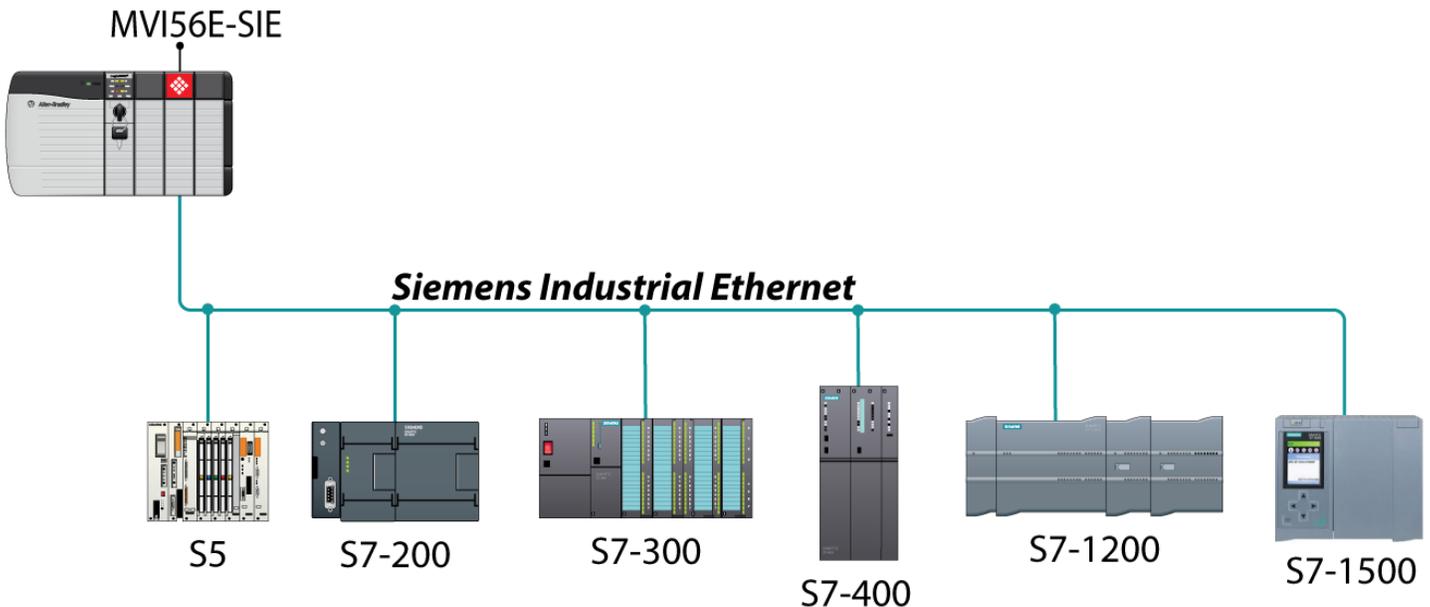# Siemens Industrial Ethernet Communication Module for ControlLogix®
MVI56E-SIE

The MVI56E-SIE Siemens Industrial Ethernet Communication Module allows Rockwell Automation ControlLogix Programmable Automation Controllers (PACs) to interface easily as an Ethernet Client with up to a maximum of 20 Siemens S7-200, S7-300, S7-400, S7-1200, and S7-1500 PLCs operating as Ethernet servers.

The module uses ProSoft Configuration Builder (PCB) which provides a graphical configuration tool for management of module configuration files, as well as viewing communication and module diagnostic information using the high-speed Ethernet port.

Commands are enabled/disabled from ladder logic enabling various Siemens S7 CPUs to support multiple applications without having to reconfigure the module. Data transfer to a ControlLogix ® PAC uses scheduled I/O data for faster updates and better performance

General Specifications

♦ Single-slot 1756 ControlLogix backplane compatible
♦ 10/100 Mbps auto crossover detection Ethernet configuration and application port
♦ User-definable module data memory mapping of up to 5000 16-bit registers
♦ CIPconnect-enabled network configuration and diagnostics monitoring using ControlLogix 1756-ENxT and 1756-CNB modules and EtherNet/IP pass-through communication
♦ Add-On Instructions (AOI) are used for data transfer between module and processor
♦ 4-character, alpha-numeric, scrolling LED display of status and diagnostics data
♦ ProSoft Discovery Service (PDS) software used to locate the module on the network and assign temporary IP address
♦ Personality Module - a non-volatile, industrial-grade Compact Flash (CF) card used to store network and module configuration, allowing quick in-the-field product replacement by transferring the CF card

Siemens Industrial Ethernet Specifications

Specification	Description
Supported PLC Data Exchange (Read and Write)	Siemens S7-200
	Siemens S7-300
	Siemens S7-400
	Siemens S7-1200
	Siemens S7-1500
Supported Register Types	DB
	Inputs
	Outputs
	Flags
	Counters
	Timers

Hardware Specifications

Specification	Description
Backplane Current Load	800 mA @ 5 Vdc
	3 mA @ 24 Vdc
Operating Temperature	0°C to 60°C (32°F to 140°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Shock	30 g operational
	50 g non-operational
Vibration	5 g from 10 Hz 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, Scrolling, Alpha-Numeric LED Display	Shows Module, Version, IP, Application Port Setting, Port Status, and Error Information
Debug/Configuration/Application Ethernet port (E1)	
Ethernet Port	10/100 Base-T, RJ45 Connector, for CAT5 cable
	Link and Activity LED indicators
	Auto-crossover cable detection

Agency Approvals & Certifications

Please visit our website: www.prosoft-technology.com