1-207-775-1660

kepware
TECHNOLOGIES
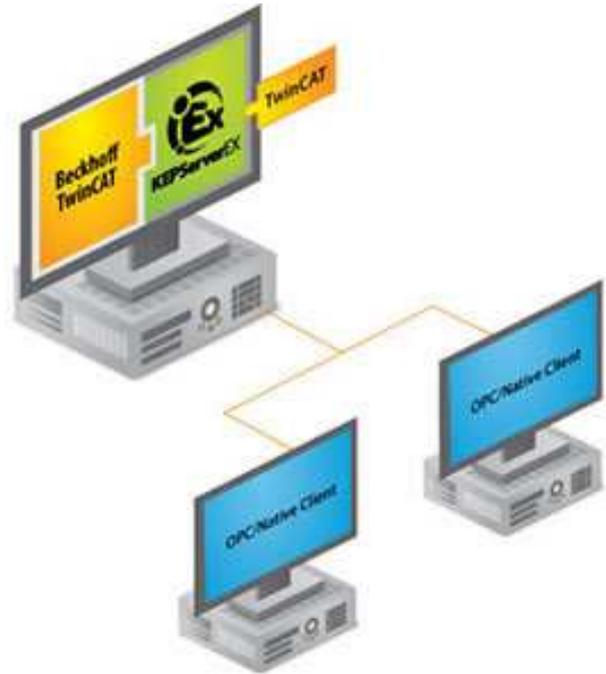"THE WORLD LEADER IN COMMUNICATIONS FOR AUTOMATION"

Beckhoff TwinCAT IO OPC Server

The Beckhoff TwinCAT IO driver for KEPServerEX provides an easy and reliable way to connect Beckhoff's TwinCAT software system to your OPC Client applications, including HMI, SCADA, Historian, MES, ERP, and countless custom applications.

The Beckhoff TwinCAT OPC Driver is also included in the Manufacturing Suite.

Plug-in Driver Features:

- Automatic Tag Database Generation Options- From Device or Import file (.tpy)
- Import TwinCAT variables and specified OPC Item Properties
- AMS Routing Support
- Symbolic Based Addressing
- Included TwinCAT Technical notes
- Maximum TwinCAT System Connections - 50,000 (100 channels, 500 per channel)

Protocol

- ADS API

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

- Beckhoff TwinCAT PLC
- BC9xxx Coupler Controller
- BX9xxx Coupler Controller

Additional Information and Resources:

- KEPServerEX OPC Server Features
- Beckhoff TwinCAT IO Revision History
- KEPServerEX Revision History
- Connecting Visual Basic to Beckhoff TwinCAT IO
- 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 AutomationDirect Productivity 3000 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

![KEPServerEX logo]