

Allen-Bradley Suite for KEPServerEX®

The Allen-Bradley Suite for KEPServerEX is a collection of Allen-Bradley drivers, bundled together for convenience. It supports communications to multiple protocol networks—seamlessly connecting Allen-Bradley PLCs and motion controllers to HMI/SCADA, MES/Historian, ERP, IoT, and custom OPC client applications.

Kepware maintains a longstanding relationship with Rockwell Automation. This ensures that KEPServerEX drivers remain compatible with legacy, current, and future Allen-Bradley equipment—as well as new firmware versions. As part of Rockwell Automation's PartnerNetwork Encompass Program, Kepware has a reputation for delivering products that provide the highest level of connectivity to the Rockwell Automation architecture.

Performance

- Multithreaded architecture capable of connecting thousands of channels and devices and millions of tags (1024 channels, 1024 devices per channel, and an unlimited number of tags per device in a single server install)
- Advanced performance and communication optimization through the support of Symbol Instance Addressing, a CIP message size of up to 4000 bytes, parallel device connections, CIP multi-request packets, array reads, and physical and symbolic protocol modes
- Solicited and unsolicited communications for flexible system designs
- Real-time Automatic Tag Generation from an online Logix controller for easy data discovery and integration
- Logix device routing for access to devices on ControlNet, DH+, EtherNet/IP, and other brokered network topologies
- Extensive error handling
- Rich device communication and server diagnostics

Component Drivers

- Allen-Bradley ControlLogix Ethernet
- Allen-Bradley ControlLogix Unsolicited
- Allen-Bradley Data Highway Plus
- Allen-Bradley DF1
- Allen-Bradley Ethernet
- Allen-Bradley Micro800 Ethernet
- Allen-Bradley Micro800 Serial
- Allen-Bradley Unsolicited Ethernet

Supported Protocols

- EtherNet/IP
- DF1 Full and Half Duplex
- DH+ and DH485
- ControlNet via Logix Routing
- Ethernet Encapsulation for Serial RS-232 protocols
- CIP over Ethernet (for Micro800 Series Ethernet devices)
- CIP over DF1 (for Micro800 Series Serial devices)

Supported Devices

- Allen-Bradley Logix Family: ControlLogix, CompactLogix, MicroLogix, FlexLogix, and SoftLogix
- Allen-Bradley Micro 800 Series
- Allen-Bradley PLC5 and SLC
- Allen-Bradley ENI modules for Logix, PLC5, and SLC
- Smart, Micro, and Hardbook SoftPLC
- For ControlLogix Unsolicited: ControlLogix devices using CIP Data Table Writes
- For Unsolicited Ethernet: Allen-Bradley PLCs programmed to send PLC-2 type commands

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

Current Version

- 6

Learn More

- Unlisted devices may also be supported; please contact Kepware.

About Kepware

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.

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
- 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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