RPC-500NC/L

19” 4U industrial rack-mount chassis

FEATURES

- 5.25” x3 + 3.5” x2 drive bays for RAID 0, 1, 5 & CD-ROM
- Two ball-bearing cooling fans for better ventilation
- Traditional rack-mount handles
- Two card retainer positions
- Two USB ports on the control panel
- One PS/2 K/B connector cap included
- One modularized function panel for single (default) and dual (optional) systems
- ATX M/B applicable, especially for big-AT sized M/B (RPC-500L)
- PS/2 reduncant power supply installable

RPC-500NC/L

Except the rack-mount handle, RPC-500N is the same as RPC-500NC. It’s the best selling 4U rack-mount chassis for CTI, industrial, scientific, engineering and server applications.

ORDERING GUIDE

- **RPC-500NC**
  19” 4U rack-mount chassis for PICMG backplane
- **RPC-500NC-MX**
  19” 4U rack-mount chassis for ATX M/B
- **RPC-500L**
  19” 4U rack-mount chassis for PICMG backplane (Long size)
- **RPC-500L-MX**
  19” 4U rack-mount chassis for server board

GENERAL

Construction	Heavy-duty steel with aluminum front panel
Drive Bay	External: 5.25” x3, 3.5” FDD x1 Internal: 3.5” HDD x1
Card Retainer	Two locations for one card retainer
Air Filter	One replaceable filter
Cooling Fan	One 12cm and one 8cm ball-bearing cooling fans
Indicator	Power on/off x1, HDD x1
Switch	Power on/off x1, System reset x1, K/B lock x1
Connector	One 5-pin K/B connector on the front panel with a cap
Standard Color	Beige, Black
Dimension	RPC-500N: 482(W) x 450(D) x 177(H) mm; 19”(W) x 17.7”(D) x 7”(H) RPC-500L: 482(W) x 515(D) x 177(H) mm; 19”(W) x 20.3”(D) x 7”(H)
Weight	RPC-500N: Net: 14 kg (30.9 lb); Gross: 15 kg (33.1 lb) RPC-500L: Net: 17.5 kg (38.6 lb); Gross: 18.5 kg (40.8 lb)
Backplane	PBP-14I: 14-slot ISA backplane PBP-14AC: 14-slot (12xPCI) active PICMG backplane PBP-14A7: 14-slot (7xPCI) active PICMG backplane PBP-14P4: 14-slot (4xPCI) PICMG backplane PBP-13D4: 13-slot dual-system PICMG backplane

POWER SUPPLY

ORION-D3501P optional

Maximum output	350W active PFC
Output Voltage & Current	+5V@40A; +12V@18A; +3.3V@30A; -5V@0.3A, -12V@1.0A, +5Vsb@2A
Input Voltage	90V ~ 264V AC, full range
Input Frequency	47 ~ 63Hz
Input Current	10A@115V, 5V@230V
Efficiency	> 68%
MTBF	75,145 hrs
EMI & Safety Approval	UL, cUL, TUV, CE, FCC
Temperature/Humidity	Operating: 0 ~ 50°C, 20 ~ 85%RH Storage: -40 ~ 70°C, 10 ~ 90%RH
Dimension (WxDxH)	150 x 140 x 86 mm; 5.9” x 5.5” x 3.4”

ENVIRONMENT

Operating Temperature Range	0 to +55°C
Storage Temperature Range	0 to +70°C
Relative Humidity	5% to 95%, non-condensing
Vibration	5~7 Hz: 0.5” double amplitude displacement 7~2000 Hz: 1.5g acceleration

RPC-500NC/L

19” 4U industrial rack-mount chassis

FEATURE	BENEFITS
■ A lockable front door with thumb lock	■ Good for dust-proof & Running status visible
■ One power on/off switch with LED indicator, one reset and one K/B lock switches inside the lockable door	■ Avoid accidental reset for better running security
■ Front replaceable air filter	■ For installing dual systems and redundant power supplies more easily
■ Two USB ports on the front panel	■ For easy access
■ One PS/2 K/B connector on the front panel	■ Convenient to connect to the keyboard
■ One K/B connector cap	■ Good for dust-proof for the front accessible K/B connector
■ Two ball-bearing cooling fans	■ Better ventilation to provide the system with higher reliability
■ Enhanced drive bracket to hold 3 x 5.25” + 1 x 3.5” (external) and 1 x 3.5” drives (internal)	■ For integrating varied systems with higher flexibility
■ Shock-resistant cushion for the drive bracket	■ Suitable for installing RAID and CD-ROM drive
■ Two adjustable positions for hold-down card retainers	■ For fixing all the cards more flexibly and tightly
■ Changeable modularized back panel for 14-slot ISA/PICMG backplane or ATX M/B	■ Only one minutes to change the back panel ■ Easy to change to different backplanes and keep stock
■ Field replaceable power supply bracket for both normal PS/2 power supply and PS/2 type redundant power supply	■ Only three minutes to change defective power supply ■ Only 30 seconds to change the defective PSU module

ENGINEERING DRAWING