



OMNI Flow Computer

KEPServerEX – Communications Platform

The OMNI Flow Computer Driver for KEPServerEX provides the ability to communicate with the OMNI 3000 and 6000 family of flow computers. The communications driver supports both real-time communications and Electronic Flow Measurement (EFM) for historical data. For real-time only communications, it can be purchased individually or as part of the Oil and Gas Suite. For applications requiring EFM and real-time communications, it can be purchased as part of the EFM Suite. EFM capabilities include scheduling and exporting EFM History, Batch, Liquid Product, Alarms, and Events data to industry-standard and custom formats.

Driver Features

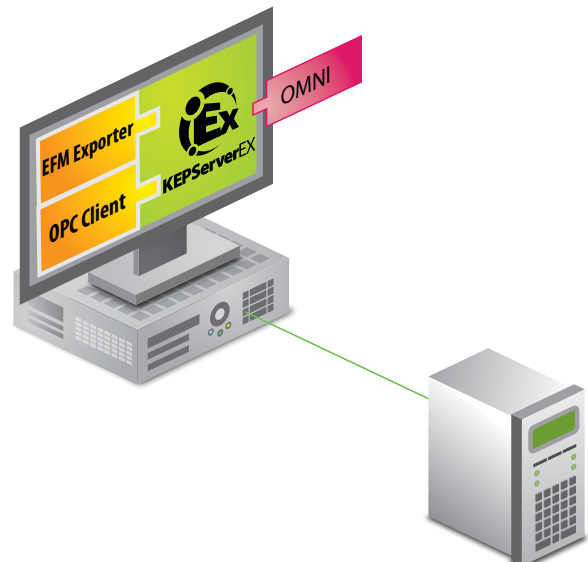
- OMNI Security with Password Protection
- Support for Gas and Liquid Electronic Flow Measurement (EFM)
- EFM Configuration and Mapping, including History (with hourly and daily Gas Chromatograph data), Batch, Liquid Product, Alarms, and Events
- Supports Archive Access Methods 1 & 2
- Supports Ethernet Encapsulation
- User-definable Read Block sizes with on-the-fly configuration
- Modem support, including:
 - Automatic dial configuration
 - Multiple phone number management
- Adjustable RTS Flow timing for Radio Modems
- String support
- Communication Serialization
- Scan mode for controlling client polling
- Device auto-demotion
- Time Synchronization
- Media Level Redundancy

Protocol

- Modbus RTU

Application Support

- OPC Data Access (OPC DA) Versions 1.0a, 2.0, 2.05a, 3.0
- OPC Alarms and Events (OPC AE) Version 1.10
- OPC Unified Architecture (OPC UA) Version 1.01
- OPC .NET Service (OPC .NET) Version 1.00
- SuiteLink and FastDDE for Wonderware
- NIO Interface for iFIX
- DDE Format CF_Text and AdvancedDDE



Proven Interoperability

- 150+ Communication Drivers with More than 250 Unique Protocols.
- Supports Open Standard Interfaces:
 - DDE Formats: CF_Text, XL_Table, Advanced DDE, and Network DDE.
 - OPC Alarms and Events (OPC AE): 1.0 and 1.10.
 - OPC Data Access (OPC DA): 1.0a, 2.0, 2.05a, and 3.0.
 - OPC .NET: 1.20.2.
 - OPC Unified Architecture (OPC UA): 1.01.
 - Thin-Client Terminal Server: Windows Remote Desktop.
- Supports Native Vendor Interfaces:
 - Wonderware FastDDE & SuiteLink.
 - GE NIO for iFIX.
 - Oracle.
- Advanced OPC and Channel Diagnostics.

Centralized Communications

- Single Server Platform for All Communications.
- Consistent, User-Friendly Interface.
- Automatic Tag Generation.
- CSV Import/Export.
- Advanced Tags for Linking and Computations.
- Write Optimization and Error Recovery.
- Advanced User Management.

On-Demand Scalability

- Plug and Play Device Drivers and Communication Options.
- Parallel Configuration and Live Operation via Separate Configuration and Runtime.
- Multi-Threaded Channel Architecture.

Industrial Strength

- OPC Certified Compliance.
- Strict Internal Quality and Control Standards.
- Endorsed by 15 Top OEMs.

Requirements

Supported Operating Systems

- ✓ Windows 8
- ✓ Windows 7 Professional/Enterprise/Ultimate
- ✓ Windows Server 2012
- ✓ Windows Server 2008 and 2008 R2
- ✓ Windows Vista Business/Enterprise/Ultimate
- ✓ Windows Server 2003 SP2
- ✓ Windows XP Professional SP2

Minimum PC Hardware Requirements

- ✓ 2.0 GHz Processor.
- ✓ 1 GB installed RAM.
- ✓ 180 MB available disk space.
- ✓ Ethernet Card.
- ✓ Super VGA (800x600) or Higher Resolution Video.

About Kepware

Kepware Technologies is a private software development company headquartered in Portland, Maine. Kepware provides a portfolio of software solutions to help businesses connect diverse automation devices and software applications. From plant floor to wellsite to windfarm, Kepware serves a wide range of customers in a variety of international vertical markets including Manufacturing, Oil & Gas, Building Automation, Power Distribution, 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.

Contact Information

Support

1 (207) 775-1660 x211
support@kepware.com

Sales

1 (207) 775-1660 x208
sales@kepware.com

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