IPC-601

1U Rackmount e-Server Chassis

Features

- Compact 1U size for rackmount services
- Support PICMG full-sized CPU cards and passive backplanes
- Maximum storage configuration
- Three easy-to-replace cooling fans support good ventilation
- 300 W ATX power supply

Introduction

The IPC-601 is the most optimized model in Advantech e-Server product line. A principle feature is the product's 1U height. The ultra-slim design makes the product particularly suitable for use in high-density applications. This feature is especially useful for incremental server deployment by Internet/Intranet service providers and enterprises.

Each IPC-601 chassis comes with one PICMG slot for a full feature CPU Card and one expansion slot for other added features.

Maximum Storage Options

The three 3.5-inch hard disk drive bays accommodate IDE or SCSI hard disk drives and with the optional SCA-2 midplane, hot-swap SCSI is an option. The unit also includes one slim floppy disk and one CD-ROM drive as standard equipment.
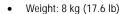
System Monitoring for Reliability

The IPC-601's monitoring features increase reliability by providing early warning functions. The integrated alarm circuit board detects fan speed and chassis temperature, providing server management features and ensuring maximum uptime.

Specifications

General Specifications:

- Construction: Heavy-duty steel chassis
- Disk drive capacity: Three optional hot-swap hard disk drive space, one slim-type CD-ROM drive and one slim-type floppy disk drive.
- Cooling system: Three easy-to-replace 7 CFM cooling fans, 21 CFM in total
- Controls: Momentary power switch and alarm reset switch
- Indicators: Power LED, HDD1/2/3 LED, Alarm LED
- Dimensions (W x D x H): 482mm x 600mm x 44mm (19 in x 24 in x 1.7 in)

- Weight: 8 kg (17.6 lb)
- Paint color: Black 2U 2X, Fabric Texture
- Operating temperature: 0 ~ 40 ˚C (32 ~ 104 ˚F)
- Storage temperature: 0 ~ 75 ˚C (32 ~ 167 ˚F)
- Operating humidity: 5 ~ 95% @ 40 ˚C , non-condensing
- Storage humidity: 5 ~ 95%

Backplane Specifications:

- Slots: One PICMG for full-sized CPU card, and one PCI slot for expansion
- Dimensions: 313 x 38 mm (12.3″ x 1.5″)

Power supply Specifications:

- Input: 115/230 V_{AC}, 50/60 Hz, auto-switch
- Output: 320 W
- Max output: +3.3 V @ 20 A, +5 V @ 32 A, +12 V @ 12 A, -5 V @ 0.5 A, -12 V @ 0.5 A, +5 V_{sb} @ 2 A
- Minimum load: +5 V @ 1.0 A
- MTBF: 50,000 Hours @ 70% load
- Safety: UL/CUL/CE

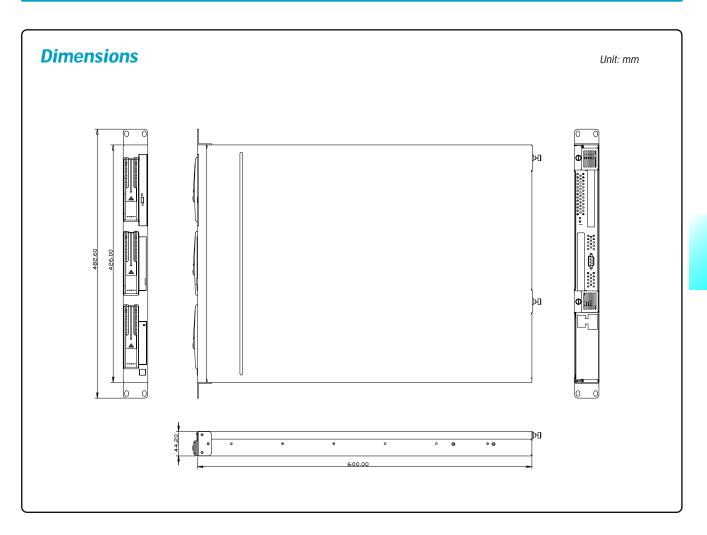*A glance inside the IPC-601*

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Dimensions

Unit: mm

482.60
426.00
44.20
600.00

IPC-601 comes with one PICMG and one expansion slot

Ordering Information

❑ **IPC-601-SCA**
1U rackmount e-Server chassis with backplane, 300 W ATX power supply, hot-swap HDD SCA-2 backplane, slim-type CD-ROM drive, and slim-type floppy disk drive

Recommended Advantech CPU Cards

❑ **PCA-6276**
Dual Socket 370 Pentium® III/Celeron™ SBC with VGA/LAN

❑ **PCA-6178**
Socket 370 Pentium® III SBC with VGA/LAN/SCSI

❑ **PCA-6179**
Socket 370 Pentium® III SBC with VGA/LAN/LAN/SCSI(133 MHz FSB)