

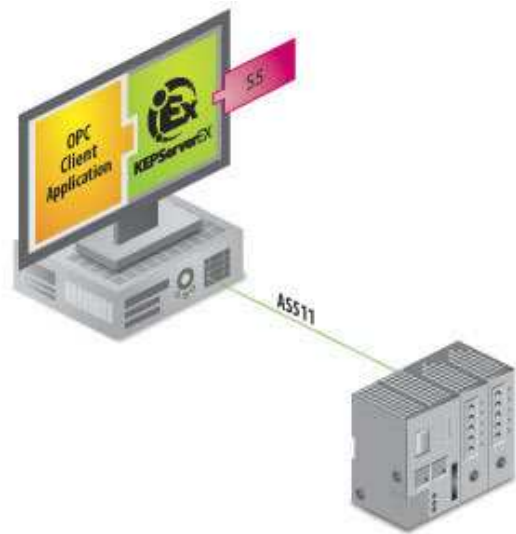


"THE WORLD LEADER IN COMMUNICATIONS FOR AUTOMATION!"

1-207-775-1660

Siemens S5 OPC Server

Kepware's **Siemens S5** device driver works in conjunction with our OPC Server [KEPServerEX](#), to provide data exchange between OPC Clients and Siemens S5 PLCs using AS511 protocol. The AS511 Protocol allows a direct connection to the programming port of the PLC. The programming port utilizes a Current Loop connection requiring the use of either the supplied programming cable or an external RS-232 to Current Loop converter. The Driver Manual contains a wiring diagram and recommendations for Current Loop converters. KEPServerEX automatically optimizes your data acquisition based on client demand. Data integrity is ensured with our extensive error handling.



The Siemens OPC Server Suite includes:

- Siemens S5 3964R OPC Server
- Siemens S7 200 OPC Server
- Siemens S7 200/300/400/1200 TCP/IP Ethernet OPC Server
- Siemens TCP/IP Unsolicited Ethernet OPC Server
- Siemens S7 MPI OPC Server
- Siemens S5 OPC Server

The Siemens S5 OPC Driver is also included in the Manufacturing Suite.

Plug-in Driver Features:

- Supports direct Peer-to-Peer Current Loop connection from PC serial port
- Supports Ethernet Encapsulation.

Note: While this driver does support Ethernet Encapsulation, tight timing requirements of this protocol may preclude the driver from working in all Ethernet network environments.

- Supports multiple PLC connections when using Ethernet Encapsulation
- Memory Types Supported: I, Q, F, T, C, and Data Block Access by named type
- All data types are supported

Protocol

- AS511 Current Loop

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

- Siemens S5 - 90U
- Siemens S5 - 95U
- Siemens S5 - 100U - 100
- Siemens S5 - 100U - 101
- Siemens S5 - 100U - 103
- Siemens S5 - 101U
- Siemens S5 - 115U - 941
- Siemens S5 - 115U - 942
- Siemens S5 - 115U - 943
- Siemens S5 - 115U - 944
- Siemens S5 - 115U - 945
- Siemens S5 - 135U - 921
- Siemens S5 - 135U - 922
- Siemens S5 - 135U - 928
- Siemens S5 - 155U - 946
- Siemens S5 - 155U - 947

Additional Information and Resources:

- KEPServerEX OPC Server Features
- Siemens S5 Revision History
- KEPServerEX Revision History
- Connecting Visual Basic to Siemens S5
- 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

Drivers "Plug-in" to KEPServerEX

The Siemens S5 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

