mA @ 5 VDC 3 mA @ 24 VDC
Operating temperature	32°F to 140°F (0°C to 60°C)
Storage temperature	-40°F to 185°F (-40°C to 85°C)
Shock	30 g operational 50 g non-operational
Vibration	5 g from 10 to 150 Hz
Relative humidity	5% to 95% RH, with no condensation
LED indicators	Battery status (ERR) Application status (APP) Module status (OK)
4-character display	Shows module IP address
Ethernet port	10/100 Base-T, RJ45 Connector, for CAT5 cable Link and Activity LED indicators Auto-crossover cable detection

Agency Approvals & Certifications

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Ordering Information

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MVI56E-61850S

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