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kepware TECHNOLOGIES

"THE WORLD LEADER IN COMMUNICATIONS FOR AUTOMATION"

GE Intelligent Platforms (GE Fanuc) Focas Ethernet OPC Server

Kepware's GE Intelligent Platforms (GE Fanuc) Focas Suite device drivers work in conjunction with our OPC Server KEPServerEX, to provide data exchange between OPC Clients and GE Focas CNCs. The GE Focas OPC Server also supports the unsolicited communications mode of the Fast Ethernet card. KEPServerEX automatically optimizes your data acquisition based on client demand. Data integrity is ensured with our extensive error handling.

Note: This driver uses and requires either the Focas 1 or the Focas 2 interface libraries available from GE Intelligent Platforms (GE Fanuc) for full online operation. The driver allows development of application without the library.

The GE Focas 1 OPC Driver is also included in the Manufacturing Suite.

ViP Vendor Integrated Protocol

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

Plug-in Driver Features:

- Supports GE Focas 1 Ethernet Interface library. (GE Fanuc part number A02B-0207-K732)
- Supports GE Focas 2 Ethernet and HSSB (High Speed Serial Bus) Interface library. (GE Fanuc part number A02B-0207-K737)
- Supports the PMC data area of the i series CNC controllers
- Supports Unsolicited data reporting

Note: The Focas lbraries must be purchased from GE Fanuc (call 800-GEFANUC, choose CNC, Parts to place your order.)

Protocol

- Ethernet
- HSSB (High Speed Serial Bus)

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

- FANUC Series 0i
- FANUC Series 15
- FANUC Series 15i
- FANUC Series 16
- FANUC Series 16i
- FANUC Series 18
- FANUC Series 18i
- FANUC Series 21
- FANUC Series 21i
- FANUC Series 30i
- FANUC Series 31i
- FANUC Series 32i
- FANUC Power Mate i
- Open Addressing

Note: The Focas libraries must be purchased from GE Fanuc (call 800-GEFANUC, choose CNC, PARTS to place your order.)

Additional Information and Resources:

- KEPServerEX OPC Server Features
- GE Focas Revision History
- KEPServerEX Revision History
- Connecting Visual Basic to GE Focas OPC Server
- 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 GE Focas 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