# ACP-2000/ IPC-602

## 2U 6-Slot Rackmount Chassis with Front USB and PS/2 Interfaces




ACP-2000

## Features

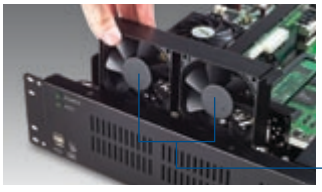
- 2U-high rackmount chassis supports up to 6 cards
- Butterfly backplane design
- Front-accessible USB and PS/2 connectors
- 250 W / 300 W AC ATX and DC power supply options
- Two 40-CFM cooling fans with air filter
- Recommended CPU cards for optimum integration
- Lockable front door prevents unauthorized access
- System alarm notification by front LED indicators (ACP-2000 only)

## Specifications

| | | | |
|---|---|---|---|
| Drive Bay | | Front-accessible | Internal |
| | Slim Optical Disk Drive | 1/- | |
| | 3.5" | 2/1 | -/1 |
| | 5.25" | -/1 | - |
| Cooling | Fan | 2 (47 CFM each)/2 (40 CFM each) | |
| | Air Filter | Yes | |
| Front I/O Interface | USB | 2 | |
| | PS/2 | 1 | |
| Miscellaneous | Notification LEDs | Power & HDD activity; Fan & Temperature for ACP-2000 only | |
| | Rear Panel | Reserved one 9-pin D-Sub opening | |
| Environment | | Operating | Non-Operating |
| | Temperature | 0 ~ 40° C (32 ~ 104° F) | -20 ~ 60° C (-4 ~ 140° F) |
| | Humidity | 10 ~ 85 % @ 40° C, non-condensing | 10 ~ 95 % @ 40° C, non-condensing |
| | Vibration (5 ~ 500 Hz) | 0.5 Grms | 2 G |
| | Shock | 10 G (with 11 ms duration, half sine wave) | 30 G |
| Physical Characteristics | Dimensions (W x H x D) | 482 x 88 x 450 mm (19" x 3.5" x 17.7") | |
| | Weight | 11.5 kg (25.3 lb)/11.3 kg (24.9 lb) | |

### Front View of IPC-602





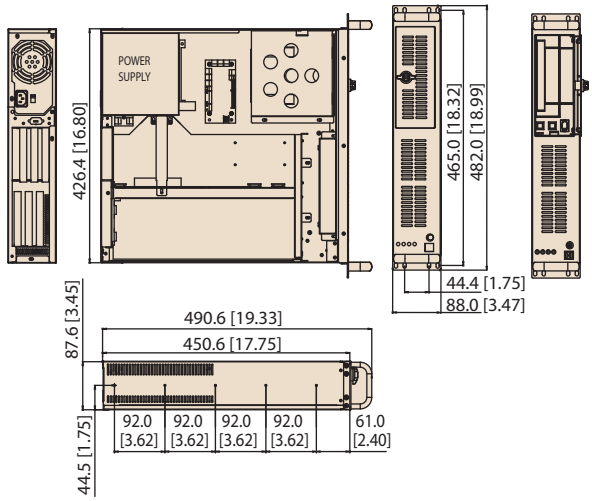




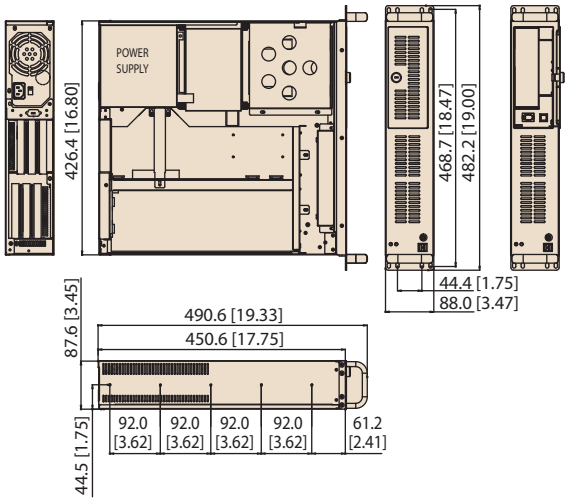
## Dimensions

Unit: mm (inch)

