AUTOSOL

Modbus Slave

Valuable Communication through Modbus

There are many software packages that rely on Modbus for consistent, low-bandwidth data. However, this reliance should not stop you from utilizing new devices in the field.

AUTOSOL's Modbus Slave can provide an RTU/PLC-like interface to any OPC-DA server. This Modbus interface can be configured for any register set scheme to allow for communications to and from a Modbus Master. This enables efficient communications between your SCADA Master and remote OPC servers, such as distributed HMIs or polling engines, even over low-bandwidth connections.

When combined with AUTOSOL Communication Manager®, the AUTOSOL Modbus Slave becomes a protocol translator that can convert almost any SCADA protocol to Modbus for communication with legacy SCADA Master systems.

Modbus Slave therefore allows for polling engine modernization without a major HMI upgrade, providing a Modbus interface to any OPC server software to extend the life of in-place systems while helping to future-proof operational growth.

Key Features

Register Sets

Add and configure multiple Modbus Slave register sets from the Register Records window with the following options:

- **Auto Fill:** Select a common register set from those available in the related drop-down list and populate the current register record with the same values

- **Message Format:** Select whether the message should be sent in binary RTU or ASCII format

- **Error Check:** Select whether the message validation uses CRC or LRC error checking

- **Byte Order:** When multi-byte values are accessed, select whether the most significant byte is read first (high/low) or the least significant byte is read first (low/high)

- **Find Request by Function Code:** Causes the slave to read for an address in addition to the function code and byte address

- **Enable Diagnostics:** Have the slave respond to a function code 8 when requested by the Master

Automatic Startup

Automatic startup using a specified configuration file.

Project Supervisor

Configure your Modbus Slave to run independently as a background service.

OPC Server Configuration

Add and configure multiple OPC Servers (including data and diagnostic items for each server).

Protocol Configuration

Map multiple protocols in the Protocol Configuration window with the ability to specify a targeted server for each protocol diagnostic option.

Port Configuration

Add and configure multiple radio, serial and/or modern ports from the Port Configuration window.

Modification Lock

Run mode prevents modifications from being made to the program when activated from the slave.

Logging

The Modbus Slave for OPC program comes with a logger that is used to monitor incoming and outgoing traffic as well as spot errors (log events can be specified on a per-port basis).

Product Features

Supported Telemetry Media

- Serial Cable or Leased-Line
- Dial-Up Telephone or Cellular Phone
- TCP/IP, UDP/IP

Supported Protocols

- Modbus (including Standard, Daniels, Enron, AUTOSOL Extended Modbus)
- Custom Register Definitions

Specifications are subject to change without notice.
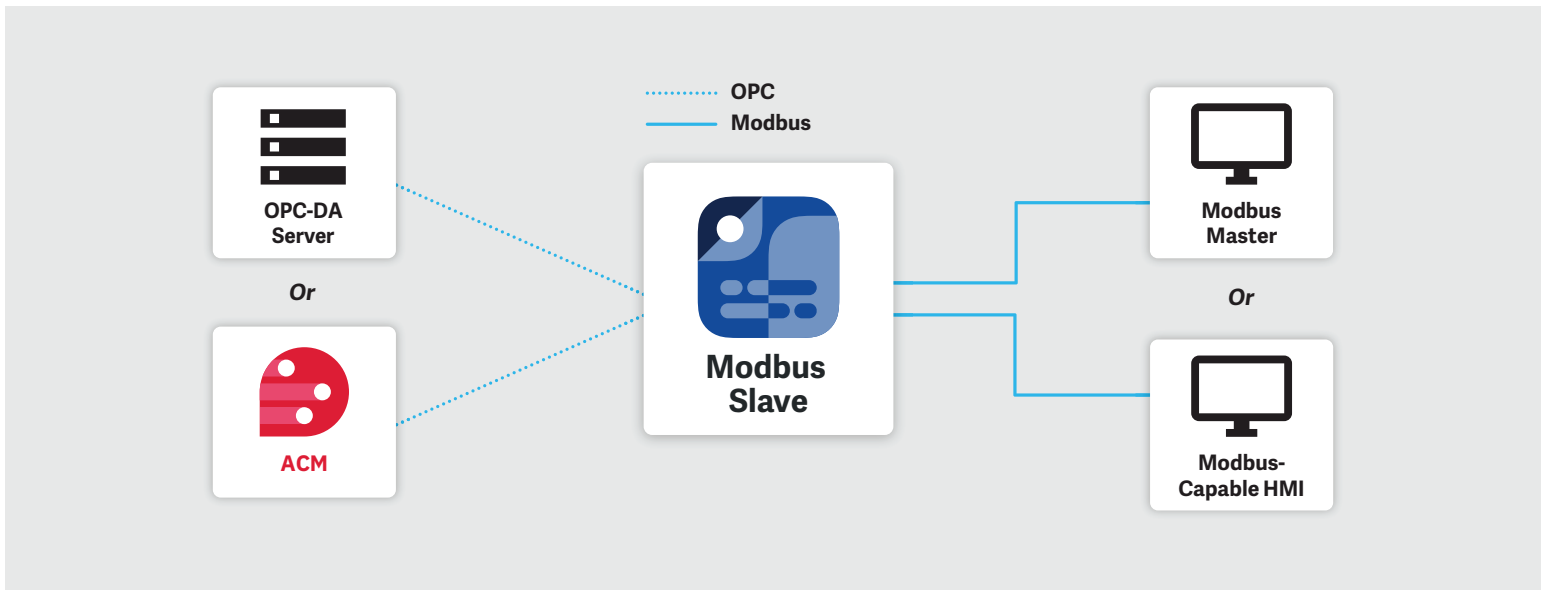
Server Interface Formats

- OPC-DA (Open Platform Communications Data Access)

SCADA Capabilities

- Server Status Check and Automatic Reconnect

Open Configuration

- Microsoft Access Database Configuration

OPC

Modbus

OPC-DA Server

Or

ACM

Modbus Slave

Modbus Master

Or

Modbus-Capable HMI

AUTOSOL

www.autosoln.com | info@autosoln.com
USA: 281.286.6017 | Canada: 587.315.6128