



# PRODUCT DATA SHEET

## ALLEN-BRADLEY SLC / MODBUS COMMUNICATIONS INTERFACE MODULE

### Catalog No. 420Z,Y, S

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*The MODBUS Interface module is an Allen-Bradley 1746-BAS module with MODBUS communications software. The module provides direct communication from a 1746 controller to MODBUS devices. Both MODBUS Master and MODBUS Slave configurations are supported.*

*The module provides seamless integration for those applications requiring MODBUS and Allen-Bradley plant floor communications.*

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### **MODBUS COMMUNICATIONS MASTERS**

#### **420Y - Polling Master, 420Z - SCADA Master**

- *Support for all MODBUS Register and Coil Commands*
- *Software Selectable Transmission modes (RTU and ASCII)*
- *Supports RS232, RS422 and RS485 devices*
- *Single M-File Copy Instruction to access any of up to 256 MODBUS devices*
- *Remote devices supported in the SCADA Master*
- *Support for up to 256 devices using RS422 or RS485 communications*
- *User configurable Baud Rate, Link Retries, and Device Timeout*
- *Automatic Error Detection and Retries on communication failure*

### **MODBUS COMMUNICATIONS SLAVE**

#### **Catalog No. 420S**

- *1746 Processor appears as a 984 Controller to the MODBUS network*
- *Software Selectable Transmission modes (RTU and ASCII)*
- *Supports RS232, RS422 and RS485 devices*
- *Coil and Register write commands passed through to the 1746 Processor*
- *Coil and Register read commands processed locally in the 1746-BAS module*
- *User Configurable Addressing, Data Table Sizes, Baud Rate, Retries, and Device Timeout*