1-207-775-1660

Kepware
TECHNOLOGIES
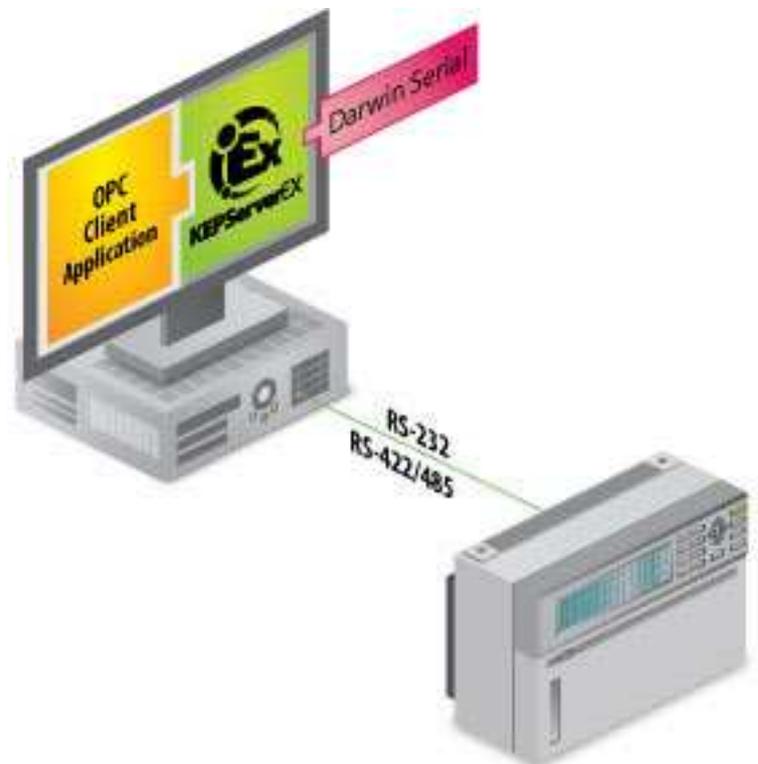"THE WORLD LEADER IN COMMUNICATIONS FOR AUTOMATION"

Yokogawa Darwin Serial OPC Server

Kepware's Yokogawa Darwin device driver works in conjunction with our OPC Server KEPServerEX, to provide data exchange between OPC Clients and Yokogawa Darwin Data Acquisition systems using either RS-232 or RS-422 serial communications. This driver has been optimized for serial communications with Darwin data sets. Modem operation is fully supported. Data integrity is ensured with our extensive error handling. The Darwin OPC Server supports the Automatic Tag Database Generation features of KEPServerEX.

The Yokogawa OPC Server Suite includes:

- Yokogawa CX OPC Server
- Yokogawa Darwin Ethernet OPC Server
- Yokogawa DX Ethernet OPC Server
- Yokogawa DXP Ethernet OPC Server
- Yokogawa DX Serial OPC Server
- Yokogawa HR 2400 Serial OPC Server
- Yokogawa MW OPC Server
- Yokogawa MX OPC Server
- Yokogawa Darwin Serail OPC Server

The Yokogawa Darwin Serial OPC Driver is also included in the Manufacturing Suite.

ViP Vendor Integrated Protocol

Yokogawa recognizes Kepware and KEPServerEX as their preferred communication company and OPC Server.

Plug-in Driver Features:

- Automatic Tag Database Generation
- Supports stations 1 to 31 in RS-422 mode
- Supports all system and configuration parameters
- Supports RS-232 or RS-422/485 Communications modules
- Supports Ethernet Encapsulation

Supported Devices

- DA100-1
- DA100-2
- DR131
- DR231
- DR232
- DR241
- DR242
- DC100-1
- DC100-2

Protocol

- This driver makes use of binary data formatting when reading information from Yokogawa devices

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

Additional Information and Resources:

- KEPServerEX OPC Server Features
- Yokogawa Darwin Serial Revision History
- KEPServerEX Revision History
- Connecting Visual Basic to Yokogawa Darwin Serial
- 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 Yokogawa Darwin Serial 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