ACP-1000

1U 2-PCI 64/32-bit Rackmount Chassis with Front-accessible USB/PS2 Connector

Features

- Compact 1U-high rackmount chassis, ideal building block for business expansion
- Easy installation disk drive bay holds a slim CD-ROM and 3.5" disk drive
- Supports up to two 64-bit PCI expansion slots
- Four abundant cooling fans designed for cooling the system to minimize downtime
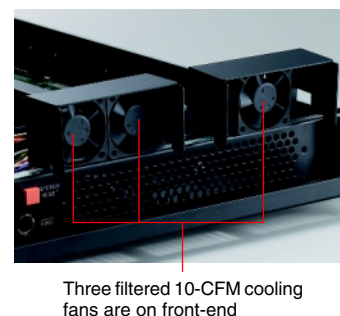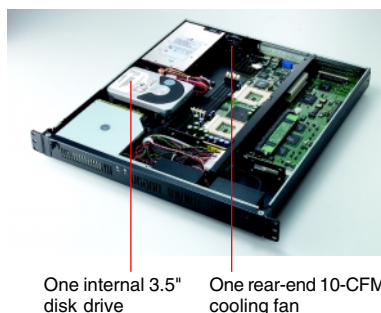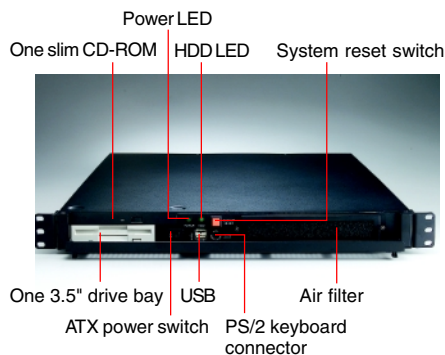
Introduction

The ACP-1000 is a reliable and stable 1U-high 3-slot 19" rackmount industrial computer chassis. This chassis can support up to two 64-bit PCI expansion slots and comes with a 200W ATX PFC power supply. In addition, four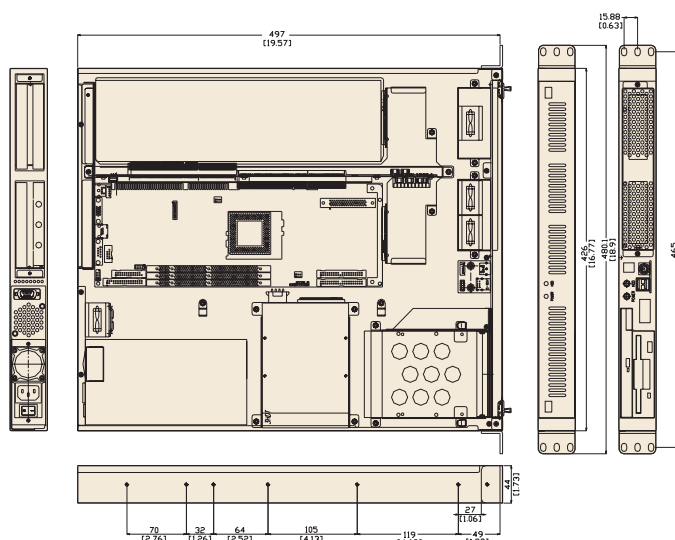 abundant cooling fans are included to form a front-to-rear air flow for outstanding ventilation. A front-access USB and PS/2 design has also been added to facilitate maintenance and access of the unit. Moreover, the ACP-1000 can accommodate various Pentium 4 CPU cards, making it the most powerful yet ultra compact 1U server.

Specifications

		Front-accessible	Internal
Drive Bay	Slim CD-ROM	1	
	3.5"	1	1
		Front-accessible	Rear Panel
Cooling	Fan	3 (10 CFM/each)	1 (10 CFM)
	Air Filter	Yes	--
I/O Interface	USB	2 (front-accessible)	
	PS/2	1 (keyboard x1, front-accessible)	
		Operating	Non-Operating
	Temperature	0 ~ 40 °C (32 ~ 104 °F)	-40 ~ 60 °C (-40 ~ 140 °F)
	Humidity	--	10 ~ 95 % @ 40 °C, non-condensing
Environment	Vibration (5-500 Hz)	1 Grms	2 G
	Shock	10 G (with 11 ms duration, half sine wave)	30 G
	Acoustic Noise	Less than 52 dB sound pressure at 5 ~ 28 °C (41 ~ 82 °F)	
	Altitude	0 to 3048 m (0 ~ 10,000 ft)	
Physical	Dimensions (W x H x D)	482 x 44 x 500 mm (19" x 1.7" x 19.7")	
	Weight	10.2 Kg (22.5 lb)	

