1-207-775-1660

kepware TECHNOLOGIES
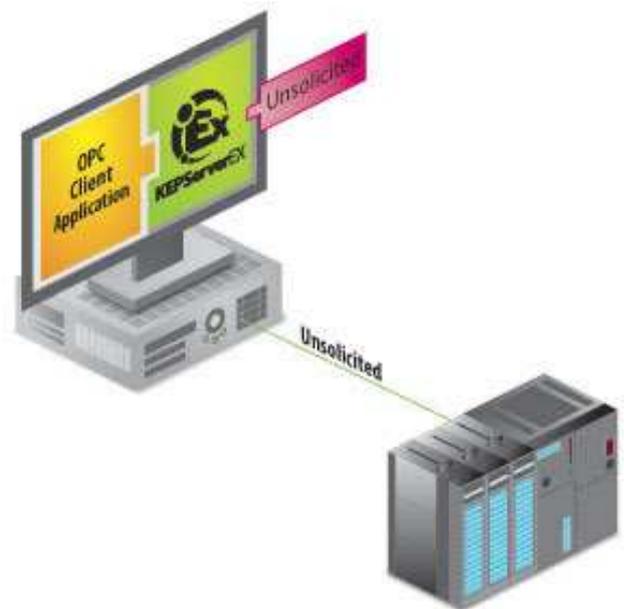"THE WORLD LEADER IN COMMUNICATIONS FOR AUTOMATION"

Siemens Unsolicited TCP/IP Ethernet OPC Server

The Siemens Unsolicited TCP/IP Ethernet Device Driver was designed specifically for use with KEPServerEX OPC Server.

This driver will act as a simulated Siemens PLC. It is intended for simulation of Siemens S7 300. Up to 256 virtual devices are supported. The mode of communications is S7 Messaging on Industrial Ethernet (ISO 8073 Class 0) over TCP/IP as defined in RFC1006. The driver requires no special libraries or hardware. A standard Ethernet card is all that is needed. Devices require specialized ladder programming to communicate with this driver (see Master Device Configuration).

The Siemens OPC Server Suite includes:

- Siemens S5 OPC Server
- Siemens S5 3964R OPC Server
- Siemens S7 200 OPC Server
- Siemens S7 TCP/IP Ethernet OPC Server
- Siemens S7 MPI OPC Server
- Siemens S7 Unsolicited Ethernet OPC Server

The Siemens S7 Unsolicited Ethernet OPC Driver is also included in the Manufacturing Suite.

Plug-in Driver Features:

- Supports 256 virtual devices
- Supported Commands: SFB14-GET, SFB15-PUT

Protocol

- S7 Messaging on Industrial Ethernet (ISO 8073 Class 0) over TCP/IP as defined in RFC1006

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

- Simulated S7 300 (Slave)

Additional Information and Resources:

- KEPServerEX OPC Server Features
- Siemens TCP/IP Ethernet Unsolicited Revision History
- KEPServerEX Revision History
- Connecting VB to Siemens TCP/IP Ethernet Unsolicited
- 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
- Support and Maintenance Agreement
- Support and Maintenance Agreement Pricing
- Legacy Pricing Policy

Drivers "Plug-in" to KEPServerEX

The Siemens TCP/IP Ethernet Unsolicited 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

KEPServerEX