PRC1102/PEC3002

The Most Flexible Application for Half-size PICMG PCI SBC Systems

PRC1102

PRC1102 (19" 1U system) and PEC3002 (embedded system) are the newest designs for half-size PCI boards (ROBO616, ROBO626, ROBO636). Under consideration of both entry server and embedded systems demands, we designed a modularized mechanical, providing higher flexibility to both rack-mount and embedded applications. PRC1102 is for rack-mount application with 2 expansion slots available; PEC3002 is for embedded one with SBC board and devices only. It is well-shielded, well-cooled and user friendly, designed specially to withstand shocks, dust, humidity, trembling vibration and high operating temperature in the harsh environment.

Feature

High flexibility; multiple applications
1U form factor: when equipped with expansion slots;
Desk top application: when without expansion slots

Excellent thermal solution
3 system fans; passed 45°C bun-in test with Pentium® III processor up to 1GB

User Friendly
Two USB ports at the front panel for easy access; one built-in 125W power supply unit

Maximum configuration
Space for standard 3.5" HDD and 2 PCI slots

Environmental consideration
Fan filter for dustproof; grounding spot for EMI proof

Customized outlook with aluminum front door available

Detachable card cage design

Slim CD-ROM equipped

PEC3002

General

Construction	1mm heavy-duty steel
Device bays	- One slim CD-ROM
	- One 3.5" HDD bay
Cooling Fan	- Four 4cm fans for PRC1102
	-Three 4cm fans for PEC3002
Indicators and SW	One LED indicator for HDD, one reset SW, one power on/off SW
Connectors	Two front accessible USB ports
Backplane	ABP-03V2A, one PICMG, two PCI slots (for PRC1102 only)
Standard Color	Black
Dimension	196(W) x 262(D) x 196(H) mm; 7.72"(W) x 10.31"(D) x 7.72"(H)

Power Supply (ENP-0812)

Maximum Output	125W
Output Voltage & Current	+3.3V@7A, +5V@12A, +12V@3A, -5V@0.2A,
	-12V@0.3A, +5VSB@ 2A
Input Voltage	95 - 132V / 180 - 264V selectable
Input Frequency	47Hz - 63Hz
Input Current	4A max./115V, 2A max/230V
Efficiency	Min. 65%
MTBF Reliability	Min. 100,000 hrs at 25°C
Safety	UL/TUV/CE/CB/CSA

Environment

Operating Temperature Range	0 to +55°C
Storage Temperature Range	0 to +70°C
Relative Humidity	5 to 95% non-condensing

Ordering Guide

PRC1102-616
1U rack mount chassis w/ PCI slot x 2, CD-ROM, 125W power supply and ROBO-616

PEC3002-616
Half-size PCI embedded chassis w/ slim CD-ROM, 125W power supply and ROBO-616