



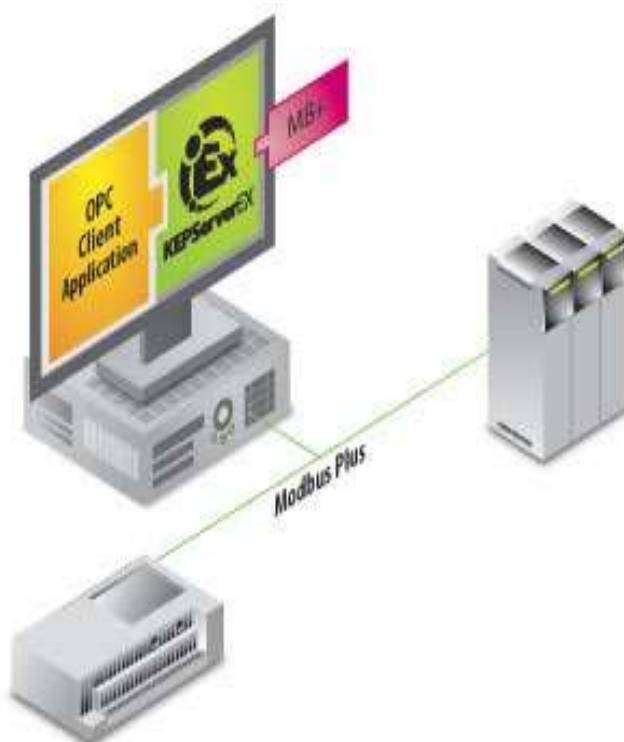
"THE WORLD LEADER IN COMMUNICATIONS FOR AUTOMATION"

1-207-775-1660

## Modbus Plus OPC Server

Kepware's Modbus Plus device driver works in conjunction with our OPC Server KEPServerEX, to provide data exchange between OPC Clients and Modbus Plus protocol compliant PLCs. Kepware's implementation of Modbus Plus supports master and slave paths simultaneously. The slave mode allows the server to receive data by exception from other Modbus Plus devices. Up to eight simultaneous slave paths are supported for maximum unsolicited message processing throughput. KEPServerEX automatically optimizes your data acquisition based on client demand. Data integrity is ensured with our extensive error handling.

The Modbus Plus driver now offers direct integration with Modicon Concept and ProWORX programming packages. If you are using either of these packages you will be able to directly import the tags used in your PLC application directly into KEPServerEX. This time saving step makes all of the relevant PLC data available to your OPC client applications instantly.



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### The Modbus OPC Server Suite includes:

- Modbus ASCII OPC Server
- Modbus Ethernet OPC Server
- Modbus RTU Slave Serial OPC Server
- Modbus RTU Serial OPC Server
- Modbus PLUS OPC Server

**Plug-in Driver Features:**

- Automatic Tag Database Generation
- Supports tag import from Concept and ProWORX programming packages
- SA85-PCMCIA (Windows95 only)
- Supports up to four SA85 cards in one PC
- Supports Multiple Access Paths per card
- Modicon X84 w Modbus Plus features
- Modicon TIO Remote I/O Modules
- Supports Memory Accesses to 65535
- 0xxxx - Output Coils, 1xxxx - Input Coils, 3xxxx - Internal Registers, 4xxxx - Holding Registers
- Supports accessing Holding Register memory as string data with HiLo/LoHiByte ordering
- All data types and arrays are supported
- Order Modicon part # "SW-LNET-INT" or "SW-LNET-I95"

**Protocol**

- Modbus Plus

**Application Support**

- OPC Data Access (OPC DA) Versions 1.0a, 2.0, 2.05a, 3.0
- OPC Alarms and Events (OPC AE) Version 1.10
- OPC Unified Architecture (OPC UA) Version 1.01
- OPC Express Interface (OPC Xi) Version 1.00
- SuiteLink and FastDDE for Wonderware
- NIO Interface for iFIX
- DDE Format CF\_Text and AdvancedDDE

**Supported Devices**

- AT-984 Programmable Controller Board
- SA85-PCI
- SA85 (-002 and -001) PC Interface Cards
- Modbus Plus ISA PC Adapter Card - Schneider part#: AM-SA85-030
- Modbus Plus PCI PC Adapter Card Schneider part#: 416 NHM 300 30
- Modbus Plus Type II PCMCIA Card - Schneider part#: 416 NHM 212 30
- Modbus Plus Type III PCMCIA Card - Schneider part#: 416 NHM 212 33
- Modbus Plus Type III PnP PCMCIA Card - Schneider part#: 416 NHM 212 34
- Hilscher CIF Card - For this configuration, the driver requires Hilscher's SyCon configuration software to be installed on the same machine as the card. Also, configuration of the card is performed and downloaded through SyCon

**Note:** USB Adapter for Modbus Plus Networks  
(Modbus RTU Serial Driver)

**Additional Information and Resources:**

- KEPServerEX OPC Server Features
- Modbus Plus Revision History
- KEPServerEX Revision History
- Connecting Visual Basic to Modbus Plus
- System Requirements
- OPC Compliancy Testing
- KEPServerEX v5 Licensing
- Upgrade Pricing

**Related Products:**

- Manufacturing Suite
- LinkMaster OPC Bridging Software
- DataLogger Option for KEPServerEX
- Advanced Tag Option for KEPServerEX
- RedundancyMaster OPC Redundancy Software
- Service Agreement and Support Program
- Service Agreement Pricing Options
- Legacy Pricing Policy

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**Drivers "Plug-in" to KEPServerEX**

The Modbus Plus OPC Server is a plug-in device driver for KEPServerEX. A "Plug-in" is a software program (.dll) that extends the capabilities of KEPServerEX to fit the communication requirements of a specific device or system. The plug-in driver handles all of the proprietary communications between the device/system and the OPC layer, KEPServerEX. The KEPServerEX core then handles all OPC and Proprietary Client communications between the plug-in driver and the Client application. For a complete list of features and capabilities please visit the KEPServerEX overview page.

- OPC Foundation Certified - The Best of OPC on the Market
- High Performance - Multi Threaded - Runtime Configurable
- Detailed Protocol Diagnostics - Communications Trace
- Detailed OPC Diagnostics - Communications Trace
- Native Interfaces - Client Connectivity Beyond the OPC Standards
- Stratus High Availability Computing - Certified
- Marathon High Availability Computing - Certified
- Kepware 2 Hour Demonstration Mode on all Products