



▲ PRC-1194

PRC-1194 is one member of Portwell's rack-mount family that supports Pentium® 4 processor based platform. It overcomes cooling and power problem of PRC-1173 with Pentium® SBC by utilize same design concept of PRC-1172.

Due to the high power consumption and the complicated cable routing within the chassis, it is difficult to integrate a Pentium® 4 processor based platform within 1U chassis. Based on the

successful design concept of PRC-1172, we cleared a room and created a dedicated cooling tunnel to get rid of thermal resistance, allowing smooth airflow.

PRC-1194 offers 2 PCI expansion slots, one NB CD-ROM, one NB floppy and two 3.5" hard drive bays for different applications and storage requirements.

Feature

- Single power supply with higher +12V output for Pentium 4 processor
- Cooling tunnel design for expiring heat generated by CPU
- Power cable routed beneath the cooling tunnel to avoid disturbance of air path
- Two PCI expansion slots for adding more functions to the system

General

Construction	Heavy-duty steel
Drive Bay	External: NB CD-ROM x1 (or equivalent CD-RW / DVD-ROM) + NB FDD x1 Internal: 3.5" HDD x2
Air Filter	N/A
Cooling Fan	Four 4 cm two ball-bearing fans
Indicator	Power on/off x1, HDD x1
Switch	Power on/off x1, System reset x1
Speaker	N/A
Connector	Two USB connectors on the front panel
Standard Color	Black
Dimension	480.4(W) x 432(D) x 44(H) mm ; 19"(W) x 17"(D) x 1.7"(H)
Weight	Net: 10 kg (22.05 lb) ; Gross: 13 kg (28.67 lb)
Backplane	PBP-03P2X: 3-slot (2xPCI) PICMG backplane

Environment

Operating Temperature Range	0 to +40°C
Storage Temperature Range	0 to +70°C
Relative Humidity	5% to 95%, non-condensing

Power Supply : ORION-A2501

Maximum Output	250W
Output Voltage & Current	+5V@25A, +3.3V@20A, +12V@12A, -5V@0.5A, -12V@1A, +5Vsb@1.5A
Input Voltage	90~264V AC, full range
Input Frequency	47 ~ 63 Hz
Input Current	6A max. @115V AC, 3A @230V
Efficiency	65%
MTBF Reliability	105,405 hrs
Certification	UL, cUL, TUV, CE, FCC

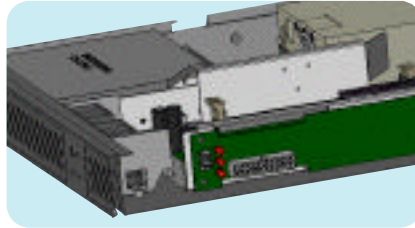
Feature	Benefits
<input type="checkbox"/> 250W PFC power supply	<input type="checkbox"/> Sufficient power source for Intel® Pentium® 4 processor
<input type="checkbox"/> Cooling tunnel design	<input type="checkbox"/> Better ventilation to enhance system reliability
<input type="checkbox"/> Wire routing under the fan module	<input type="checkbox"/> Avoid disturbance of air path for better ventilation
<input type="checkbox"/> Two PCI expansion slots	<input type="checkbox"/> For system function expansion

What's New



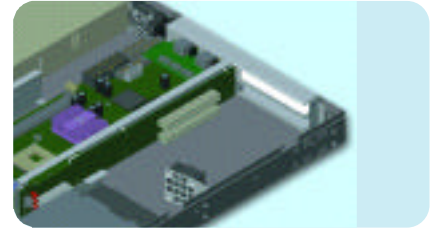
Cooling tunnel

Three cooling fans and one divider create a cooling tunnel, keeping smooth airflow



Wire routing

Power cable routed beneath the fan module to avoid disturbance of air path



PCI expansion

Two PCI expansion slots for adding more functions to the system



USB ports

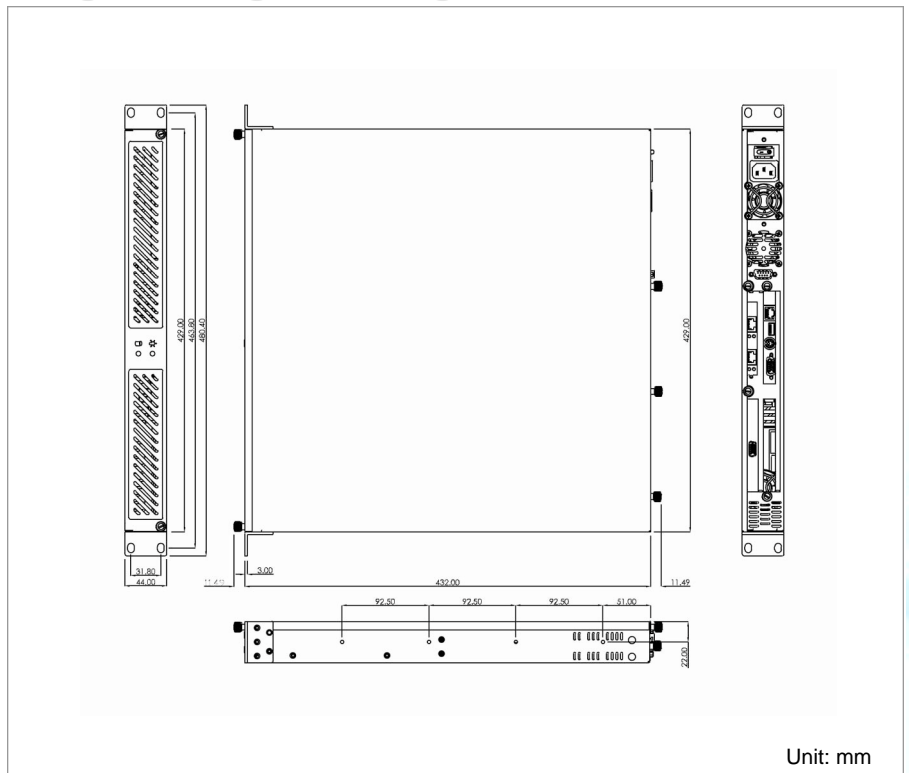
2 USB ports located at front for expansion for easy access

Ordering Guide

PRC-1194-03P2X-2501

19" 1U rack-mount chassis with 3-slot (2xPCI) PICMG backplane and 250W PFC power supply

Engineering Drawing



▲ PRC-1194 Rear View