**ACP-2000**




**IPC-602**




## Power Supply Options

| Part Number | Specifications | | | | | |
|---|---|---|---|---|---|---|
| | Watt | Input | Output | Mini-load | Safety | MTBF |
| PS-250ATX-ZE (ATX, PFC) (IPC-602 only) | 250 W | AC 115/230 V (selectable) | +5 V @ 27 A, +3.3 V @ 20 A +12 V @ 13 A, -12 V @ 0.8 A -5 V @ 0.3 A, +5 Vsb @ 2 A | +5 V @ 1.5 A, +3.3 V @ 0.3 A | UL/TUV/CB/CCC | 100,000 hours @ 25° C |
| PS-300ATX-ZBE (ATX, PFC) | 300 W | AC 100 ~ 240 V (full range) | +5 V @ 30 A, +3.3 V @ 28 A +12 V @ 15 A, -12 V @ 0.8 A -5 V @ 0.3 A, +5 Vsb @ 2 A | +5 V @ 0.5 A, +12 V @ 0.5 A | UL/TUV/CB/CCC | 100,000 hours @ 25° C |
| PS-400ATX-ZBE (ATX, PFC) | 400 W | AC 100 ~ 240 V (full range) | +5 V @ 35 A, +3.3 V @ 28 A +12 V @ 30 A, -12 V @ 0.8 A -5 V @ 0.5 A, +5 Vsb @ 2 A | +5 V @ 3 A, +12 V @ 1 A +5 Vsb @ 0.1 A | UL/TUV/CB/CCC | 91,000 hours @ 25° C |
| PS-300ATX-DC48E (ATX) | 300 W | DC -48 V | +3.3 V @ 28 A, +5 V @ 30 A, +12 V @ 15 A, -5 V @ 0.3 A, -12 V @ 0.8 A, +5 Vsb @ 2 A | +5 V @ 0.3 A, +3.3 V @ 0.3 A, +12 V @ 0.2 A | UL/TUV/CB/CCC | 100,000 hours @ 25° C |
| RPS-300ATX-ZE (ATX, PFC) (ACP-2000 only) | 300 W | AC 100 ~ 240 V (full range) | +5 V @ 25 A, +3.3 V @ 18 A +12 V @ 16 A, -12 V @ 0.5 A -5 V @ 0.5 A, +5 Vsb @ 2 A | +5 V @ 3 A, +3.3 V @ 1 A +12 V @ 2 A, +5Vsb @ 0.1 A | UL/TUV/CB/CCC | 100,000 hours @ 25° C |

## Accessories

| Part Number | Description |
|---|---|
| 1701400652 | HDD cable, ATA 66/100, 45 cm + 20 cm |
| 1750000257 | 2U-high P4 Socket 478 CPU cooler up to 3.2 GHz (89 W) |
| 1750000432 | Low profile P4 CPU cooler up to 2.8 GHz (0.13 micron 70 W) |
| 96CD-52X-I-AS-B3 | Black 5.25" 52X CD-ROM |
| 96DVR-40X-I-AS-B | Black 5.25" 16X/40X/24X DVDRW-ROM |
| 96FDD-144-TE-B1 | Black 3.5" FDD |
| SCD-COMBOE | Black 5.25" compact storage kit with slim 24X CD-ROM and a 3.5" drive bay for FDD or HDD |
| SDVD-COMBOE | Black 5.25" compact storage kit with slim 8X DVD + 24X CD-RW and a 3.5" drive bay for HDD/FDD |
| SCD-FDD-COMBOE | Black 5.25" storage kit with slim 24X CD-ROM and standard 3.5" black FDD |
| SDVD-FDD-COMBOE | Black 5.25" storage kit with slim 8X DVD + 24X CD-RW and standard 3.5" FDD |
| 199902K000 | Door filter 156 x 45 x 5 mm |
| 1990001949 | Fan filter 165 x 58 mm |

## Ordering Information

| Part Number | Power Supply | Backplane | Regulation |
|---|---|---|---|
| **PICMG 1.0** | | | |
| ACP-2000P3-00XE | Without power supply, with ATX switch | 989K610621E (PCA-6106P3V) | - |
| ACP-2000P3-30ZE | PS-300ATX-ZBE | | CE |
| ACP-2000P4-00XE | Without power supply, with ATX switch | 989K610510E (PCA-6105P4V) | - |
| ACP-2000P4-30ZE | PS-300ATX-ZBE | | CE |
| IPC-602P3-00XBE | Without power supply, with ATX switch | 989K610621E (PCA-6106P3V) | - |
| IPC-602P3-25ZBE | PS-250ATX-ZE | | CE |
| IPC-602P3-30ZBE | PS-300ATX-ZBE | | CE |
| IPC-602P4-00XBE | Without power supply, with ATX switch | 989K610510E (PCA-6105P4V) | - |
| IPC-602P4-25ZBE | PS-250ATX-ZE | | CE |
| IPC-602P4-30ZBE | PS-300ATX-ZBE | | CE |
| **PICMG 1.3** | | | |
| ACP-2000EBP-00XE | Without power supply, wih ATX switch | - | - |
| ACP-2000EBP-30ZE | PS-300ATX-ZBE | - | CE |
| IPC-602EBP-00XBE | Without power supply, with ATX switch | - | - |
| IPC-602EBP-30ZBE | PS-300ATX-ZBE | - | CE |