

# DATASHEET

## Modbus Slave Communications Adapter 3170-MBS



The 3170-MBS Modbus Slave Communication Adapter can interface up to 8 Rockwell Automation FLEX and/or Integra I/O modules directly with any Modbus Master.

### Features

### Benefits

Powerful network integration

- ◆ Move data between dissimilar networks using two communication protocols on one gateway
- ◆ Protocols share access to a common memory database to exchange data between networks
- ◆ View diagnostic data for both networks from a single configuration/debug port

Modbus slave protocol interface

- ◆ Emulate Modbus slave device on each individually-configurable application port
- ◆ Supports Modbus RTU and Modbus ASCII protocol versions
- ◆ Floating point data movement supported, including support for Enron, Daniel<sup>®</sup>, and other implementations
- ◆ Suitable for SCADA and field device interface applications

Backed by ProSoft Technology<sup>®</sup>

- ◆ Industrial data communications experts who understand your protocols, devices, and applications

## Functional Specifications

- The 3170-MBS has read/write access to all FLEX and Integra modules. This allows a Host system to perform all functions necessary to get all I/O modules functioning. All register data values can be accessed using Function Codes 3, 4, 6 and 16. Bit level Function Codes 1, 2, and 5 are also supported
- Multi-drop on an RS-485 link with other Modbus compatible devices
- Interface analog and/or discrete I/O directly to a host

## FLEX I/O Interfaces

Specification	Description
Form Factor	Single Slot 1794 Backplane compatible Locate in any slot of Backplane
Backplane current load	20 mA @ 5 V
External power supply	12 Vdc to 24 Vdc 340 mA to 170 mA
Operating temperature	0°C to 55°C (32°F to 131°F)
Storage temperature	-40°C to 85°C (-40°F to 185°F)
Shock	30 g operational
Vibration	50 g non-operational 5 g from 10 Hz to 150 Hz
Relative humidity	5% to 95% RH, (with no condensation)
LED indicators	Module status Backplane transfer status Application status Serial activity and error LED status
Configuration serial port (PRT 1)	Mini-DIN RS-232 Hardware handshaking
Application serial port (PRT 2)	Mini-DIN RS-232/422/485 jumper selectable 500V optical isolation from backplane
Dimensions (with Module installed in Base)	3.7H x 3.7W x 2.7D inches 94H x 94W x 69D mm

## Agency Approvals & Certifications

Please visit our website: [www.prosoft-technology.com](http://www.prosoft-technology.com)



## Additional Products

ProSoft Technology® offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms. For a complete list of products, visit our website at: [www.prosoft-technology.com](http://www.prosoft-technology.com)

## Ordering Information

To order this product, please use the following:

## Modbus Slave Communications Adapter

3170-MBS

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