In-Rack PC with OPC Server

PC56-OPC

The PC56-OPC allows you to access data from a ControlLogix™ PLC directly across the backplane, and connect to an OPC Client.

The PC56-OPC is an industrial PC for the ControlLogix platform that provides high speed communication with both local and remote ControlLogix processors. The PC56-OPC allows users to communicate with ControlLogix processors in an efficient, distributed, and cost-effective fashion.

Features and Benefits

The PC56-OPC allows you to access tag data from the ControlLogix Controller to an OPC Server located on the PC56-OPC.

- Improved reliability and performance: No middleware between client software and ControlLogix hardware
- Easy Hardware Redundancy: Using two PC56-OPC, and then simply specifying two IP addresses for a very fast switching mechanism to support Redundancy.
- Communicates with the ControlLogix controller directly through the ControlBus backplane, which simplifies installation and improves performance.
- No modifications to the ControlLogix controller program are necessary.
- Supports multiple ControlLogix controllers.
- Supports both local (same rack as PC56-OPC) and remote (via 1756-ENET or 1756-CNET modules) controllers.
- Includes configuration tools. Tag scan rates can be individually configured for optimal performance.

General Specifications

- Communicates directly with the ControlLogix processor across the backplane for the most reliable data access.
- Plug and Play. Can be added to new or existing ControlLogix PLCs without changing the control application.
- Ability to read tags from networked processors.

How to Contact Us: Sales and Support

All ProSoft Technology products are backed with unlimited technical support. Contact our worldwide Technical Support team directly by phone or email:

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Languages spoken include: Portuguese, English
Functional Specifications
The PC56-OPC consists of:
- PC56 Industrial PC for the ControlLogix platform
- SMC (Management Console) for easily configuration
- OPC Server
- Windows XP Professional
- 4 GB Compact Flash Drive

Hardware Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU Processor</td>
<td>Embedded 500 MHz Processor</td>
</tr>
<tr>
<td>Memory</td>
<td>512 MB SDRAM System Memory, upgradeable to 1 GB</td>
</tr>
<tr>
<td></td>
<td>512 KB SRAM (Battery Backed)</td>
</tr>
<tr>
<td>Compact Flash</td>
<td>Compact Flash Type I or II socket</td>
</tr>
<tr>
<td>Ports</td>
<td>10/100T IEEE 802.3 Ethernet</td>
</tr>
<tr>
<td></td>
<td>Isolated Serial RS-232 / RS-422 / RS-485</td>
</tr>
<tr>
<td></td>
<td>(2) USB 2.0 / 1.1 High Speed Host</td>
</tr>
<tr>
<td>Connectors</td>
<td>VGA, 2 Ethernet, 2 USB</td>
</tr>
<tr>
<td>Battery</td>
<td>Rechargeable Lithium Vanadium Pentoxide</td>
</tr>
<tr>
<td>Jumpers</td>
<td>COM 1 Mode Selection</td>
</tr>
<tr>
<td></td>
<td>Battery Enable/Clear CMOS</td>
</tr>
<tr>
<td></td>
<td>Boot to SAFE STATE (default settings)</td>
</tr>
<tr>
<td></td>
<td>Hardware Debugger Support</td>
</tr>
<tr>
<td>Switches</td>
<td>Recessed Reset Switch</td>
</tr>
<tr>
<td>LED/Display</td>
<td>4-digit alphanumeric status display</td>
</tr>
<tr>
<td></td>
<td>3 Status LEDs</td>
</tr>
<tr>
<td></td>
<td>1 User LED</td>
</tr>
<tr>
<td></td>
<td>Red, Green, Off</td>
</tr>
<tr>
<td>Real-Time Clock</td>
<td>Precision RTC accurate to +/- 4 minutes per year</td>
</tr>
<tr>
<td>Timers</td>
<td>82C54 Timer Clock 14 MHz – Interrupt Interval 1.67619 US</td>
</tr>
</tbody>
</table>

Additional Products
ProSoft Technology offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

Ordering Information
To order this product, please use the following:

**PC56-OPC**
In-Rack PC with OPC Server

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft distributors near you, go to http://www.prosoft-technology.com

**Distributors:**
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