One slim CD-ROM / Power LED / HDD LED / System reset switch / One 3.5" drive bay / ATX power switch / USB / PS/2 keyboard connector / Air filter

One internal 3.5" disk drive
One rear-end 10-CFM cooling fan

Three filtered 10-CFM cooling fans are on front-end

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Dimension Diagram

Unit: mm (inch)

CompactPCI Enclosures	1
CompactPCI Boards	2
CompactPCI Peripherals	3
Blade Servers	4
Network Appliances	5
e-Server Systems	6
Storage Subsystems	7
Industrial Computer Chassis	8
Full-sized CPU Cards	9
Passive Backplanes	10
Industrial Computer Peripherals	11

Power Supply Options

| Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
1757920000 (ATX, PFC)	200 W	AC 90 ~ 264 V (Full-range)	+5 V @ 16 A +3.3 V @ 14 A +12 V @ 9 A -12 V @ 0.7 A -5 V @ 0.2 A +5 Vsb @ 1.5 A	+5 V @ 2 A +12 V @ 1 A -5 V @ 0.1 A -12 V @ 0.1 A +3.3 V @ 0.1 A	UL/CE EN61000-3-2 Class D/TÜV	100,000 hours @ 25 °C

Storage Device Options

Part Number	Descriptions
SCD-ROM	Slim-type CD-ROM kit with 40-pin IDE connector
9684000014	3.5" FDD with black bezel

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
ACP-1000P2-20Z	1757920000	969K610300 (Two 32-bit PCI slot for expansion)	UL, cUL, CE
ACP-1000X2-20Z	1757920000	9692610333 for 64-bit Full-Sized CPU Cards only (Two 64-bit PCI slot for expansion)	UL, cUL, CE

Accessory Options

Part Number	Descriptions
9689000535	1U slide rail
1759209201	Low profile PIII socket 370 CPU cooler up to 1 GHz
1759254100	Low profile Tualatin socket 370 CPU cooler from 1 GHz to 1.26 GHz
1759252100	Low profile P4 socket 478 CPU cooler up to 2.5 GHz
P-DI256GCSNECD1	Low profile 256 MB DRAM
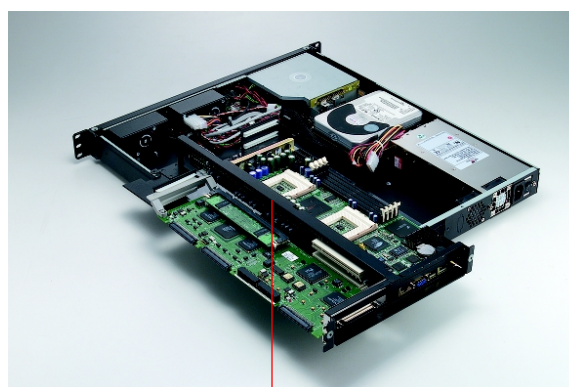
Butterfly backplane design supports two full-length 64-bit PCI expansions
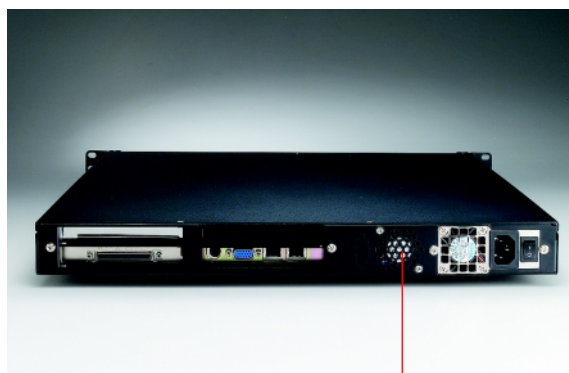
One 10-CFM cooling fan is on rear-end