

# ACP-2000/ PC-602

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



PICMG 1.0  
PICMG 1.3

### Features

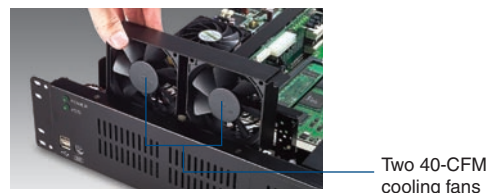
- 2U-high rackmount chassis supports up to 6 cards
- Butterfly backplane design
- Front-accessible USB and PS/2 connectors
- 250 W / 300 W AC ATX and DC power supply options
- Two 40-CFM cooling fans with air filter
- Recommended CPU cards for optimum integration
- Lockable front door prevents unauthorized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



### Specifications

|                          |                         |                                                           |                                            |
|--------------------------|-------------------------|-----------------------------------------------------------|--------------------------------------------|
| Drive Bay                | Slim Optical Disk Drive | Front-accessible                                          | Internal                                   |
|                          | 3.5"                    | 1/-                                                       | -/1                                        |
|                          | 5.25"                   | 2/1                                                       | -                                          |
| 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              | Temperature             | Operating<br>0 ~ 40° C (32 ~ 104° F)                      | Non-Operating<br>-20 ~ 60° C (-4 ~ 140° F) |
|                          | Humidity                | 10 ~ 85 % @ 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                                       |
|                          | Acoustic Noise          | Less than 52 dB sound pressure at 5 ~ 28° C (41 ~ 82° F)  |                                            |
|                          | Altitude                | 0 to 3,048 m (0 ~ 10,000 ft)                              |                                            |
| 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)                       |                                            |

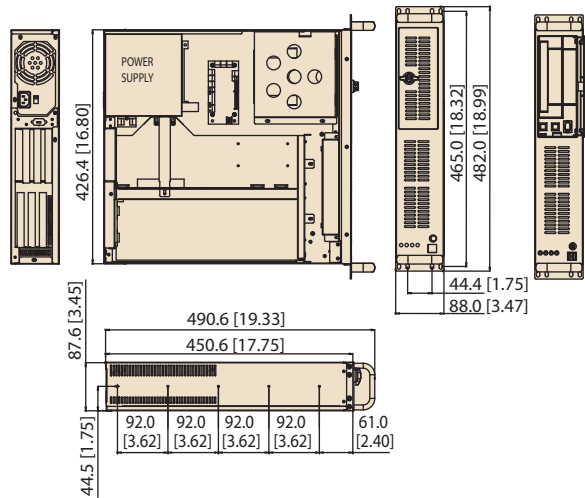
### Front View of IPC-602



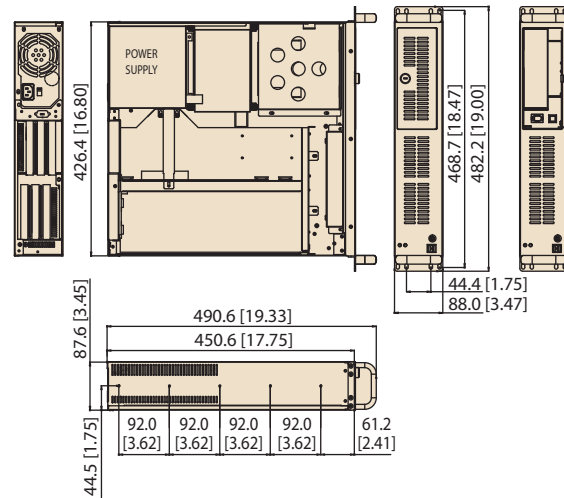
## Dimensions

Unit: mm (inch)

### ACP-2000



### IPC-602



## Power Supply Options

| Part Number                                 | Watt  | Input                          | Output                                                                                    | Specifications<br>Mini-load                            | Safety        | MTBF                  |
|---------------------------------------------|-------|--------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------|-----------------------|
| PS-250ATX-ZE (ATX, PFC)<br>(IPC-602 only)   | 250 W | AC 115/230 V<br>(selectable)   | +5 V @ 27 A, +3.3 V @ 20 A<br>+12 V @ 13 A, -12 V @ 0.8 A<br>-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<br>(full range) | +5 V @ 30 A, +3.3 V @ 28 A<br>+12 V @ 15 A, -12 V @ 0.8 A<br>-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)<br>(IPC-602 only)  | 400 W | AC 100 ~ 240 V<br>(full range) | +5 V @ 35 A, +3.3 V @ 28 A<br>+12 V @ 30 A, -12 V @ 0.8 A<br>-5 V @ 0.5 A, +5 Vsb @ 2 A   | +5 V @ 3 A, +12 V @ 1 A<br>+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,<br>+12 V @ 15 A, -5 V @ 0.3 A,<br>-12 V @ 0.8 A, +5 Vsb @ 2 A | +5 V @ 0.3 A, +3.3 V @ 0.3 A,<br>+12 V @ 0.2 A         | UL/TUV/CB/CCC | 100,000 hours @ 25° C |
| RPS-300ATX-ZE (ATX, PFC)<br>(ACP-2000 only) | 300 W | AC 100 ~ 240 V<br>(full range) | +5 V @ 25 A, +3.3 V @ 18 A<br>+12 V @ 16 A, -12 V @ 0.5 A<br>-5 V @ 0.5 A, +5 Vsb @ 2 A   | +5 V @ 3 A, +3.3 V @ 1 A<br>+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<br>(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<br>3.5" drive bay for FDD or HDD      |
| SDVD-COMBOE      | Black 5.25" compact storage kit with slim 8X DVD + 24X CD-RW<br>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"<br>black FDD                      |
| SDVD-FDD-COMBOE  | Black 5.25" storage kit with slim 8X DVD + 24X<br>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 |
|------------------|------------------------------------------|---------------------------|------------|
| <b>PICMG 1.0</b> |                                          |                           |            |
| ACP-2000P3-00XE  | Without power supply,<br>with ATX switch | 989K610621E (PCA-6106P3V) | -          |
| ACP-2000P3-30ZE  | PS-300ATX-ZBE                            |                           | CE         |
| ACP-2000P4-00XE  | Without power supply,<br>with ATX switch | 989K610510E (PCA-6105P4V) | -          |
| ACP-2000P4-30ZE  | PS-300ATX-ZBE                            |                           | CE         |
| IPC-602P3-00XBE  | Without power supply,<br>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,<br>with ATX switch | 989K610510E (PCA-6105P4V) | -          |
| IPC-602P4-25ZBE  | PS-250ATX-ZE                             |                           | CE         |
| IPC-602P4-30ZBE  | PS-300ATX-ZBE                            |                           | CE         |
| <b>PICMG 1.3</b> |                                          |                           |            |
| ACP-2000EBP-00XE | Without power supply,<br>with ATX switch | -                         | -          |
| ACP-2000EBP-30ZE | PS-300ATX-ZBE                            | -                         | CE         |
| IPC-602EBP-00XBE | Without power supply,<br>with ATX switch | -                         | -          |
| IPC-602EBP-30ZBE | PS-300ATX-ZBE                            | -                         | CE         |