IEC 61850 MMS Client Driver

KEPServerEX – Communications Platform

Kepware's IEC 61850 MMS Client Driver for KEPServerEX connects to electrical substation equipment that supports the IEC 61850 Manufacturing Message Specification (MMS). The IEC 61850 MMS Client Driver works in conjunction with KEPServerEX to provide connectivity and communications with HMI, SCADA, and Historian client applications.

Driver Features

- Solicited data access through Manufacturing Message Specification (MMS) Read and Write requests

- Unsolicited data through MMS Information Reports

- Support for Automatic Configuration, including:

  - Import from SCL File

  - Import directly from the device

- Support for auto enabling/disabling Report Control Blocks (RBC)

- Support for polling and poll schedules

- Support for buffered report and poll data

- Support for Object Blocking

- Device auto-demotion

- Media Level Redundancy

Protocol

- IEC 61850

  - Manufacturing Message Specification (MMS)

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

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 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.

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Collateral ID: *61850-SS-LT-02-2014*