Omron Suite
SKU: KWP-OMRNF0-PRD

Component Drivers

- Omron FINS Ethernet
- Omron FINS Serial
- Omron Host Link
- Omron NJ Ethernet
- Omron Process Suite
- Omron Toolbus

Application Support

- OPC Data Access (OPC DA) Versions 1.0a, 2.0, 2.05a, and 3.0
- OPC Alarms and Events (OPC AE) Version 1.10
- OPC Unified Architecture (OPC UA) Version 1.01
- OPC .NET Service (OPC .NET) Version 1.00
- SuiteLink and FastDDE for Wonderware
- NIO Interface for iFIX
- DDE Format CF_Text and AdvancedDDE

Featured Suites

- Manufacturing Suite

Omron FINS Ethernet

Product Overview

The Omron FINS Ethernet driver works in conjunction with KEPServerEX to exchange data between OPC clients and Omron FINS protocol-compliant PLCs via UDP/IP. It also supports Sysmac Link operation for accessing additional PLCs via Sysmac Net. KEPServerEX automatically optimizes data acquisition based on client demand and ensures data integrity through extensive error handling.

Features

- Supports UDP/IP communications
- Supports FINS Gateway for Sysmac Link and Sysmac Net access
- Supports Auxiliary Relay

Protocols

- Omron FINS over Ethernet

Supported Devices

- Devices Supporting FINS protocol via Sysmac Way: Host Link Interface

Additional Tech Info

- Consult the manufacturer's website for a current list of models supporting Sysmac Way: Host Link Interface.

Omron FINS Serial

Product Overview

The Omron FINS Serial driver works in conjunction with KEPServerEX to exchange data between OPC clients and Omron FINS protocol-compliant PLCs via RS-232 or RS-422. It also supports Sysmac Link operation to access additional PLCs via Sysmac Net. KEPServerEX automatically optimizes data acquisition based on client demand and ensures data integrity through extensive error handling.

Features

- Supports FINS Gateway for Sysmac Link and Sysmac Net access
- Supports Ethernet Encapsulation
- Modem Support
    - Automatic dial configuration
    - Multiple phone number management

Protocols

- Omron FINS over Serial

Supported Devices

- Devices Supporting FINS protocol via Sysmac Way: Host Link Interface

Additional Tech Info

- Consult the manufacturer's website for a current list of models supporting Sysmac Way: Host Link Interface.

Omron Host Link

Product Overview

The Omron Host Link driver works in conjunction with KEPServerEX to exchange data between OPC clients and Omron Host Link protocol-compliant PLCs. KEPServerEX automatically optimizes data acquisition based on client demand and ensures data integrity through extensive error handling.

Features

- Supports Omron Host Link Multi-drop
- Supports character timing control for modem operation
- Supports the following Memory Types: AR, IR, HR, LR, DM, RC, and TC
- Supports all data types
- Supports Ethernet Encapsulation
- Modem Support
    - Automatic dial configuration
    - Multiple phone number management

Protocols

- Omron Host Link

Supported Devices

- C200
- C200H
- C500
- C1000
- C20H
- CQM1
- QM1
- OPEN

Omron NJ Ethernet

Product Overview

The Omron NJ Ethernet driver works in conjunction with KEPServerEX to manage communications between OPC clients and Omron Sysmac NJ EtherNet/IP PLCs via the EtherNet/IP protocol. It also supports Common Industrial Protocol (CIP) routing to access additional PLCs via EtherNet/IP without requiring the use of CX-Compolet. KEPServerEX automatically optimizes data acquisition based on client demand and ensures data integrity through extensive error handling.

Features

- Supports EtherNet/IP over TCP/IP
- Supports Common Industrial Protocol (CIP) routing from one Omron NJ device to another. Features a CIP-configurable packet size from 500 bytes to 1996 bytes per packet.
- Supports symbolic addressing of basic data types and structures. Supported data types include the following: BOOL, SINT, USINT, INT, UINT, DINT, UDINT, LINT, ULINT, REAL, LREAL, and String.
- Supports read blocking and multi-servicing of writes to arrays to optimize performance when reading and writing to multiple items within an array
- Supports Client Arrays for referencing contiguous array elements by the client
- Supports Automatic Tag Generation, featuring direct interrogation of the controller and the ability to map structured data on the controllers into multi-level tag groups within KEPServerEX
- Supports the reading of system variables defined on the controller
- Communicates directly with Omron Sysmac NJ devices over EtherNet/IP without any dependency on third-party products (such as Sysmac Gateway and CX-Compolet)

Protocols

- EtherNet/IP

Supported Devices

- Omron NJ301
- Omron NJ501
- CJ1W-EIP21

Additional Tech Info

SUPPORTED DEVICE DETAILS

- CJ1W-EIP21 supports routing through the CJ1W-EIP21 module to supported Omron Sysmac NJ devices.

Omron Process Suite

Product Overview

The Omron Process Suite driver works in conjunction with KEPServerEX to exchange data between OPC clients and Omron Temperature Controllers. KEPServerEX automatically optimizes data acquisition based on client demand, and data integrity is ensured with our extensive error handling.

Features

- Supports all data types
- Supports all memory types
- Supports Ethernet Encapsulation
- Supports RS-232 connection
- Modem Support
    - Automatic Dial Configuration
    - Multiple Phone Number Management

Protocols

- Sysway

Supported Devices

- E5AX-A
- E5AX-AH
- E5AX-DAA
- E5AX-PRR
- E5AX-VAA
- E5AF-A
- E5AF-AH
- E5AJ-A
- E5EJ-A
- E5CN - (platinum resistance thermometer)
- E5CN - (thermocouple)
- E5GN - (platinum resistance thermometer)
- E5GN - (thermocouple)

Omron Toolbus

The Omron Toolbus driver was designed to plug into our industrial-based communications platform KEPServerEX. It supplies reliable data access to any HMI, SCADA, Historian, or Enterprise application that supports OPC, DDE, FastDDE, and SuiteLink.

Features

- Supports Ethernet Encapsulation
- Modem Support
    - Automatic dial configuration
    - Multiple phone number management

Protocols

- Omron Toolbus

Supported Devices

- CJ1G
- CJ1M
- CS1G
- CS1H
- CJ1G-H
- CJ1H-H

Additional Tech Info

SUPPORTED DEVICE DETAILS

- **CJ1G-H**
    - CPU42
    - CPU43
    - CPU44
    - CPU45
- **CJ1H-H**
    - CPU65
    - CPU66
    - CPU67
- **CJ1M**
    - CPU11
    - CPU12
    - CPU13
    - CPU21
    - CPU22
    - CPU23
- **CJ1G**
    - CPU42
    - CPU43
    - CPU44
    - CPU45
- **CS1G**
    - CPU42
    - CPU43
    - CPU44
    - CPU45
- **CS1H**
    - CPU63
    - CPU64
    - CPU65
    - CPU66
    - CPU67