

PRC-2204

19" 2U rack-mount Intel® Pentium® 4 processor based system platform



FEATURE

- Up to four PCI expansion slots
- One NB CD-ROM, one NB FDD and two 3.5" HDD drive bays
- Cooling tunnel design, between SBC and PSU, for expiring heat generated by CPU
- Two 8 cm fans with one replaceable filter at the front and one 5 cm blower at the back
- Two LED indicators for power on/off and hard drive active
- Detachable card cage design for ease of installation of SBC and add-on card



▲ PRC-2204 rear view

General

Construction	Heavy-duty steel
Drive Bay	External: NB CD-ROM x1 + NB FDD x1 Internal: 3.5" HDD x2
Air Filter	One front replaceable air filter
Cooling Fan	Two 8 cm fans at the front / One 5 cm blower fan at the back
Indicator	Power on/off x1, HDD x1
Switch	Power on/off x1, System reset x1
Speaker	One 8 speaker
Connector	Two USB connectors on the front panel One reserved COM port and one PRT on the rear panel
Standard Color	Black
Dimension	481.6(W) x 502.4(D) x 88.4(H) mm; 19"(W) x 19.78"(D) x 3.48"(H)
Weight	Net: 22 kg (48.5 lb) ; Gross: 25 kg (55.1 lb)
Backplane	PBP-06V4: Vertical 6-slot (4xPCI-X) PICMG backplane

Power Supply (ORION-3001PY optional)

Maximum Output	300W PFC
Output Voltage & Current	+5V@30A, +12V@15A, -5V@0.3A, -12V@0.8A, +3.3V@28A, +5Vsb@2.0A
Input Voltage	90V ~ 264V AC, full range
Input Frequency	47 ~ 63 Hz
Input Current	7A@115V, 4A@230V
Efficiency	> 65%
MTBF Reliability	100,000 hrs
Certification	UL, cUL, TUV, CE, FCC

Environment

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

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FEATURE	BENEFITS
SBC fixing mechanism	Secure SBC in the slot
Cooling tunnel design between SBC and PSU	Better ventilation to enhance system reliability
Replaceable air filter	For easy cleaning & exchange
Detachable card cage	For easy-to-install add-on cards
New door lock	The drive door can be opened without key, if it is not locked

WHAT'S NEW



Lockable door for security

Switches are inside the front door of PRC-2204 for better security



Fixing mechanism for SBC

Fixing mechanism is adopted to avoid SBC jumping out of slot by the force generated from heavy cooler under vibration or when dropped



Cooling tunnel

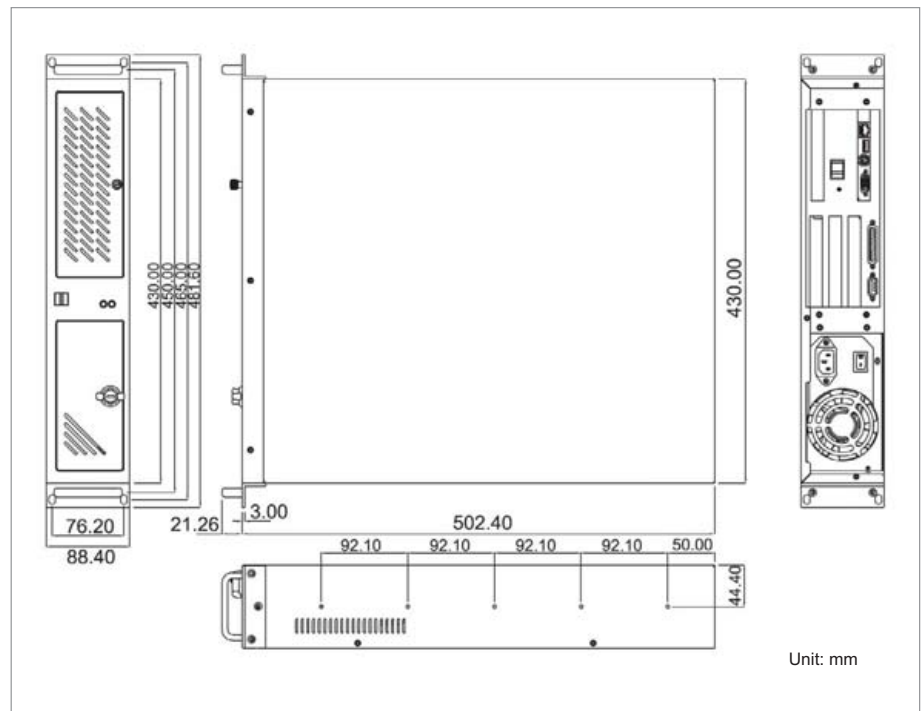
Two intake fans at the front and one exhaust blower between the SBC and PSU to provide smooth airflow



Card cage

PRC-2204 is equipped with a detachable card cage for ease of installation

ENGINEERING DRAWING



ORDERING GUIDE

PRC-2204-06V4-330X

19" 2U rack-mount chassis with vertical 6-slot (4xPCI-X) PICMG backplane and 330W ATX power supply

PRC-2T204-06V4-3001PY

19" 2U rack-mount chassis with vertical 6-slot (4xPCI-X) PICMG backplane and 300 PFC ATX power supply