# IPC-611

## 4U 14-Slot Rackmount IPC Chassis



## Features

- **19" rackmount chassis meets EIA RS-310C standard**
- **Shock-resistant disk drive bay holds three 5.25" & one 3.5" front-accessible disk driver**
- **Front-accessible fan with filter is user-friendly for system maintenance**
- **Visible power and HDD activity notification improves system availability**
- **Compatible with standard ATX motherboard form factor, up to 9.6"(W) x 12"(D)**
- **Flexible mechanical design supports both PS/2 power supply and redundant power supply**
- **250W/300W ATX PFC power supply supports power factor correction and P4 M/B**

## Introduction

IPC-611 is a 4U height 19" rackmount IPC chassis. It holds versatile 14-slot PC-bus compatible passive backplane from 32-bit PCI to 64-bit PCI-X, an industrial glade switching power supply, a cooling fan and hold down cramp; designed for building block and mission-critical applications.

IPC-611 is equipped with shockproof and front accessed driver bays, three 5.25" & one 3.5" for protection of system data. It also includes a versatile 14-slot passive-backplane or ATX motherboard form factor, a high-efficiency 250W ATX with PFC (power factor correction) power supply, and one front accessible and easy maintenance cooling fan, which provides abundant cooling. For high-density request, IPC-611 supports full length 12-slot or supports up to 7-slot full length 9.6" x 12" ATX M/B form factor; providing low total cost ownership solution to meet customer application. The flexible mechanical design provides single PS/2 size or redundant power supply through replacement of a power supply bracket only.
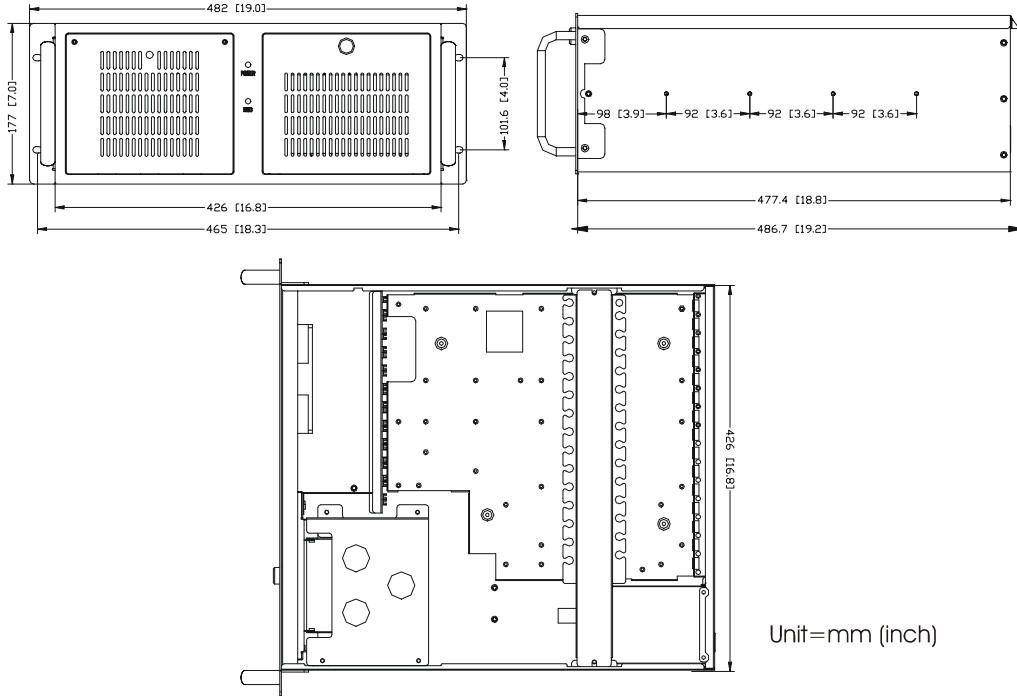
The power LED and HDD LED, which provide system power and HDD data access status, are located on the front bezel of the IPC-611. The power switch and system reset are behind the locked door; the air filter, which is behind both sides of the front door and fan holder, ventilates without dust. IPC-611 withstands shock, vibration, dust and extreme operating temperature to meet different inquiries and application development under harsh industrial environments 24 hours a day, 7 days a week.



