

# KEPServerEX® Connectivity Platform

Trusted in more than 75,000 sites world-wide, KEPServerEX provides a single source of industrial data to all automation devices, machines, and software applications. With built-in security, scalability, and a library of more than 150 drivers and advanced plug-ins, KEPServerEX has the flexibility to overcome any data connectivity challenge.

KEPServerEX leverages both OPC and IT-centric communication protocols to enable monitoring and control applications, as well as industrial IoT, Industry 4.0, and enterprise digital transformation initiatives. With IoT-ready features and seamless connectivity to legacy devices, KEPServerEX enables real-time data visibility for improved decision-making from the shop floor to the top floor.

## Device Connectivity

- Top hardware vendors like Allen-Bradley, Siemens, Omron, Schneider, Mitsubishi, GE, and many others
- Industry standard protocols, such as MTConnect, BACnet, IEC 61580/60870, and EUROMAP 63
- Legacy and modern sensors through MQTT and Modbus

## OPC Specifications

- OPC Unified Architecture (UA)
- OPC Data Access (DA)
- OPC .NET
- OPC Historical Data Access (HDA)
- OPC Alarms and Events (AE)

## IT Standards

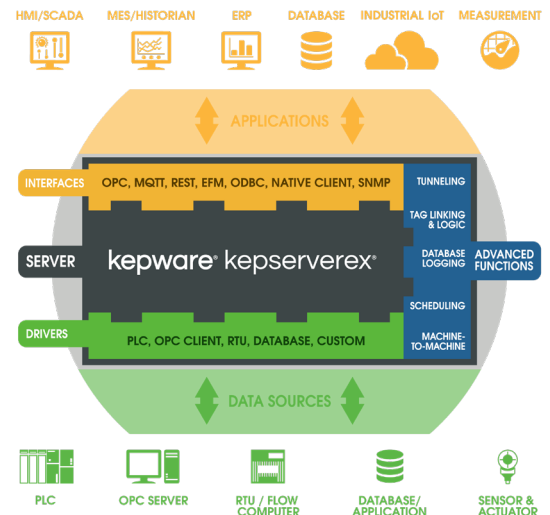
- Message Queuing Telemetry Transport (MQTT)
- Representational State Transfer (REST)
- Open Database Connectivity (ODBC)
- Simple Network Management Protocol (SNMP)

## Application Interfaces

- Dynamic Data Exchange (DDE)
- Wonderware SuiteLink/FastDDE
- iFIX and iFIX Process Database (PDB)

## Benefits

- **Interoperability:** Alleviate compatibility concerns during SCADA, MES, Historian, Industrial IoT, Industrie 4.0 or other implementations via connectivity to nearly any industrial device
- **Ease of use:** Create a single point of entry to all industrial information, eliminating the need to purchase, operate, troubleshoot and maintain multiple disparate solutions for discrete connectivity
- **Security:** Enhance cybersecurity by converting insecure protocols to secure protocols and offering a variety of tools that provide granular user access to industrial data
- **Scalability:** Scale to meet connectivity needs of the entire enterprise and enable your organization to seamlessly add new applications or devices



## Future-Proof Your Industrial Data

- Azure and AWS connectivity via MQTT
- Native integration with the ThingWorx Industrial Innovation platform
- Secure data transfer with robust encryption
- User access tools to restrict access or enable "read only" access

Visit [www.kepware.com](http://www.kepware.com) to learn more and download a free demo.

## Contact Information

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# Breadth of Connectivity

With support for both legacy and IoT-ready technology, Kepware solutions are key components of any smart, connected operation.

**KEPServerEX**—the industry-leading data connectivity platform—is extensible via more than 150 drivers and advanced plug-ins. Each is designed to overcome unique industry challenges and extend the capabilities of KEPServerEX to better suit your needs.

**Kepware drivers** are software components that enable KEPServerEX to connect to specific devices, systems, or other data sources. Drivers handle all proprietary communications to the data source for KEPServerEX. Kepware offers the broadest range of drivers available, supporting a variety of current and legacy devices and wired and wireless networks.

**Kepware advanced plug-ins** fit the data connectivity requirements unique to your industrial control system. They extend the capabilities of KEPServerEX and increase the usefulness of raw data by transforming it into accessible and actionable information.

## Product Features

KEPServerEX provides the global connectivity, usability, and performance required by the enterprise—enabling improved decision making from the plant floor, to IT, to the boardroom.

- Scalable unified architecture, providing the flexibility to combine drivers and consume multiple protocols in a single server
- Industry-leading reliability, tested by independent organizations
- Multiple redundancy options to ensure resiliency, high-reliability, and uptime in critical applications
- Enhanced messaging security via TLS for secure, authenticated, and encrypted communications across various network topologies
- Simulation options for testing prior to deployment, and rich event logging and diagnostics for easy troubleshooting
- Single point of access for data, streamlining maintenance, configuration, and troubleshooting
- Automatic tag generation and device discovery for rapid project deployment
- Configuration API for enterprise management of one or more servers
- Compatible with leading hypervisors, such as VMware and Hyper-V, for deployment on public and private clouds
- Integrates with IT applications for visibility into operational assets at any time from any location
- IoT-ready, interfacing with on-premise web servers and off-premise Cloud applications for real-time insight into industrial operations
- Enables Machine-to-Machine (M2M) linking between homogenous and heterogenous systems



## Support Program

Kepware's award-winning support keeps your critical automation projects performing at an optimum level. Support & maintenance is available for all Kepware products.

## Monitor Multi-Site Deployments

With the ThingWorx Controls Advisor App, users can seamlessly monitor multi-site KEPServerEX deployments from anywhere. Receive alerts and updates when servers or devices stop communicating, and monitor all of your deployments from a single pane of glass.

## Supported Operating Systems

- Windows Server 2016, 2012 and 2012 R2, 2008 R2
- Windows 10 and 8
- Windows 7 Ultimate, Enterprise, and Professional

## System Requirements

- 2.0 GHz processor
- 1 GB installed RAM
- 180 MB available disk space
- Ethernet card
- Super VGA (800x600) or higher resolution video

## Available Languages

- English
- German
- Japanese
- Simplified Chinese

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