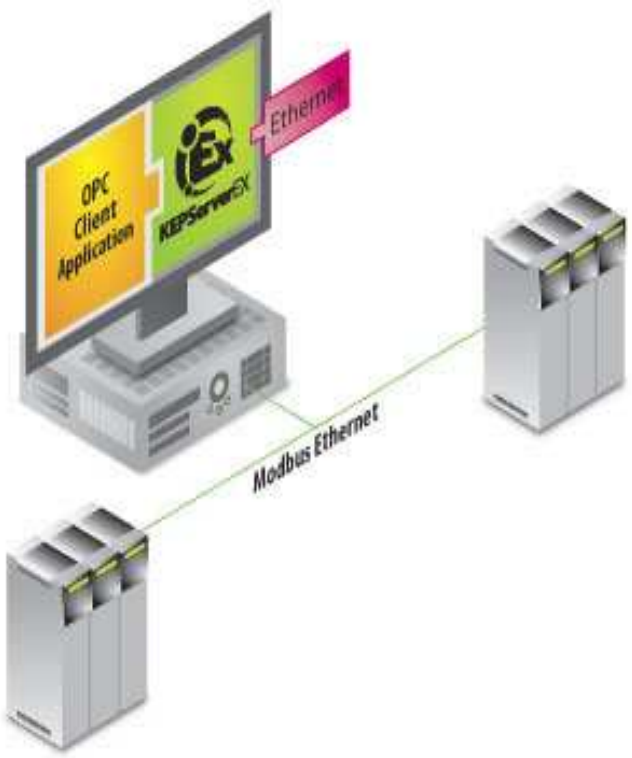
Modbus Ethernet OPC Server

Kepware's Modbus Ethernet device driver works in conjunction with our OPC Server KEPServerEX, to provide data exchange between OPC Clients and Modbus Ethernet protocol compliant PLCs. Kepware's implementation of Modbus Ethernet OPC Server supports master and slave operations simultaneously. The slave mode allows the server to receive data by exception from other Modbus Ethernet devices. KEPServerEX automatically optimizes your data acquisition based on client demand. Data integrity is ensured with our extensive error handling.



The Modbus Ethernet 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.

The Modbus OPC Server Suite includes:

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

The Modbus Ethernet OPC Driver is also included in the following:

- Building Automation Suite
- IT and Infrastructure Suite
- Manufacturing Suite
- Oil and Gas Suite
- Power Distribution Suite

Plug-in Driver Features:

- Automatic Tag Database Generation
- Supports Multiple PLCs via IP addressing
- Supports Modicon Ethernet to Modbus Plus bridging
- Supports Multiple or Single socket usage for better gateway resource management
- Supports Tag import from Concept and ProWORX programming packages
- Supports Memory Accesses to 65535
- Hex Addressing Support (0-FFFF)
- User Definable Read Block Sizes
- Adjustable Address Base (0 or 1)
- Word Order Swapping for Floating Point and Longs
- 0xxxx - Output Coils, 1xxxx - Input Coils, 3xxxx - Internal Registers, 4xxxx - Holding Registers
- All data types and arrays are supported

Protocol

- Modbus Ethernet

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

- Modbus Ethernet
- Mailbox - Consult your Modicon Documentation on the MSTR instruction for sending unsolicited requests to the Modbus Ethernet driver
- Fluenta FGM
- Roxar RFM
- Instromet

Additional Information and Resources:

- KEPServerEX OPC Server Features
- Modbus Ethernet Revision History
- KEPServerEX Revision History
- Connecting Visual Basic to Modbus Ethernet
- 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
- RedundavncyMaster OPC Redundancy Software
- Service Agreement and Support Program
- Service Agreement Pricing Options
- Legacy Pricing Policy

Drivers "Plug-in" to KEPServerEX

The Modbus Ethernet 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