1-207-775-1660

Kepware TECHNOLOGIES

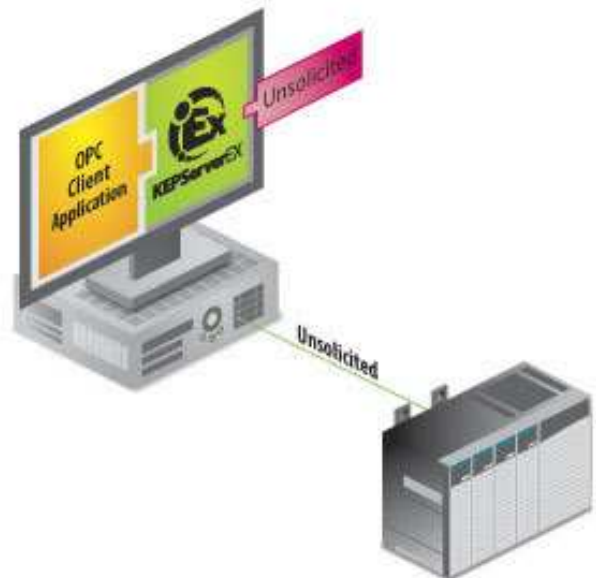"THE WORLD LEADER IN COMMUNICATIONS FOR AUTOMATION"

Allen-Bradley Unsolicited Ethernet OPC Server

Kepware's Allen-Bradley Unsolicited Ethernet device driver works in conjunction with our OPC/DDE Server, KEPServerEX to provide data exchange between OPC & DDE Clients and Allen-Bradley PLC-2 compliant PLCs via Ethernet. The Unsolicited driver allows an OPC client application to appear as 1 to 256 Allen-Bradley devices on the network. The slave mode allows the server to receive data by exception from an Allen-Bradley master. As with any slave device, the Allen-Bradley Unsolicited driver will only transfer data when being read or written by a master. KEPServerEX automatically optimizes your data acquisition based on client demand. Dataintegrity is ensured with our extensive error handling.

The Allen-Bradley Unsolicited Ethernet OPC Driver is also included in the Manufacturing Suite.

The Allen-Bradley OPC Server Suite includes:

- Allen-Bradley PLC5/SLC505 Ethernet OPC Server
- Allen-Bradley ControlLogix Ethernet OPC Server
- Allen-Bradley DF1 OPC Server
- Allen-Bradley Data Highway Plus OPC Server
- Allen-Bradley Unsolicited Ethernet

Plug-in Driver Features:

- Acts as a single simulated Allen-Bradley PLC-2
- Up to 256 devices may connect to the simulated PLC-2 at any time
- Sockets used by incoming connections are aged according to activity level
- All major memory and data types supported

Protocol

- Allen-Bradley Ethernet

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 Express Interface (OPC Xi) Version 1.00
- SuiteLink and FastDDE for Wonderware
- NIO Interface for iFIX
- DDE Format CF_Text and AdvancedDDE

Supported Devices

- Allen-Bradley PLC's programmed to send PLC-2 type commands. Devices need not be PLC-2's. Consult your hardware programming manual

Additional Information and Resources:

- KEPServerEX OPC Server Features
- Allen-Bradley Unsolicited Ethernet Revision History
- KEPServerEX Revision History
- Connecting Visual Basic to Allen-Bradley Unsolicited Ethernet
- System Requirements
- OPC Compliancy Testing
- KEPServerEX v5 Licensing
- Upgrade Pricing

Related Products:

- Manufacturing Suite
- LinkMaster OPC Bridging Software
- DataLogger Option for KEPServerEX
- Advanced Tag Option for KEPServerEX
- RedundancyMaster OPC Redundancy Software
- Support and Maintenance Agreement
- Support and Maintenance Agreement Pricing
- Legacy Pricing Policy

Drivers "Plug-in" to KEPServerEX

The Allen-Bradley Unsolicited Ethernet OPC Server is a plug-in device driver for KEPServerEX. A "Plug-in" is a software program (.dll) that extends the capabilities of KEPServerEX to fit the communication requirements of a specific device or system. The plug-in driver handles all of the proprietary communications between the device/system and the OPC layer, KEPServerEX. The KEPServerEX core then handles all OPC and Proprietary Client communications between the plug-in driver and the Client application. For a complete list of features and capabilities please visit the KEPServerEX overview page.

- OPC Foundation Certified - The Best of OPC on the Market
- High Performance - Multi Threaded - Runtime Configurable
- Detailed Protocol Diagnostics - Communications Trace
- Detailed OPC Diagnostics - Communications Trace
- Native Interfaces - Client Connectivity Beyond the OPC Standards
- Stratus High Availability Computing - Certified
- Marathon High Availability Computing - Certified
- Kepware 2 Hour Demonstration Mode on all Products