WITS Level 0 Active OPC Server

KEPServerEX – Communications Platform

The WITS Level 0 Active driver for KEPServerEX is used to transfer wellsite data from one computer system (such as an Measurement While Drilling [MWD] device) to HMI, SCADA, and OPC Client applications. It allows exploration and production service and operating companies to monitor real-time data (such as compass direction, borehole pressure, temperature, vibration, shock, torque, and more).

Driver Features

- Supports up to 256 channels.
- Supports a single device per channel (peer to peer).
- Supports all Pre-Defined WITS Records.
- Supports Undefined WITS Records.
- Supports the following data types: Short, Long, DWord, Float, and String.
- Supports WITS Record-based address syntax.
- Has Read and Write capabilities.
- Supports Ethernet Encapsulation.

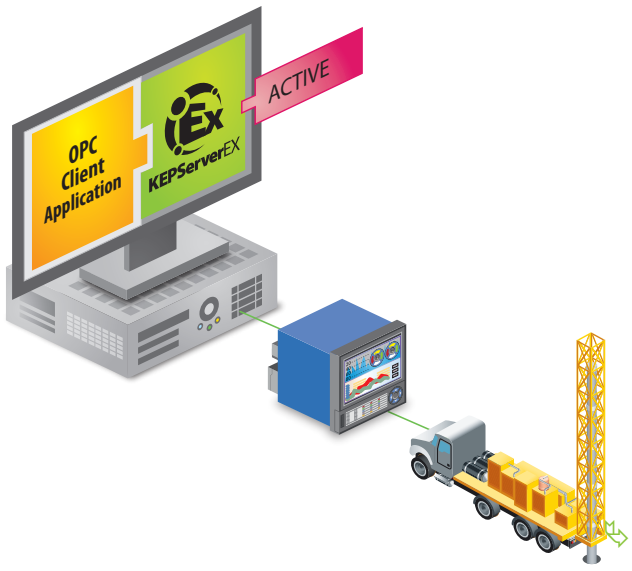
Supported Devices

Supports MWD and other intergrated systems:

- Anadrill
- APS Technology SureShot
- Baker Hughes
- BlackStar Electromagnetic Tools
- Canrig Rigwatch
- Departure Energy Services MWD
- Dynamic Drilling Systems
- Erdos Miller
- EPOCH Rigwatch
- Extreme Engineering
- Forerunner Technology Drilling Sensors
- Geospect Instruments
- GeoSteering RIGCOMMS
- iBall Instruments Bloodhound
- Mudlogging Systems MControl
- NOV Amphion Rig Tool Controllers
- NOV RigSense
- Pason - EDR
- NOV RigSense
- Pason - EDR
- Schlumberger MWD and PowerDrive RSS (via MAXWELL software)
- TookeDAQ
- Weatherford

Supported Protocols

- Wellsite Information Transfer Specification (WITS) Active.
- Level 0 (which is also known as Intra Rig Transfer Specification).



Kepware

KEPServerEX

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 7
- ☑ Windows Server 2008
- ☑ Windows Vista Business/Ultimate
- ☑ Windows Server 2003 SP2
- ☑ Windows XP 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, established in 1995, develops a wide range of communication and interoperability software solutions for the Automation industry. Our reliable, user-friendly, high-performing applications connect disparate software and hardware systems. Communications are managed through robust software platforms that support an array of open standards, propriety communication protocols, APIs, and automation systems' interfaces. We strive to deliver ideal-fit solutions that are designed and tested to meet the demands of industrial automation applications. Our quality software applications improve operations and decision-making throughout all levels of an organization. Kepware Technologies' mission is to become "Your Standard for Connectivity."

Contact Information

Support
1 (207) 775-1660 extension 211
support@kepware.com

Sales
1 (207) 775-1660 extension 208
sales@kepware.com

SKU: *WITSACTV-2SD-SS-LT-6-2012*