

ThingWorx[®] Manufacturing Apps

Controls Advisor

ThingWorx Controls Advisor is part of ThingWorx Manufacturing Apps—a set of role-based apps that enhance visibility, productivity, and machine performance across the factory floor. Controls Advisor connects to all instances of KEPServerEX[®] and enables controls engineers to remotely monitor, analyze, and troubleshoot machine connectivity in real-time. Controls Advisor also provides instant notification of data communication errors so users can proactively prevent unplanned downtime and increase productivity across the plant floor.

Built to overcome the unique challenges of controls engineers, Controls Advisor provides the right information to the right person at the right time—enabling data-driven decisions, without data overload.

Performance

- Receive instant text or email notification when a device or PLC stops communicating
- Connect to and monitor all OPC Servers, including KEPServerEX
- Visualize disparate assets across the plant floor on a single interface
- Remotely monitor trends, alarms, and diagnostics in real-time
- Remotely troubleshoot plant floor connectivity issues in real-time
- Create alarms and trends for any tag
- Easily trend tags in minutes
- Create custom alarms for tags
- View server status, device status, tag count, and client count on a single interface
- Seamlessly access the KEPServerEX Event Log

OPC Specifications

- OPC Unified Architecture (UA)
- OPC Data Access (DA)

Supported Operating Systems

- Windows Server 2016
- Windows Server 2012
- Windows Server 2008 R2
- Amazon EC2 Linux (64-bit)
- Red Hat Enterprise Linux (RHEL) 7 Update 1
- Ubuntu 14.04 LTS

System Requirements

- 4 Core CPUs
- 16 GB installed RAM
- 100 GB disk space
- 10000 RPM or SSD
- Ethernet card
- Super VGA (800x600) or higher resolution video

Prerequisite Software

- KEPServerEX version 6.2+ or OPC Server Aggregator
- .NET Framework version 3.5.1 or 4.5 installed and running

Available Languages

- English
- German
- Japanese
- Simplified Chinese

About ThingWorx® Manufacturing Apps

Built on ThingWorx, PTC's industry-leading IoT platform, this set of role-based apps provides users with unprecedented visibility into factory floor assets and real-time industrial data. The apps are fully web-enabled and accessible through any browser—so users can monitor, interpret, and act on data in real time.

Created to overcome the unique challenges of controls engineers, production managers, and maintenance engineers, ThingWorx Manufacturing Apps enable accelerated time-to-value for smart manufacturing initiatives. The user-friendly apps can be installed and configured in under an hour, with no impact to production. They can be seamlessly extended using ThingWorx Analytics and ThingWorx Studio.

Business Value

ThingWorx Manufacturing Apps provide the integrated visualization, usability, and performance required by manufacturing professionals—offering competitive benefits for improved productivity and performance across the plant floor.

- Native industrial connectivity and proven performance powered by Kepware
- Increased responsiveness to problems in production lines and assets
- Proactive prevention of unplanned downtime
- Optimized performance and increased production efficiency
- Real-time insights into server error, warning, and security events
- Efficient and timely root-cause analysis of connectivity issues
- Improved data-driven decision-making for optimized performance
- Reliable and robust data
- Continuous innovation through code-less app extensibility

Additional Information

For more information on technical specifications or to receive a pre-purchase consultation, please email sales@kepware.com or call +1 888-KEPWARE (537-9273) x208.

Visit ThingWorx Manufacturing Apps online at <https://www.ptc.com/thingworx/manufacturing-apps> to learn more and download free, fully-functioning software that can be installed and running in less than one hour.

ThingWorx is the only enterprise-ready technology platform that enables innovators to rapidly develop and deploy smart, connected solutions for the Internet of Things. The ThingWorx Technology Platform was built from the ground up for the Internet of Things. It contains the most complete set of integrated IoT-specific development tools and capabilities available, offering the industry's deepest functional capabilities. ThingWorx makes it easy to develop and deliver powerful IoT solutions that deliver transformative business value.

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. The platform design allows users to connect, manage, monitor, and control diverse automation devices and software applications through one intuitive user interface.

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