



OPC UA Client Driver

KEPServerEX – Communications Platform

KEPServerEX and the OPC UA Client Driver are flexible and scalable solutions for connecting, managing, monitoring, and controlling automation devices. Client communications are managed through a robust platform that supports an array of open standards, proprietary communication protocols, APIs, and automation system interfaces. KEPServerEX improves operations and decision-making throughout all levels of an organization.

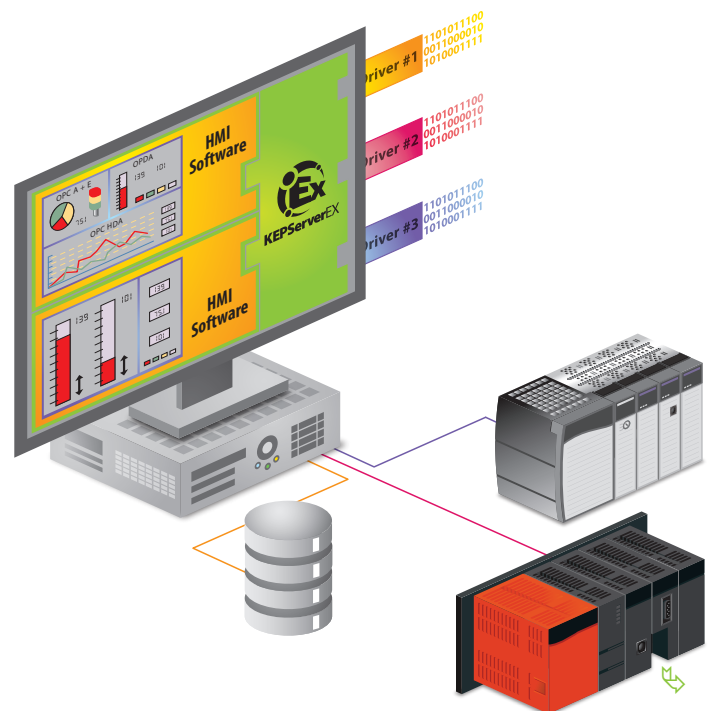
Driver Features

- Supports the OPC Unified Architecture Specification.
- Acts as a Tunneling Solution Between Servers, Connecting Two OPC Servers on the Same Network Through VPNs or Over the Internet.
- Supports the Following OPC UA Profiles: AddressSpace Lookup Client Facet, Attribute Read Client Facet, Attribute Write Client Facet, Core Client Facet, DataAccess Client Facet, Discovery Client Facet, UA-TCP, UA-SC, UA Binary, SecurityPolicy - Basic128Rsa15, SecurityPolicy - Basic256, and SecurityPolicy - None.
- Partially Supports the OPC UA Profile's Base Client Behavior Facet and DataChange Subscriber Client Facet.
- Supports User Authentication for Increased Security.
- Supports OPC Tunneling for OPC DA 1.0, 2.05a, and 3.0.
- Works within the Corporate Network, through Wide Area Networks, over VPNs, and through Firewalls.
- Provides Remote Access for OPC, Native Interfaces, and DDE Data Encryption via RSA Standards Endpoint Authentication through x509 Certificates.
- Supports Automatic Discovery of OPC UA Servers.
- Supports Automatic Tag Database Generation.
- Has the Ability to set OPC UA Server Priorities.
- Supports Poll or Report by Exception (On Data Change).

- Supports Endpoint Management of a Per Connection Basis.
- Has the Ability to Integrate Third-Party Server Data with All KEPServerEX Drivers.
- Supports Keep Alive and Watchdog Features to Ensure Reliable Connectivity.

Supported Protocol

- OPC UA v1.01 (Optimized Binary TCP).



Proven Interoperability

- 150+ Communication Drivers with More than 250 Unique Protocols.
- Supports Open Standard Interfaces:
 - DDE Formats: CF_Text, XL_Table, Advanced DDE, and Network DDE.
 - OPC Alarms and Events (OPC AE): 1.0 and 1.10.
 - OPC Data Access (OPC DA): 1.0a, 2.0, 2.05a, and 3.0.
 - OPC .NET: 1.20.2.
 - OPC Unified Architecture (OPC UA): 1.01.
 - Thin-Client Terminal Server: Windows Remote Desktop.
- Supports Native Vendor Interfaces:
 - Wonderware FastDDE & SuiteLink.
 - GE NIO for iFIX.
 - Oracle.
- Advanced OPC and Channel Diagnostics.

Centralized Communications

- Single Server Platform for All Communications.
- Consistent, User-Friendly Interface.
- Automatic Tag Generation.
- CSV Import/Export.
- Advanced Tags for Linking and Computations.
- Write Optimization and Error Recovery.
- Advanced User Management.

On-Demand Scalability

- Plug and Play Device Drivers and Communication Options.
- Parallel Configuration and Live Operation via Separate Configuration and Runtime.
- Multi-Threaded Channel Architecture.

Industrial Strength

- OPC Certified Compliance.
- Strict Internal Quality and Control Standards.
- Endorsed by 15 Top OEMs.

Requirements

Supported Operating Systems

- Windows 7
- Windows Server 2008
- Windows Vista Business/Ultimate
- Windows Server 2003 SP2
- Windows XP SP2

Minimum PC Hardware Requirements

- 2.0 GHz Processor.
- 1 GB installed RAM.
- 180 MB available disk space.
- Ethernet Card.
- Super VGA (800x600) or Higher Resolution Video.

About Kepware

Kepware Technologies, established in 1995, develops a wide range of communication and interoperability software solutions for the Automation industry. Our reliable, user-friendly, high-performing applications connect disparate software and hardware systems. Communications are managed through robust software platforms that support an array of open standards, propriety communication protocols, APIs, and automation systems' interfaces. We strive to deliver ideal-fit solutions that are designed and tested to meet the demands of industrial automation applications. Our quality software applications improve operations and decision-making throughout all levels of an organization. Kepware Technologies' mission is to become "Your Standard for Connectivity."

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