WindSRV Software

OPC Server for IDEC PLCs

Key Features
- On-line full time
- Support MicroSmart Pentra 32-bit and floating point
- Support Ethernet and modem communications
- Built-in Quick Client interface

A True Plug-and-Play OPC Server

Looking for a fast and flawless controls solution? Want your control systems centralized, easy-to-manage and able to take advantage of all the components you already have? WindSRV, also known as KEPServerEX, is an OPC server that provides direct connectivity between client applications and IDEC PLCs. It’s a true plug-and-play OPC Server with effortless data management, acquisition, monitoring and control.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>WINDSRV-1</td>
<td>Single device connection. One PLC can be connected to the server.</td>
</tr>
<tr>
<td>WINDSRV-4</td>
<td>Four device connections. Up to 4 PLCs can be connected to the server.</td>
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<tr>
<td>WINDSRV-U</td>
<td>Unlimited device connections. Up to 100 PLCs can be connected to the server.</td>
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Use Microsoft Excel

Using Microsoft Excel as Client Applications

Using Microsoft Excel, available on most PCs, customers can create a visual central monitoring station quickly and effectively. System status such as sensor inputs, motor outputs, etc. can be monitored and controlled. It’s a cost-effective, real-time central monitoring system that can be customized to your needs. With just KEP-ServerEX server and Excel, up to 100 PLCs can be monitored and controlled in real time.

Sample application using Microsoft Excel

Input and output status such as switches, sensors, flow meters, E-stops, motors, etc. can be monitored in real time.

Output devices such as motors and valves, can be controlled with just a single click.

Using the graph feature in Excel, users can create a custom presentation to monitor water tank levels or production counts. And that isn’t all, there is so much more you can do and create using Excel.
Easy to use and setup

It’s as simple as 1-2-3
KEPServerEX is designed to allow quick and easy configuration of your communications.

![Diagram of 1-2-3 steps](image)

Step 1
Select a driver
Each protocol or driver used in the KEPServerEX server and project is referred to as a channel. Channels are specific communication drivers such as RS232C, Ethernet or Dial-up modems. A project can consist of many channels.

Step 2
Specify the device
Configure the PLC you want to communicate with the server. KEPServerEX supports MicroSmart Pentra, MicroSmart, OpenNet controllers and even older FA and Micro3 series.

Step 3
Create tags
A tag is memory allocation in the PLC. You can monitor input, outputs, internal relays and data registers. You can also create a Tag Group that allows you to monitor each set of PLC parameters such as I/O status, alarm conditions, etc.
Quick Client

Once tags or tag groups are created in your project, click on the Quick Client icon to start monitoring these parameters. Quick Client is a quick way to determine if the server is connected to the PLCs.

Auto Demotion

This device allows a driver to temporarily place a KEPServerEX device off-line in the event that a physical device is not responding. By placing a non-responsive device off-line, the driver can continue to optimize communication with the device.

Tag Creation and Management

Tag Grouping, Drag and Drop editing and CSV Import/Export are basic features to make it easier for you to organize your next project. Another feature that you will find useful is Automatic Tag Database Generation. KEPServerEX supports automatic regeneration of tags for select communication drivers. Drivers that support this feature can either read tag information directly from a device or generate tags from stored tag data. You no longer need to enter OPC tags into the server.

On-Line Full-time

KEPServerEX is on-line all the time, allowing your application to be modified while the server is communicating with client applications. Almost all parameters can be changed while the server is running, including com port and baud rate configuration, along with tag editing and additions.

Supports MicroSmart Pentra 32-bit registers and floating point data

KEPServerEX version 5 now supports MicroSmart Pentra complete addressing, including 32-bit data and floating point data.