

ThingWorx® Kepware® Server

Trusted in more than 75,000 sites world-wide, ThingWorx® Kepware® Server 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, ThingWorx Kepware Server has the flexibility to overcome any data connectivity challenge.

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)

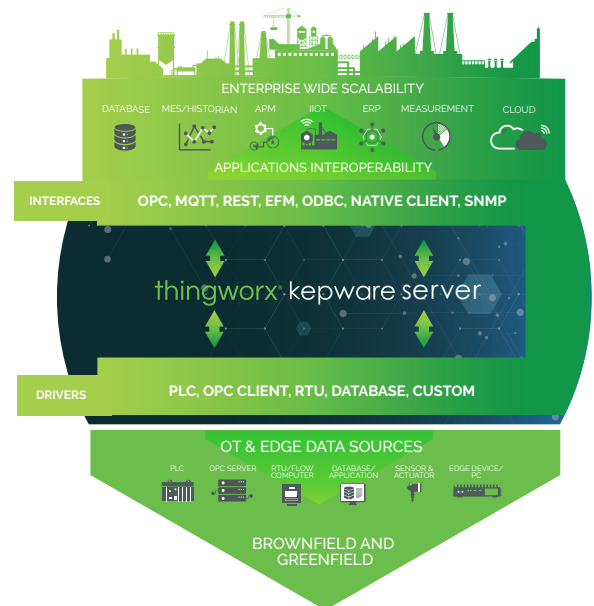
IT Standards

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

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 to learn more and download a free demo.



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

Contact Information

Phone: +1 888-KEPWARE (537-9273) x 208

Email: sales@kepware.com

Breadth of Connectivity

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

ThingWorx Kepware Server—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 ThingWorx Kepware Server to better suit your needs.

Kepware drivers are software components that enable ThingWorx Kepware Server to connect to specific devices, systems, or other data sources. Drivers handle all proprietary communications to the data source for ThingWorx Kepware Server. 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 ThingWorx Kepware Server and increase the usefulness of raw data by transforming it into accessible and actionable information.

Product Features

ThingWorx Kepware Server 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
- Active Directory Integration simplifies user management by allowing Kepware administrators to align with Enterprise IT for more streamlined access to the software.



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 ThingWorx Kepware Server 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 2019, 2016, 2012 and 2012 R2, 2008 R2
- Windows 7 Ultimate, Enterprise, and Professional
- Windows Server 2019
- Windows 10 IoT Enterprise

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
- Japanese
- German
- Simplified Chinese

© 2020, PTC Inc. (PTC). All rights reserved. Information described herein is furnished for informational use only, is subject to change without notice, and should not be taken as a guarantee, commitment, condition or offer by PTC. PTC, the PTC logo, Product & Service Advantage, Creo, Elements/ Direct, Windchill, Mathcad and all other PTC product names and logos are trademarks or registered trademarks of PTC and/or its subsidiaries in the United States and other countries. All other product or company names are property of their respective owners. The timing of any product release, including any features or functionality, is subject to change at PTC's discretion.

18327_ThingWorxKepwareServer_DS_0709