IPC-623

Features

- 4U-high 20-slot rackmount chassis, up to 4 segments
- Front-accessible and hot-swap redundant power supply
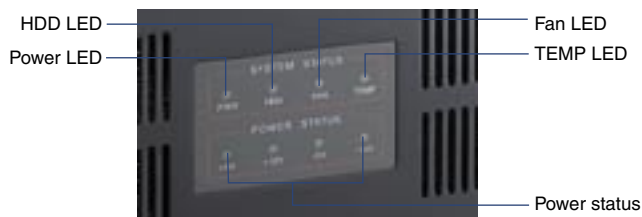- Fault detection/alarm notification
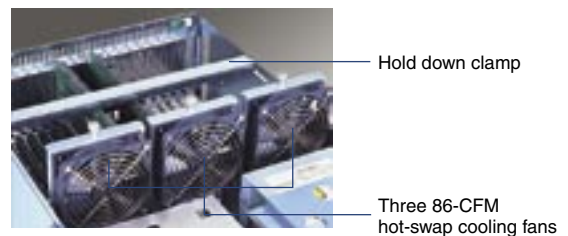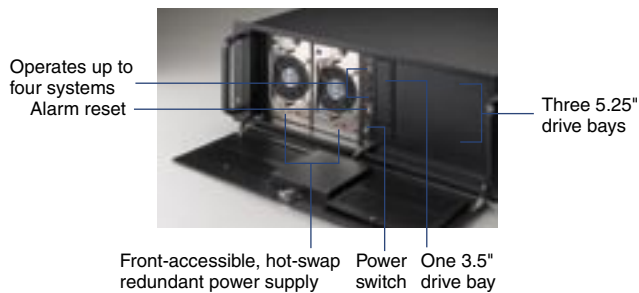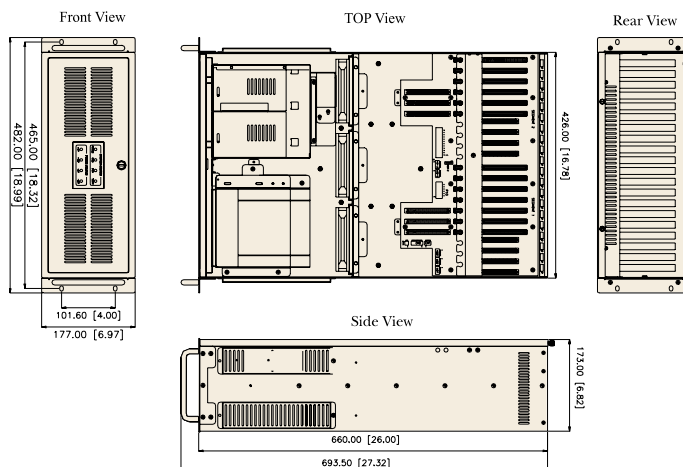- Three hot-swap 86-CFM cooling fans

Introduction

IPC-623 is a 4U-high 19" rackmount industrial computer chassis which can hold a 20-slot PCI/ISA backplane and 300 W/400 W redundant power supply. These features set it apart from the others. IPC-623 allows installation of multiple PC systems in a single chassis. A wide variety of multi-segment ISA or ISA/PCI backplane options are available. Some come with a PCI bridge to support more PCI slots for different applications. In addition, IPC-623 also features advanced fault resilient capability. An audible alarm is activated for power failure and fan failure or overheating which makes it an ideal solution for a number of mission-critical applications.

