

ACP-4000

4U 14-slot Rackmount Chassis with Front-accessible USB/PS2 Connector



Features

- Front-accessible USB and PS/2 keyboard are user-friendly to plug-in devices
- Visible alarm notification improves system availability and easy to maintain design reduces system downtime
- Compatible with Dialogic computer telephony (CT) boards providing access to a wide range of call processing application
- Advanced cooling system with two system fans, optimally placed, to cool system's key components
- Shock-resistant disk drive bay holds three 5.25" and one 3.5" front-accessible disk drives
- Flexible mechanical design supports 300 W ATX PFC PS/2 power supply and 300 W ATX PFC redundant power supply

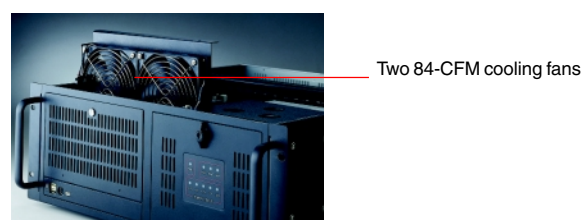
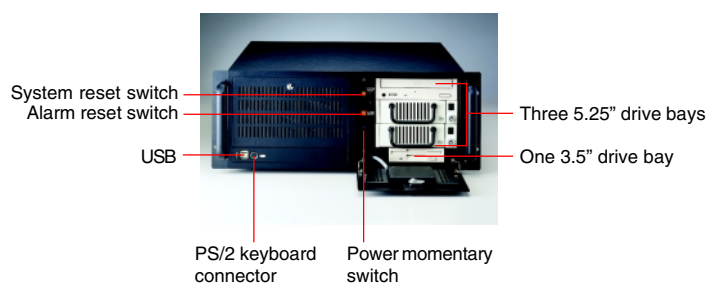
Introduction

The ACP-4000 is a 4U-high 14-slot rackmount industrial computer chassis designed for building mission-critical applications. The unit includes a versatile 14-slot passive backplane (optional), high-efficiency 300W ATX with PFC (Power Factor Correction) power supply, dual easy maintenance

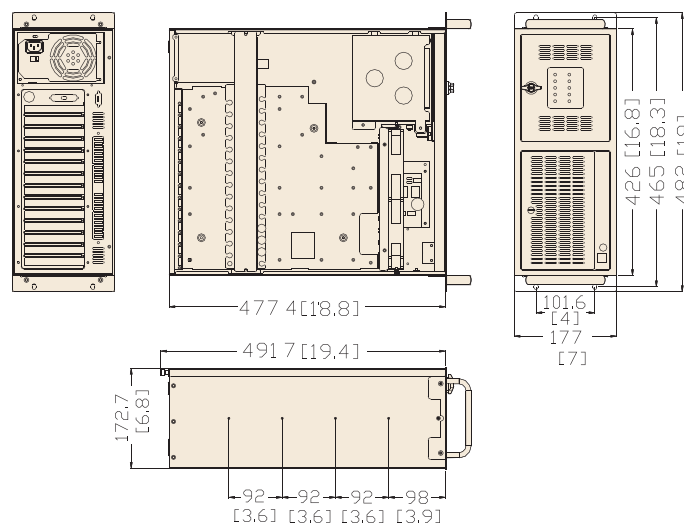
cooling fans, and supports ATX M/B form factor. A fault detection and alarm notification system monitors the systems status. A wide range of standard computing peripherals can be integrated with the chassis to meet different application requirements.

Specifications

Drive Bay	3.5"	Front-accessible	
		1	
Cooling	Fan	2 (84 CFM/each)	
		Air Filter	
I/O Interface	USB	2 (front-accessible)	
		PS/2	
Miscellaneous	Slide Rail	General Device C-300 series supported (not included)	
		Operating	
Environment	Temperature	Non-Operating	
		0 ~ 40 °C (32 ~ 104 °F)	
		-40 ~ 60 °C (-40 ~ 140 °F)	
		Humidity	
		10 ~ 95 % @ 40 °C, non-condensing	
		Vibration (5-500 Hz)	
Physical	Dimensions (W x H x D)	1 Grms	
		2 G	
		Shock	
		10 G (with 11 ms duration, half sine wave)	
Acoustic Noise	Altitude	30 G	
		Less than 52 dB sound pressure at 5 ~ 28 °C (41 ~ 82 °F)	
		0 to 3048 m (0 ~ 10,000 ft)	
Physical	Weight	482 x 177 x 480 mm (19" x 7" x 18.9")	
		12 Kg (26.4 lb)	



Dimension Diagram



Unit: mm (inch)

Passive Backplane Options

B/P Model Name	Slot	Segment
PCA-6113P4R-0C1	7 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P4-C	8 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P7-0D1	4 ISA, 6 PCI, 3 PICMG, 1 PCI/ISA	Single
PCA-6114P10-B	2 ISA, 10 PCI, 2 PICMG	Single
PCA-6114P12-0B1	1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	Single

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
PS-300ATX-Z (ATX, PFC)	300 W	AC 90 ~ 135 V AC 180 ~ 265 V (Full-range)	+5 V @ 30 A, +3.3 V @ 24 A +12 V @ 15 A, -12 V @ 0.8 A -5 V @ 0.3 A, +5 Vsb @ 2 A	+5 V @ 1 A +12 V @ 0.5 A +3.3 V @ 0.3 A	UL/cUL/CSA/CE EN61000-3-2 Class D/TÜV/Nordic/CB	100,000 hours @ 25°C 275 W load
PS-400ATX-Z (ATX, PFC)	400 W	AC 90 ~ 264 V (Full-range)	+5 V @ 42 A, +3.3 V @ 20 A +12 V @ 14 A, -12 V @ 1 A -5 V @ 1 A, +5 Vsb @ 0.75 A	+5 V @ 2.5 A +12 V @ 0.5 A +3.3 V @ 0.2 A	UL/cUL/TÜV	100,000 hours @ 25°C (75% load)
RPS-300ATX-Z (ATX, PFC)	300 W	AC 90 ~ 264 V (Full-range)	+5 V @ 25 A, +3.3 V @ 18 A +12 V @ 16 A, -12 V @ 0.5 A -5 V @ 0.5 A, +5 Vsb @ 2 A	+5 V @ 3 A +3.3 V @ 1 A +12 V @ 2 A +5 Vsb @ 0.1 A	UL/TÜV/CB	150,000 hours
PS-310-DC48 (AT)	310 W	DC -38 ~ -58 V	+5 V @ 25 A, +12 V @ 10 A -5 V @ 1 A, -12 V @ 5 A	+5 V @ 2 A	UL/CSA/CE	100,000 hours

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

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
ACP-4000BP-00P	Without power supply, with AT switch	--	None
ACP-4000BP-00X	Without power supply, with ATX switch	--	None
ACP-4000BP-30Z	PS-300ATX-Z	--	UL, cUL, CE
ACP-4000BP-40Z	PS-400ATX-Z	--	UL, cUL, CE
ACP-4000BP-30D	PS-310-DC48	--	CE
ACP-4000BP-30R	RPS-300ATX-Z	--	UL, cUL, CE