



THINGWORX KEPCWARE

Kepware's software solutions connect diverse automation devices and software applications and enable the Industrial Internet of Things.

Kepware's flagship product, KEPServerEX, is the industry's leading connectivity platform that leverages OPC and IT-centric communication protocols to provide a single source of industrial automation data to all of your applications. Its platform design allows you to connect, manage, monitor, and control diverse automation devices and software applications through one intuitive user interface.



Manufacturing Suite for KEServerEX®

The Manufacturing Suite for KEServerEX contains the largest collection of manufacturing-based device drivers available, including more than 100 protocols commonly used in the Manufacturing Industry. It enables connectivity to a wide variety of plant floor devices, including read/write transactions. The Manufacturing Suite fully integrates data into HMI, SCADA, MES, Historian, and ERP systems—so you can manage, monitor, and control critical production, facility, and infrastructure data through one standardized communication layer.

With seamless connectivity to a wide range of machinery, automation devices, and applications, the Manufacturing Suite improves data communications, enhances productivity, and increases performance across even the most complex manufacturing ecosystem.

Performance

- Seamless connectivity to leading automation equipment manufacturers, including Rockwell Allen-Bradley, GE, Mitsubishi, Omron, Schneider Electric, Siemens, and more
- Supports common open standards, such as Modbus, Torque Tool, MTConnect, OPC DA, OPC UA, OPC AE, OPC HDA, and more
- Connectivity to software applications (such as HMI, SCADA, MES, and ERP), database applications (such as SQL, Access, and Oracle), and IoT and Cloud applications (such as ThingWorx Industrial Innovation Platform and Splunk)
- Scalable to hundreds of protocols, thousands of devices, and millions of data points
- Secure, authenticated, and encrypted communications from client to device across various network topologies
- Flexible connectivity options with user-configurable and custom drivers

Representative List of Component Drivers

- Allen-Bradley
- Beckhoff
- Custom Interface (CID)
- Fanuc Focas
- GE
- Honeywell
- Mitsubishi

Representative List of Supported Protocols

- EtherNet/IP for Rockwell and Omron device models
- CODESYS Ethernet V2 and V3
- Siemens Industrial Ethernet
- Mitsubishi MELSEC/MC Protocol and Mitsubishi SLMP
- Modbus RTU, TCP, ASCII, and Plus
- OPC DA, OPC UA, and Dynamic Data Exchange (DDE)

Representative List of Supported Devices

- Allen-Bradley series
- GE 90-xx and RX3i
- Fanuc CNCs
- Mitsubishi iQ-R, iQ-F, A, and Q series
- Omron C and NJ series
- Siemens S5 and S7 devices

Supported Operating Systems

- Windows Server 2016
- Windows 10
- Windows Server 2012 R2 and 2012
- Windows 8
- Windows Server 2008 R2
- 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

Current Version

- 6

About Kepware

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Business Value

KEPServerEX provides the global connectivity, usability, and performance required by the enterprise—offering competitive benefits that can be experienced from the plant floor to IT to the boardroom.

- IoT-ready, interfacing with on-premise web servers and off-premise Cloud applications for real-time insight into industrial operations
- Compatible with leading hypervisors like VMware and Hyper-V for deployment on public and private clouds
- Integrates with IT applications for visibility into assets on the plant floor at any time and from any location
- Enhanced messaging security via SSL and TLS for secure, authenticated, and encrypted communications across various network topologies
- Advanced application security features to meet site security requirements
- Sophisticated access control to the server, data source, and data values
- Streamlined and reliable connectivity to OPC client applications, including HMI, SCADA, Historian, MES, ERP, and more
- Multiple redundancy options to ensure resiliency, high-reliability, and uptime in critical applications
- Scalable unified architecture, providing the flexibility to combine drivers and consume multiple protocols in a single server
- Streamlined interface for simple installation, configuration, maintenance, and troubleshooting

Visit Kepware online to learn more and download free, fully-functioning demonstration software.

Support

Kepware offers pre-sales consultations and a comprehensive service plan to support customers from purchasing to upgrading to troubleshooting. To learn more, please contact Kepware's Sales team.

Contact Information

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Kepware is a software development business of PTC Inc. located in Portland, Maine. Kepware provides a portfolio of software solutions to help businesses connect diverse automation devices and software applications and enable the Industrial Internet of Things. From plant floor to wellsite to windfarm, Kepware serves a wide range of customers in a variety of vertical markets including Manufacturing, Oil & Gas, Building Automation, Power & Utilities, and more. Established in 1995 and now distributed in more than 100 countries, Kepware's software solutions help thousands of businesses improve operations and decision making.

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manufs-ds-10-2017