In-Rack Industrial PC for ControlLogix
PC56

- *HMI and SCADA integration*
- *IT Server applications -- Java, CGI, HTML, PHP*
- *Industrial WEB Server*
- *eDiagnostics*
- *Integrated Bar code Management System*
- *Relational Database Management with SQL*
- *OEM/User C/C++ application development*
- *Automated Process Quality and Optimization*
- *Data Historical and Analysis*

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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In-Rack Industrial PC

PC56

The PC56 is an industrial in-rack PC for the ControlLogix platform. Driven by a powerful 500MHz AMD processor, the module serves as a powerful platform for those applications requiring or benefiting from custom development. A direct connection to the ControlLogix backplane gives the PC56 read and write connectivity to the CLX 55XX processor data tables. This direct connection between the CLX data tables and the PC56's ability to support Serial, Ethernet, ControlNet and DeviceNet serial and Ethernet communications makes the PC56 an ideal solution for today's analytical and data centric applications. The PC56 is a high-performance tool capable of supporting those needing to meet today's IT and e-commerce requirements, or simply those that need a powerful processing engine to augment their ControlLogix solution.

Features and Benefits

- Supports several operating systems; Windows CE, XP
- Embedded 500MHz AMD processor
- Fanless for quiet operation
- 10/100 10-BaseT Ethernet
- Direct CLX processor read/write access
- Type II Compact Flash socket
- Stacking PCI Expansion Bus for high-speed connection to accessory modules
- Available PCE Expansion Modules (2)
  - o PCMCIA
  - o 40 GB IDE Drive

Key OEM Features

The PC56 has several key features designed specifically to allow OEMs to develop the high performance applications needed in industrial automation applications:

- High Precision Real Time Clock
- Applications can be secured to module type and/or to module serial number
- Auxiliary timer (CE only)
- PowerFail Monitor (Allows data storage to BBRAM)

Benefits

- Provides easy data collection connectivity
- Rigidly integrates traditional PLC and PC technology
- Integrates multiple vendor programs in a single chassis

- Enhances the control functions of the ControlLogix platform by adding the openness and processing power of the PC
- Meets net control and information automation requirements
- Perfect for tightly integrated OEM applications
- Meets new IT requirements

Hardware Specifications

Specification	Description
CPU Processor	Embedded 500 MHz Processor
Memory	512 MB SDRAM System Memory, upgradeable to 1 GB 512 KB SRAM (Battery Backed)
Compact Flash	Compact Flash Type I or II socket
Ports	10/100T IEEE 802.3 Ethernet Isolated Serial RS-232 / RS-422 / RS-485 (2) USB 2.0 / 1.1 High Speed Host
Connectors	VGA, 2 Ethernet, 2 USB
Battery	Rechargeable Lithium Vanadium Pentoxide
Jumpers	COM 1 Mode Selection Battery Enable/Clear CMOS Boot to SAFE STATE (default settings) Hardware Debugger Support
Switches	Recessed Reset Switch
LED/Display	4-digit alphanumeric status display 3 Status LEDs 1 User LED Red, Green, Off
Real-Time Clock	Precision RTC accurate to +/- 4 minutes per year
Timers	82C54 Timer Clock 14 MHz – Interrupt Interval 1.67619 US
Video	VGA 1920 x 1440 1280 x 1024 256 1024 x 768 56K 800 x 600 16 M 43 Hz Interlaced 56 through 85 Hz Refresh Rates

Environmental Specifications

Item	Specification
Temperature	Non-Operating: 0 to 80° C Operating: 0 to 60° C Note: Storage media may limit operating
Form Factor	Single-slot ControlLogix module
Power Ratings	10 W Max power consumption (Backplane powered)

Operating System

The PC56 modules are ordered and shipped with the selected operating system pre-installed on the module. Operating system versions are as follows:

- Windows XP
- Windows CE 5.0

Engineering Support

Prosoft Technology. can provide additional technical support to ease and expedite the development and implementation of applications on the PC56. This support is available by ordering the PC56 Developer's Support Kit. Contact the factory for additional information.

Additional Products

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

Visit our web site at http://www.prosoft-technology.com for a complete list of products.

Ordering Information

To order this product, please use the following:

PC56-CE	Module with WinCE on 32M Compact Flash
PC56-XP-IDE	Module with Windows XP on 40G IDE Drive-2 Module Set
PC56-XP	Module with Windows XP on 4G Microdrive™ Compact Flash

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

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