

Modbus Suite for KEPServerEX®

The Modbus Suite for KEPServerEX is a collection of Modbus drivers, bundled together for convenience. It provides application access—including OPC data access—to Modbus-compatible devices, enabling users to easily configure fast and reliable Modbus connections. The Modbus Suite supports multiple Modbus protocols (including TCP, RTU, ASCII, and more) from a single license.

Used across many industries worldwide, Modbus is recognized as a simple and universal industrial automation communications protocol. Kepware's Modbus drivers support a wide variety of Modbus-compatible devices and models, and both client and server connections.

As a member of the Modbus Organization—an independent group dedicated to the adoption and evolution of Modbus protocols across multiple market segments—Kepware is committed to the continuous improvement of its Modbus solutions. Kepware's Modbus Suite is included in the Modbus Organization product database.

Performance

- Provides OPC data access
- Supports high-performance Ethernet Encapsulation for using Modbus serial protocols over an Ethernet-to-Serial converter
- Supports both client and server connections
- Provides adjustable coil and register blocking options
- Includes zero-based and one-based addressing
- Provides byte order swapping (Modbus or Intel) capabilities
- Includes hold register bit mask writes
- Supports common Modbus variants for flow computers
- Includes Modbus TCP Framing for the Modbus Serial driver
- Supports Modbus TCP-enabled and UDP-enabled devices
- Incorporates a multi-threaded design for Windows sockets

Component Drivers

- Modbus ASCII
- Modbus Ethernet
- Modbus Plus
- Modbus Serial
- Modbus Server Serial

Supported Devices and Networks

- TCP/IP Ethernet (Client/Server)
- RS-232 and RS-485 Serial (Client/Server)
- Modicon
- Enron
- Omni
- Daniel / Instramet
- Dynamic Fluid Meters
- Roxar RFM
- Mailbox
- Elliot
- Fluenta FGM
- DGH DAQ

Supported Operating Systems

- Windows 10 x64 (Pro and Enterprise Edition)
- Windows 10 x86 (Pro and Enterprise Edition)
- Windows 10 (IoT Enterprise Edition)
- Windows Server 2019 x64
- Windows Server 2016 x64
- Windows Server 2012 x64 R2
- Windows Server 2012 x64
- Windows Server 2022
- Windows 11

System Requirements

- 2.0 GHz Processor
- 1 GB installed RAM (defer to the suggestion for the OS)
- 600 MB available disk space
- Ethernet card
- Super VGA (800x600) or higher resolution video

Available Languages

- English

Current Version

- 6

Learn More

- *Unlisted devices and protocols may also be supported; please contact Kepware, PTC, Inc.*
- *Refer to the driver product manuals for additional details.*
- *The drivers included in this suite do not support historical archives. To learn more, please refer to the Enron Modbus product manual.*

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 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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