

# IPC-613

## 2U Rackmount e-Server Chassis for ATX Motherboard



### Features

- Compact 2U size for rackmount services
- Support ATX motherboards
- Maximum storage space
- Easy-to-replace cooling fans support good ventilation
- Standard 300 W ATX power supply

### Introduction

The IPC-613 is a part of the Advantech e-Server product line. The product has a 2U rackmount form factor that makes it an appealing choice for Internet and Intranet service providers and enterprises which use stacked server configurations.

The IPC-613 is designed to use an ATX form factor server board. With a flexible choice of server boards, the IPC-613 gives system integrators complete freedom to choose an optimum configuration when developing specific applications. A choice of Advantech recommended or other server boards provides the option to deploy more or fewer functions as required.

### Maximum Storage Options

The IPC-613 drive bay includes space for four 3.5-inch IDE or SCSI hard disk drives. With the optional SCA-2 midplane installed, hot-swappable SCSI hard disk drives can be used. The IPC-613 also has one slim floppy disk and one CD-ROM drives as standard equipment.



### Cooling & Monitoring Features

The IPC-613's three easily replaceable cooling fans provide a total of 115.8CFM ventilation capacity. Monitoring features track cooling fan speed and chassis temperature and have alarm functions that provide alerts to help avoid component failures

### Specifications

#### General Specificaitons:

- Construction: Heavy-duty steel chassis
- Disk drive capacity: Four optional hot-swap hard disk drive space (with optional SCA-2 backplane), and one CD-ROM drive and one floppy disk drive space.
- Expansion slots: Two PCI expansion slots on the PCI riser card
- Cooling system: Three easy-to-replace 38.6 CFM cooling fans, 115.8 CFM in total
- Controls: Momentary power switch and alarm reset switch
- Indicators: Power LED, fan LED, and temperature LED
- Dimensions (W x D x H): 482mm x 595mm x 88mm (19 in x 24 in x 3.5 in)
- Weight: 10 kg (22 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%

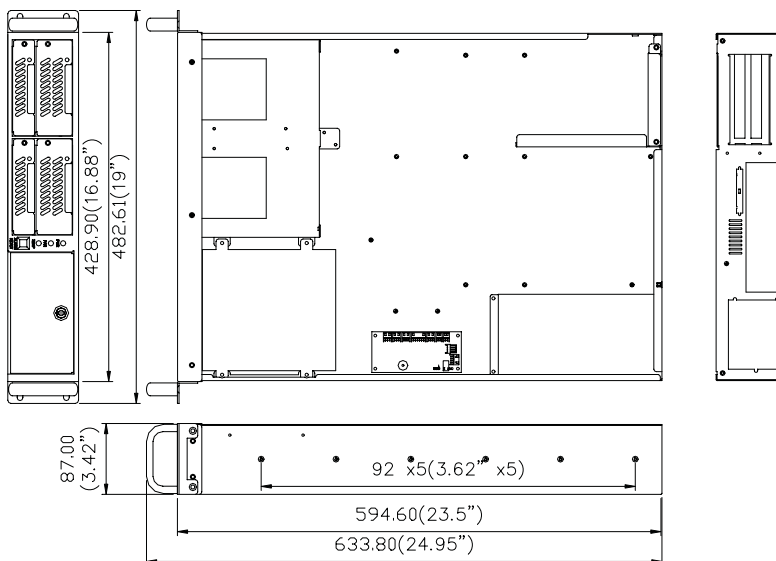
#### Power Supply :

- Input: 100/200 V<sub>AC</sub>
- Output: +3.3 V @ 16 A, +5 V @ 26 A, +12 V @ 10 A, -5 V @ 0.25 A, -12 V @ 1 A, +5 V SB @ 1.5 A
- Minimum load: +5 V @ 1 A, +12 V @ 0.5 A
- Max output: 300 W
- MTBF: 50,000 hours @ 50 °C
- Safety: CE/UL/CUL



## Dimensions:

Unit: mm (inch)



Integrated with Advantech's recommended motherboard, IPC-613 supports 2 PCI expansion slots.



Standard build-in alarm board provides IPC-613 with system monitoring capability

## Ordering Information

- IPC-613**  
2U rackmount e-Server chassis with 300W ATX power supply
- IPC-613-SCA**  
2U rackmount e-Server chassis with hot-swap HDD SCA-2 backplane and 300 W ATX power supply

### Recommended Serverboards

- T250820200**  
Tyan S1837UANG ATX motherboard which supports dual slot 1 Pentium® III CPU, 2 GB SDRAM, on-board SCSI and LAN
- T250810300**  
Intel® L440GH ATX motherboard which supports dual slot 1 Pentium® III CPU, 2 GB SDRAM, on-board VGA, SCSI, and LAN

### Product Options

- CD-FDD COMBO**  
Slime-type CD-ROM/ FDD fits into one half-height disk drive.