

# PRC-1102/PEC-3002

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



PRC-1102

PRC-1102 (19" 1U system) and PEC-3002 (embedded system) are Portwell's newest designs for half-size PCI boards (ROBO-616, ROBO-626, ROBO-636). 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. PRC-1102 is for rack-mount application with 2 expansion slots available; PEC-3002 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 burn-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**



PEC-3002

## General

<b>Construction</b>	1mm heavy-duty steel
<b>Device bays</b>	- One slim CD-ROM - One 3.5" HDD bay
<b>Cooling Fan</b>	- Four 4cm fans for PRC-1102 - Three 4cm fans for PEC-3002
<b>Indicators and SW</b>	One LED indicator for HDD, one reset SW, one power on/off SW
<b>Connectors</b>	Two front accessible USB ports
<b>Backplane</b>	ABP-03V2A, one PICMG, two PCI slots ( for PRC-1102 only )
<b>Standard Color</b>	Black
<b>Dimension</b>	196(W) x 262(D) x 196(H) mm; 7.72"(W) x 10.31"(D) x 7.72"(H)

## Power Supply (ENP-0812)

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

## Environment

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

## Ordering Guide

### PRC-1102-616

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

### PEC-3002-616

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