# RPC-500NC

## 19" 4U industrial rack-mount P4 chassis



## FEATURE

- 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

- 2 USB ports

- One modularized function panel for single(default) and dual (optional) systems

- ATX M/B applicable, especially for big-AT sized M/B

- PS/2 redundant power supply installable

## 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 |
| Cooling Fan | One 12 cm and one 8 cm ball-bearing cooling fans |
| Indicator | Power on/off x1, HDD x1 |
| Switch | Power on/off x1, System reset x1, K/B lock x1 |
| Air Filter | One replaceable f lter |
| Connector | 2 USB ports on the front panel |
| Standard Color | Beige, Black |
| Dimension | RPC-500NC: 482(W) x 450(D) x 177(H) mm; 19"(W) x 17.7"(D) x 7"(H)) |
| Weight | RPC-500NC: Net: 14 kg.(30.9 lb); Gross: 15kg.(33.1 lb) |
| Backplane | PBP-14I: 14-slot ISA backplane<br>PBP-14AC: 14-slot (12xPCI) active PICMG backplane<br>PBP-14A7: 14-slot (7xPCI) active PICMG backplane<br>PBP-14P4: 14-slot (4xPCI) PICMG backplane<br>PBP-13D4: 13-slot dual-system PICMG backplane |

## Power Supply (PW-330ATXE-12V optional)

| Maximum Output | 330W |
|---|---|
| Output Voltage & Current | 330W ATX for PRC-2193P:<br>+5V@30A, +12V@16A, +3.3V@28A, -5V@0.3A, -12V@0.8A, +5Vsb@2A |
| Input Voltage | 90V ~ 132V, 180 ~ 264V AC selectable |
| Input Frequency | 47 ~ 63 Hz |
| Input Current | 10A@115V, 5A@230V |
| Eff ciency | > 70% |
| MTBF Reliability | 100,000 hrs |
| Certificatio | UL, cUL,TUV, CE, FCC |

## Environment

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

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| FEATURE | BENEFITS |
|---|---|
| A lockable front door with acrylic windows | 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 f lter | For installing dual systems and redundant power supplies more easily |
| One K/B DIN connectors on the front panel | For easy cleaning |
| Two ball-bearing cooling fans | Better ventilation to provide the system with higher reliability |
| Enhanced drive bracket to hold 3x5.25"+1x3.5" (external) and 1x3.5" drives (internal) | For integrating varied systems with higher f exibility |
| 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  exibly and tightly |
| Changeable modularized back panel for 14-slot ISA/PICMG backplane or ATX M/B | Only one minute to change the back panel<br>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 3 minutes to change the defective power supply<br>Only 30 seconds to change the defective PSU module |

## WHAT'S NEW



**Replaceable function panel**

Two modular designed function panels are available for single or dual system display panels. Any OEM project is welcome.

## ORDERING GUIDE

**RPC-500NC-MX-330X**
19" 4U rack-mount chassis for ATX M/B with 330W ATX power supply

**RPC-500NC-00-330X**
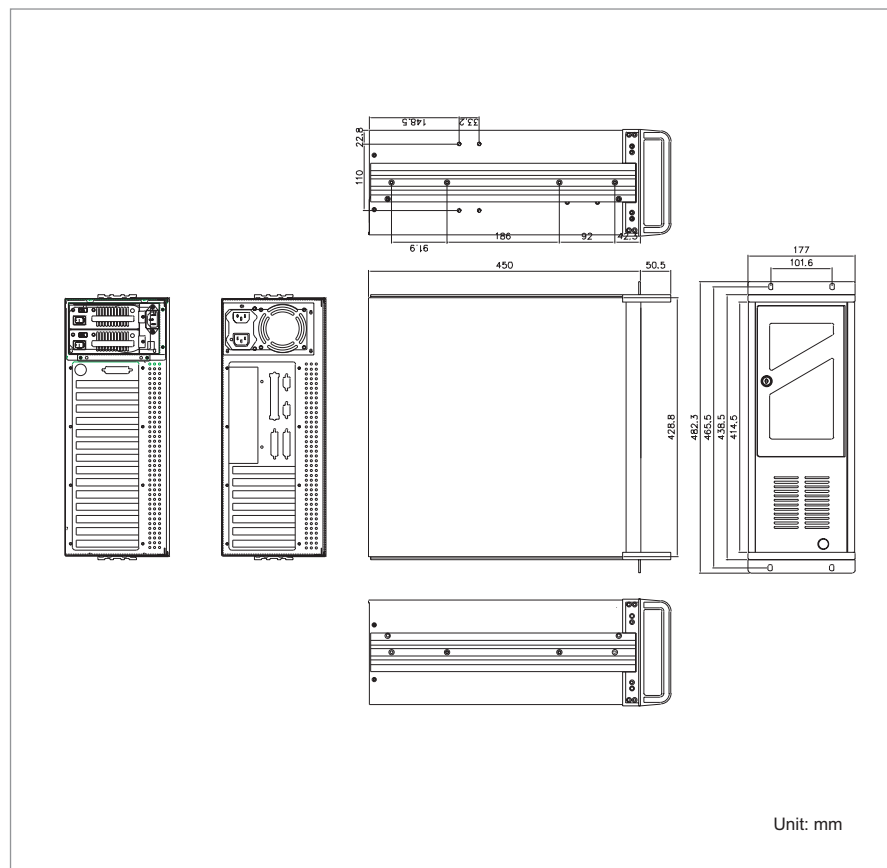19" 4U rack-mount chassis for 14-slot PICMG backplane with 300W ATX power supply

**RPC-500NC-00-00**
19" 4U rack-mount chassis for 14-slot PICMG backplane

**RPC-500NC-MX-00**
19" 4U rack-mount chassis for ATX M/B

## ENGINEERING DRAWING



Unit: mm