

# IPC-610H

## 4U 14-slot Rackmount Chassis with Front-accessible USB/PS2 Connector



### Features

- 4U-high supports up to 14-slot ISA or ISA/PCI backplane rackmount chassis
- Equipped with 300 W ATX PFC PS/2 power supply
- Easy installation front accessible disk drive bays to hold three half-height drives, one 3.5" FDD and one internal 3.5" disk drive
- Front accessible USB & PS/2 keyboard I/O interface
- Front viewable system LED
- Designed to withstand environmental extremes, such as shock, vibration and high temperature
- Optional ATX motherboard version and 400 W PFC P/S

**NEW**

### Introduction

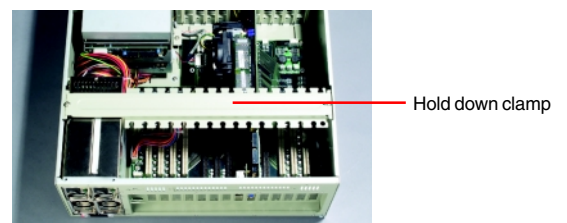
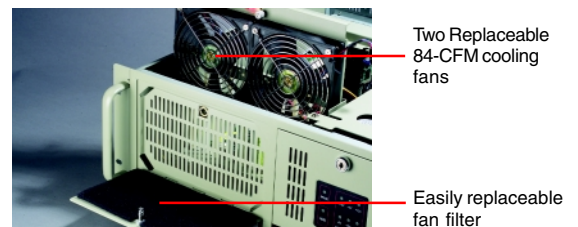
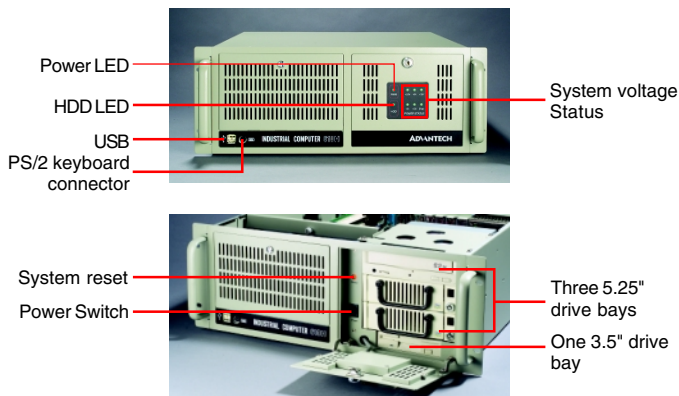
The IPC-610-H is a 4U-high 14-slot rackmount industrial computer chassis designed for mission-critical applications. The unit includes a versatile 14-slot passive backplane; high-efficiency 300 W ATX with PFC (power factor correction) power supply and dual easy maintenance cooling fans. A front viewable system status LED displays the power, HDD and system voltage activity. An advanced cooling system with dual high CFM fans provides sufficient flow to cool the systems key components. The front

accessible USB and PS/2 keyboard I/O interface can be connected with a wide range of peripheral devices for data transfer, backup and input. Flexible mechanical design supports single PS/2 or redundant power supply through a power bracket replacement.

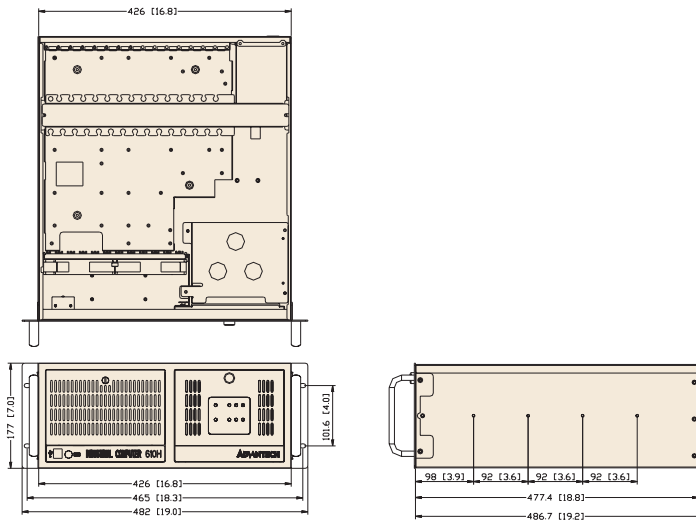
All these outstanding features make IPC-610-H the best choice for price/performance and total cost ownership.

