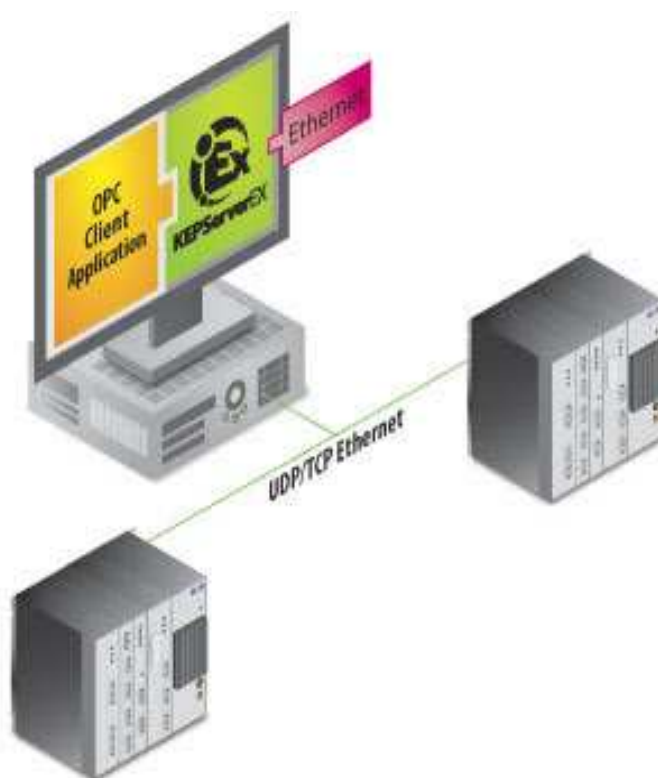




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Simatic 505 Ethernet OPC Server

Kepware's Simatic 505 Ethernet device driver works in conjunction with our OPC Server KEPServerEX, to provide data exchange between OPC Clients and CTI 2500 Series™ PLCs (using on-board Ethernet port) or Siemens Simatic 545/555 PLCs (using the 2572 / 2572-A / 505-CP2572 / 505-CP1434-TCP Ethernet interface). KEPServerEX automatically optimizes your data acquisition based on client demand. Data integrity is ensured with our extensive error handling.



The Simatic 505 OPC Server Suite includes:

- Simatic 505 Serial OPC Server
- Simatic 505 Ethernet OPC Server

The Simatic 505 Ethernet OPC Driver is also included in the Manufacturing Suite.

Plug-in Driver Features:

- Supports CAMP Protocol
- Supports UDP and TCP/IP
- Supports All PLC memory types including Drums, Alarms, and Loops
- Supports simultaneous device connections for improved performance
- Supports all data types
- Supports accessing V memory as string data with HiLo/LoHi byte ordering

Protocol

- User Datagram Protocol (UDP)
- Transfer Control Protocol (TCP)
- The driver requires Winsock V1.1 or higher

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

- **CTI 2500-Cxxx PLC** - via on-board Ethernet
- **TI 525** - via CP2572 Ethernet
- **TI 545** - via CP2572 and CP2572A Ethernet, CP1434-TCP
- **TI 555** - via CP2572 and CP2572A Ethernet, CP1434-TCP
- **TI 565** - via CP2572 and CP2572A Ethernet, CP1434-TCP

Additional Information and Resources:

- KEPServerEX OPC Server Features
- Simatic 505 Ethernet Revision History
- KEPServerEX Revision History
- Connecting Visual Basic to Simatic 505 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
- RedundancyMaster OPC Redundancy Software
- Service Agreement and Support Program
- Service Agreement Pricing Options
- Legacy Pricing Policy

Drivers "Plug-in" to KEPServerEX

The Simatic 505 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