## Specifications

- **Construction**: Heavy duty steel chassis
- **Drive bay**: Shockproof and front accessed three 5.25" & one 3.5" bay
- **Cooling system**: One front-access easy-to-replace 84 CFM cooling fan with air filter
- **Controls**: Power On/Off or Momentary switch, reset switch behind the lockable door
- **Indicators**: Single-color PWR LED for power status, single-color HDD LED (orange) for HDD activity.
- **Connectors**: Rear panel 9-pin & 25-pin bracket and AT K/B
- **Paint color**: Pantone 4C 2X Black, textured
- **Operating temperature**: 0°C ~ +40°C (32°F ~ 104°F)
- **Storage temperature**: -40°C to +60°C (-32°F to +140°F)
- **Relative humidity:** 10 ~ 95%@40°C, non-condensing
- **Vibration**: 5Hz ~ 500Hz, 1 G rams(Operating), 2G (non-operating)
- **Shock (Operating)**: 30 G with 11m Sec duration, 1/2 sine wave
- **Acoustic Noise:** Less than 52 dB sound pressure at +5°C to +28°C (+41°F to +82°F)
- **Altitude**: 0 to 3048m (0 to 10,000 ft)
- **Slide rails:** General Device C-300 series supported
- **Dimensions**: 482(W) x 177(H) x 480(D) mm (19"x 7" x 18.9")
- **Weight**: 12kg (26.4lb)
- **Safety:** CE compliant, UL/cUL approved

# Dimensions



Unit=mm (inch)

## Power Supply Options

| Model Name | Specification | | | | | |
|---|---|---|---|---|---|---|
| | Watt | Input | Output | Mini-load | Safety | MTBF |
| PS-250ATX-Z(ATX, PFC) | 250W | 115/230Vac (Selectable) | +5V@ 27A +3.3V@20A +12V@13A -12V@0.8A -5V@0.3A +5Vsb@2A | +5V@0.5A +12V@0.3A | UL,cUL,CSA, (UL60950 3rd) CE EN61000-3-2 Class D TUV,CB | 100,000 hours@25¢J full load |
| PS-300ATX-Z(ATX,PFC) | 300W | 115/230Vac (Full-range) | +5V@ 30A +3.3V@24A +12V@15A -12V@0.8A -5V@0.3A +5Vsb@2A | +5V@1A +12V@0.5A +3.3V@0.3A | UL,cUL,CSA,CE EN61000-3-2 Class DTUV, Nordic,CB | 100,000 hours@25¢J275W load |
| RPS-300ATX-Z(ATX PFC) | 300W | 110/240Vac (Full-range) | +5V@ 25A +3.3V@18A +12V@16A -12V@0.5A -5V@0.5A +5VSB@2A | +5V@3A +3.3V@1A +12V@2A +5VSB@0.1A | UL/TUV/CB | 150,000 hours@25¢Jfull road |
| PS-310-DC48(AT) | 310W | -38VDC ~ -58VDC | +5V@ 25A +12V@10A -5V@ 1A -12V@5A | +5V@2A | UL/CSA/CE | 100,000 hours@25¢J |

## Ordering Information

| Model Name | With Power Supply | With Backplane or Motherboard | Regulation |
|---|---|---|---|
| ICP-611BP-00P | Without power supply, with AT switch | 14-slot Backplane version without Backplane | None |
| IPC-611BP-00X | Without power supply, with ATX switch | 14-slot Backplane version Without Backplane | None |
| IPC-611MB-00X | Without power supply, with ATX switch | Motherboard version Without Backplane | None |
| IPC-611BP-25Z | With 250W ATX PFC power supply | 14-slot Backplane version Without Backplane | UL.cUL, CE |
| IPC-611MB-25Z | With 250W ATX PFC power supply | Motherboard version Without Motherboard | UL.cUL, CE |
| IPC-611BP-30Z | With 300W ATX PFD power supply | 14-slot Backplane version Without Backplane | UL.cUL, CE |
| IPC-611MB-30Z | With 300W ATX PFC power supply | Motherboard version Without Motherboard | UL.cUL, CE |

## Backplane Options

- **PCA-6113P4R**: 8 ISA/ 4 PCI/ 1 CPU, single segment
- **PCA-6113P7X**: 5 ISA/ 7 PCI-X/ 1 CPU, single segment
- **PCA-6114**: 14 ISA, single segment, AT only
- **PCA-6114P4-B**: 9 ISA/ 4 PCI/ 1 CPU, single segment
- **PCA-6114P7-C**: 6 ISA/ 7 PCI/ 1 CPU, single segment
- **PCA-6114P10-B**: 3 ISA/ 10 PCI/ 1 CPU, single segment
- **PCA-6114P12**: 1 ISA/ 12 PCI/ 1 CPU, single segment
- **PCA-6114D**: 7 ISA, dual segment, AT only