

IPC-616

14-slot Fault-resilient IPC Chassis



Features

- Versatile 14-slot ISA/PCI backplane
- Equipped with a PS/2 type 300 W AC or 310 W 48 V DC power supply, or a 300 W hot-swap redundant power supply
- Supports up to four front-access disk drives (three half-height, one 3.5") and one 3.5" internal HDD
- Two front-access hot-swap cooling fans for easy maintenance
- Nine front-panel LED indicators display system status for power failure, fan failure and overheating. Audible alarm included

Introduction

The IPC-616 is a 4U-height, 19" rackmount IPC chassis which can hold a 14-slot PCI/ISA passive backplane. Various power supply options are available. You can equip the chassis with a 300 W redundant power supply or a single PS/2 power supply up to 300 W. As more and more applications require mass capacity and high reliability, the IPC-616 comes with a removable disk drive bay accommodating up to three half-height drives, as well as one 3.5" FDD and one 3.5" internal HDD. Fault-resilient features include an audible alarm and LED indicators for system failure. All these make the IPC-616 an ideal intelligent platform for PC-based servers and CT/network applications.

Specifications

- **Construction:** Heavy-duty steel
- **Disk drive bay:** Front accessible, supports up to three half-height disk drives, one 3.5" disk drive and one internal 3.5" HDD
- **Cooling fans:** Two 53 CFM hot-swap and front-accessible cooling fans with air filters
- **Controls:** Power On/Off switch, CPU Reset button, and alarm reset button all on front panel behind the door
- **Status indicators:** Single-color LEDs (green) for +3.3 V, +5 V, +12 V, -5 V, -12 V and HDD activity. Bicolor LEDs (green/red) for power failure, fan failure and overheating
- **Keyboard connector:** Pre-wired 5-pin DIN connectors
- **Speaker:** One 8 W speaker on alarm board
- **Dimensions (W x H x D):** 482 x 177 x 478 mm (19" x 7" x 18.8")
- **Weight:** 16 kg (35.2 lb)
- **Paint color:** Black (2U 2X, Fabric Texture)
- **Fault detection and alarm notification:** Fan, power failure and overheating. Audible alarm included
- **Operating temperature:** 0 ~ 40° C (32 ~ 104° F)
- **Relative humidity:** 10 ~ 95% @ 40° C, non-condensing
- CE compliant

Power Supply Specifications

Model Name	Specifications				
	Watts	Input	Output	Mini-load	MTBF
PS-310-DC48 (AT)	310 W	DC-48 V	+5 V @ 25 A +12 V @ 10 A -5 V @ 1 A -12 V @ 5 A	+5 V @ 3 A +12 V @ 1 A	100,000 hours
PS-300X-DPS (ATX)	300 W	110/220 V _{AC}	+5 V @ 32 A +12 V @ 12 A +3.3 V @ 28 A -5 V @ 0.25 A -12 V @ 0.5 A +5 V SB @ 1 A	+5 V @ 2 A +12 V @ 0.75 A +3.3 V @ 0.5 A	50,000 hours @ 50° C

UL/CSA/TÜV/CE approved

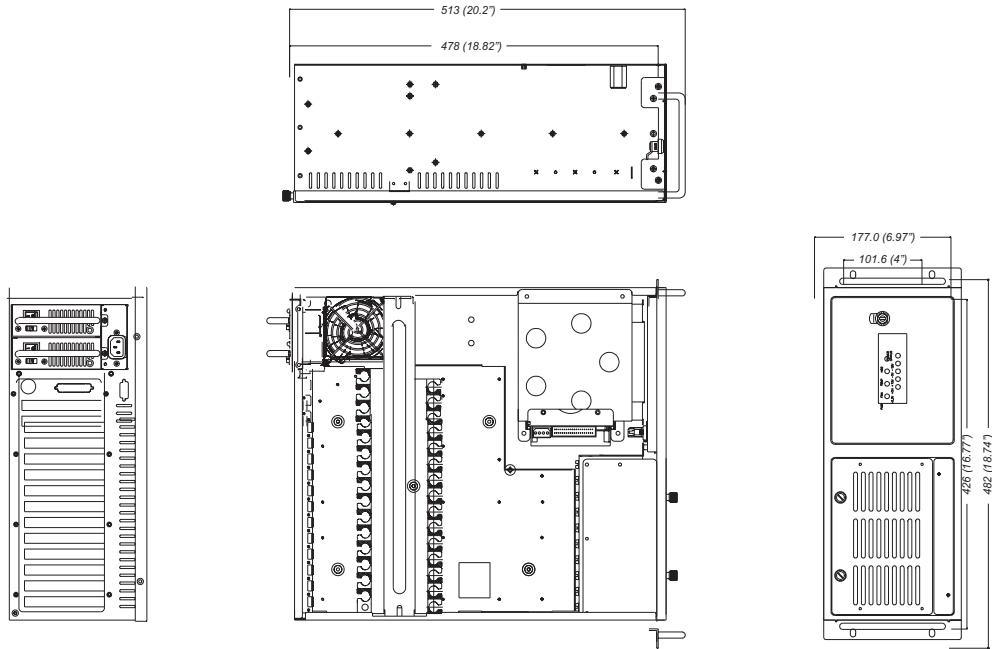


Sliding out the front-access hot-swap fans is easy.



Dimensions

Unit: mm (inch)



Ordering Information

Please note the barebone models are equipped with power supplies but no backplanes. You may choose the required backplane from the backplane options, and integrate them into the chassis on your own.

Barebone Chassis (with power supply but no backplane)

Ordering P/N	With Power Supply
IPC-616BP-30X	PS-300X-DPS
IPC-616BP-31D	PS-310-DC48

Passive Backplane Options

Backplane	Sbts per Segment (SA / PCI / CPU)	Segment
PCA-6114P4-B	9 / 4 / 1	Single
PCA-6114P7	6 / 7 / 1	Single
PCA-6113P4R	9 / 4 / 1	Single
PCA-6114P10	3 / 10 / 1	Single



Front-access disk drives.