Specifications

		Front-accessible	Internal
Drive Bay	3.5"	1	1
	5.25"	3	
Cooling	Fan	3 (hot-swap, 86 CFM/each)	
Miscellaneous	Hold-down Clamp	Rubber-buffered hold-down clamp	
Physical	Dimensions (W x H x D)	482 x 177 x 660 mm (19" x 7" x 26")	
	Weight	26 Kg (57 lb)	

Operates up to four systems
Alarm reset
Three 5.25" drive bays
Front-accessible, hot-swap redundant power supply
Power switch
One 3.5" drive bay

Hold down clamp
Three 86-CFM hot-swap cooling fans

HDD LED
Power LED
Fan LED
TEMP LED
Power status

Double section top cover for easy maintenance of power switch, disk drive and fan

Dimension Diagram

Front View   TOP View   Rear View

Side View

Unit: mm (inch)

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
RPS-300V	300 W AT	AC 115/230 V (selectable)	+5 V @ 30 A +12 V @ 12 A -5 V @ 0.5 A -12 V @ 0.5 A	+5 V @ 3 A +12 V @ 1 A	CE/UL/ TÜV/CSA	100,000 hours @ 25 °C
RPS-40XZ-V	400 W ATX PFC	AC 90 ~ 264 V (Full-range)	+5 V @ 42 A +3.3 V @ 20 A +12 V @ 14 A -5 V @ 1 A -12 V @ 1 A +5 Vsb @ 0.75 A	+5 V @ 2 A +3.3 V @ 0.2 A +12 V @ 0.5 A	UL/cUL/TÜV/CE/ICCC	100,000 hours @ 25 °C (75 % load)
1757240000 (single P/S)	400W AT	AC 115/230 V (selectable)	+5 V @ 40 A +12 V @ 20 A -5 V @ 0.5 A -12 V @ 1 A	+5 V @ 3 A +12 V @ 0.5 A	CE/UL/cUL/CSA	150,000 hours @ 25 °C

Passive Backplane Options

Part Number	Slot	Segment
PCA-6120-0B1	20 ISA	Single
PCA-6120P4-0B1	14 ISA, 4 PCI, 2 PICMG	Single
PCA-6119P7-0B1	10 ISA, 7 PCI, 2 PICMG/PCI	Single
PCA-6119P17-0B1	16 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6120D-0B1	20 ISA	Dual
PCA-6120DP4-0B1	7 ISA, 6 PCI, 2 PICMG/PCI, 4 PICMG	Dual
PCA-6118DP7-0B1	1 ISA, 14 PCI, 3 PICMG	Dual
PCA-6120Q-0B1	20 ISA	Quad
PCA-6116QP2-0B1	1 ISA, 8 PCI, 7 PICMG	Quad
PCA-6119P16X	1 ISA, 16 PCI, 2 PICMG	Single
PCA-6120P12-0A1	7 ISA, 11 PCI,1 PICMG, 1 PICMG/PCI	Single
PCA-6120P18-0A1	1 ISA, 17 PCI, 1 PICMG, 1PICMG/PCI	Single

Storage Device Options

Part Number	Descriptions
SCD-FDD-COMBO	Storage Kit with slim 24X CD-ROM and standard 3.5" black FDD
SCD COMBO	5.25" compact storage kit with slim 24X CD-ROM and a 3.5" drive bay for FDD or HDD
9684000014	3.5" FDD with black bezel

Special Cable Options

Part Number	Descriptions
1701400970	HDD cable, ATA 33, 82 cm + 15 cm
1701400972	HDD cable, ATA 66/100, 82 cm + 15 cm
1701340970	97 cm for single FDD
9682000004	Addition reset button with cable for multi-system operation

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-623BP-400	1757240000 (single P/S)	--	UL, cUL, CE
IPC-623BP-300R	RPS-300 V	--	UL, cUL, CE
IPC-623BP-400R	RPS-40X-V	--	UL, cUL, CE
IPC-623BP-40RZ	RPS-40XZ-V	--	UL, cUL, CE
IPC-623P4-400	1757240000 (single P/S)	PCA-6120P4-0B1	UL, cUL, CE
IPC-623P4-300R	RPS-300 V	PCA-6120P4-0B1	UL, cUL, CE
IPC-623P7-300R	RPS-300 V	PCA-6119P7-0B1	UL, cUL, CE