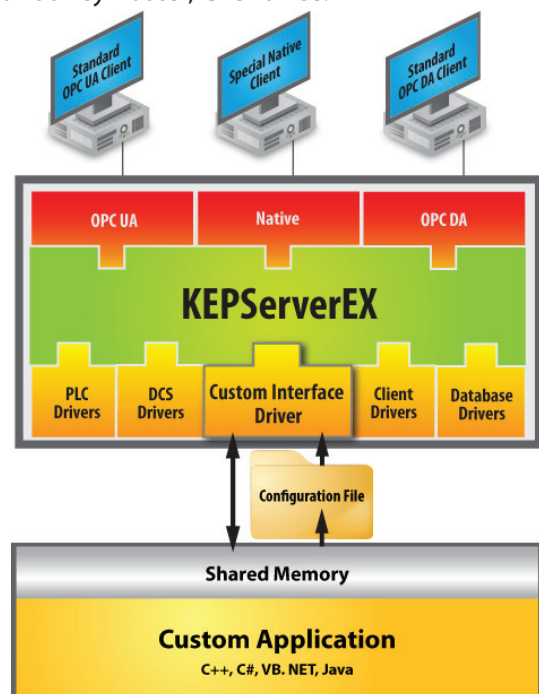# Custom Interface Driver (CID)

KEPServerEX – Communications Platform

Custom Interface Driver (CID - Patent Pending) is the ideal solution for quickly and easily adding proven interoperability to any of your custom integration projects, from small applications with one deployment to the delivery of professionally packaged WORD for industry wide deployment. The Custom Interface Driver is an additional interface to KEPServerEX (like a communications driver) that enables easy, secure, and reliable communications between KEPServerEX and your CID-compliant software solution (the CID Application). The CID allows data to be delivered through KEPServerEX, which then treats your information as it does other data. KEPServerEX delivers your data through its wide range of client interfaces, including certified standards like OPC and native interfaces for companies like Oracle, Wonderware, GE Intelligent Platforms (GE Fanuc), and others. Now, leading Third-Party solutions can interface with and control your CID Application through interfaces that are delivered, proven, and supported by Kepware.

Driver Features

- Does Not Require Additional Toolkits.

- Supports Delivery of Data through the following Client Interfaces OPC, OPC-UA (Future), DDE, Oracle, Wonderware, GE Fanuc, and so forth.

- Supports Utilization of Shared Memory Standards and Constructs.

- Supports Mutex Locking for Memory Access.

- Supports Timeouts for Error Checking.

- Supports Max Processing Values to Avoid Excessive Blocking.

- Supports a Maximum of 2 Gigabytes of Shared Memory.

- Supports CID Process Coordination established through Handshakes.

- Supports Read Requests and Write Requests.

- Supports all Standard Data Types and Data Arrays, including Boolean, Byte, Character, Word, Short, DWord, Long, Float, Double, BCD, LBCD, Date, String, and Array.

- Relies on "Developer Known" Shared Memory Standards and Constructs.

- Supports XML-Based Memory Map Definition.

- Supports Auto-Configuration of the KEPServerEX Project by the CID Application and through XML File Import.

- Robust Tag Definition.

- Intergrates CID Application Error Codes with the KEPServerEX Error Log.

- KEPServerEX Integrated - CID Application Identification, Operation, Support, and Contact Information.

- DataLogger, Advanced Tags, LinkMaster, RedundancyMaster, Client Ace.

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: CUSTMDRV-2SD-SS-LT-6-2012