



# IEC 60870-5-101 Slave Communication Module

## MVI71-101S

The MVI71 IEC 60870-5-101 Slave Communication Module allows Rockwell Automation PLC I/O compatible processors to interface easily with IEC 60870-5-101 protocol compatible hosts. The module's two powerful and highly configurable ports allow the many SCADA host systems supporting the IEC protocol to be integrated into the PLC platform.

## Features and Benefits

The MVI71-101S module is the fastest and easiest way to add IEC 60870-5-101 protocol interface support to the PLC platform. It is a single slot, backplane compatible solution for the Rockwell Automation PLC platform. This module has two powerful and highly configurable IEC 60870-5-101 Slave ports, allowing the many SCADA and field devices supporting the IEC protocol to be integrated into the PLC platform.

The MVI71-101S module acts as an input/output module between the IEC 60870-5-101 telecontrol network and the Rockwell Automation PLC backplane. The data transfer from the PLC processor is asynchronous from the actions on the network. A 5000-word register space in the module exchanges data between the processor and the telecontrol network.

## General Specifications

- Single Slot – 1771 backplane compatible
- 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. Sample ladder file included.
- Configuration data obtained from configuration text file downloaded to module. Sample configuration file included.

## Hardware Specifications

Specification	Description
Form Factor	Single Slot 1771 chassis compatible BTR/BTW data transfer Local or remote rack
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)

## IEC 60870-5-101 Slave Communication Module MVI71-101S

The MVI71-101S Slave module is designed to address the application where a host systems using the IEC 60870-5-101 protocol must communicate with a PLC processor. As such, the IEC Slave module can be used as a gateway in many SCADA installations in industries such as:

- Power and distribution applications
- Petrochemical
- Water and Gas Applications
- Oil and Gas production

## How to Contact Us: Sales and Support

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