### Specifications

|               |                                  |  |
|---------------|----------------------------------|--|
| Drive Bay     | 5.25"<br>3.5"                    | Front-accessible<br>3<br>1   |
| Cooling       | Fan<br>Air Filter                | 2 (84 CFM/each)<br>Yes   |
| Miscellaneous | Slide Rail<br>Rear Panel         | General Device C-300 series supported (not included)<br>D-SUB 9-pin and 25-pin bracket |
| Environment   | Temperature                      | Operating: 0 ~ 40 °C (32 ~ 104 °F)<br>Non-Operating: -40 ~ 60 °C (-40 ~ 140 °F)        |
|               | Humidity                         | 10 ~ 85 % @ 40 °C, non-condensing<br>10 ~ 95 % @ 40 °C, non-condensing                 |
|               | Vibration (5 ~ 500 MHz)          | 1 Grms<br>2 G  |
|               | Shock                            | 10 G (With 11 msec duration, 1/2 sine wave)<br>30 G                                    |
|               | Acoustic Noise                   | Less than 52dB sound pressure at 5 ~ 28 °C (41 ~ 82 °F)                                |
| Physical      | Altitude                         | 0 to 3048 m (0 ~ 10,000 ft)  |
|               | Dimensions (W x H x D)<br>Weight | 482 x 177 x 480 mm (19" x 7" x 18.9")<br>10.2 kg (22.5 lb)                             |



## Dimension Diagram



Unit: mm (inch)

CompactPCI Enclosures 1

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CompactPCI Peripherals 3

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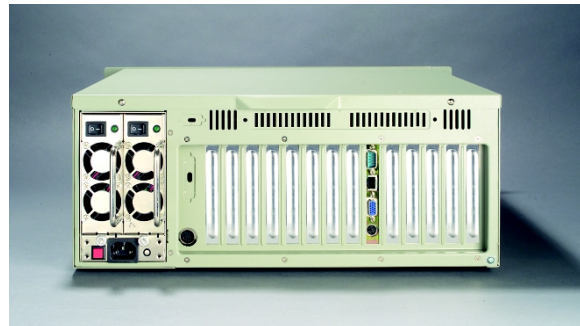
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## Passive Backplane Options

| B/P Model Name  | Slot   | Segment |
|-----------------|--|---------|
| PCA-6114-0B1    | 14 ISA                                       | Single  |
| PCA-6114P4-C    | 8 ISA, 4 PCI, 2 PICMG                        | Single  |
| PCA-6114P7-0D1  | 4 ISA, 6 PCI, 3 PICMG, 1 PCI/ISA             | Single  |
| PCA-6114P10-B   | 2 ISA, 10 PCI, 2 PICMG                       | Single  |
| PCA-6113P4R-0C1 | 7 ISA, 4 PCI, 2 PICMG                        | Single  |
| PCA-6114P12-0B1 | 1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG          | Single  |
| PCA-6113P7X     | 4 ISA, 7 PCI(64-bit), 2 PICMG                | Single  |
| PCA-6114P12X-A1 | 1 ISA, 11 PC I(64-bit), 1 PICMG/PCI, 1 PICMG | Single  |



Rear panel of backplane version with redundant power supply

## Ordering Information

| Part Number    | With Power Supply                     | With Backplane or Motherboard | Regulation |
|----------------|---------------------------------------|-------------------------------|------------|
| IPC-610BP-00XH | Without power supply, with ATX switch | --                            | None       |
| IPC-610MB-00XH | Without power supply, with ATX switch | (motherboard version)         | None       |



Rear panel of motherboard version with redundant power supply