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Omron Suite for KEPServerEX®

The Omron Suite is a collection of Omron drivers, bundled together for convenience. It enables data exchange between Omron industrial devices and industrial applications, such as HMI, SCADA, MES, custom applications, and IIoT platforms.

Kepware works closely with Omron — one of the largest global PLC suppliers, with controllers used across many industries worldwide — to ensure continued interoperability and support.

Performance

- Supports driver connectivity to dozens of Omron devices, including but not limited to those in the NJ, CJ, and CS controller series
- Seamlessly connects 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 the ThingWorx Platform and Splunk)
- Capable of automatic tag generation with the Omron NJ family of devices
- Supports all data types
- Supports built-in Ethernet Encapsulation via TCP/IP or UDP/IP for Serial protocols
- Scalable to hundreds of parallel and serialized device connections
- Provides FINS Gateway functionality for routing to Sysmac Link and Sysmac Net devices

Component Drivers

- Omron FINS Ethernet
- Omron FINS Serial
- Omron Host Link
- Omron NJ Ethernet
- Omron Process Suite
- Omron Toolbus

Representative List of Supported Devices

- Omron CJ and CS Series
- Omron C1000, C200, C200H, C20H and C500
- Omron E5AF-A, E5ASF-AH and E5AJ-A
- Omron E5AX-A, E5AX-AH, E5AX-DAA, E5AX-PRR, and E5AX-VAA
- Omron E5CN, E5GN, E5EJ-A and E5AX-A
- Omron NJ30, NJ50 and NX Series
- Omron QM1

Supported Protocols and Networks

- Omron FINS over Serial
- Omron FINS over UDP/IP
- Omron Host Link
- EtherNet/IP for Omron NJ
- Omron Toolbus
- Sysway

Supported Operating Systems

- Windows 11
- Windows Server 2022
- Windows 10
- Windows Server 2019 x64
- Windows Server 2016 x64
- Windows Server 2012 x64 R2
- Windows Server 2012 x64
- Windows 8 and Windows 8.1

Refer to server documentation for latest updated OS support.

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
- Simplified Chinese

Current Version

- 6

Learn More

- *Devices listed are representative; unlisted devices and protocols may also be supported. Please contact PTC for full technical details.*

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About Kepware

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

Kepware provides 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

Kepware 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 to 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 PTC 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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