ACP-1120

1U 2-PCI 64/32-bit Rackmount Chassis with IDE Data Mirroring

Features

- Compact 1U high rackmount chassis, ideal building block for business expansion
- Dual hot-swappable IDE drives for data mirroring backup and low total cost of ownership
- Easy installation disk drive bay holds one slim CD-ROM and one 3.5" disk drive
- Butterfly backplane design supports 2 full-length PCI expansion slots
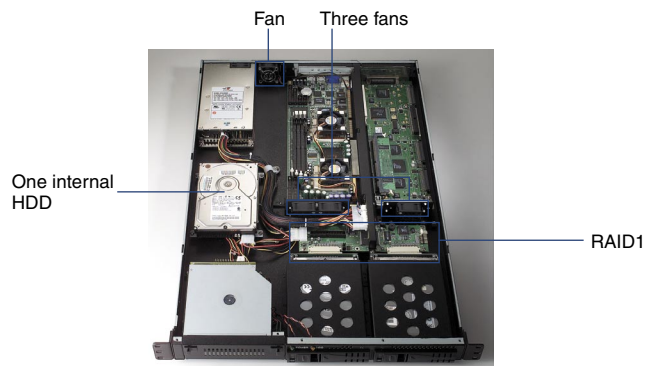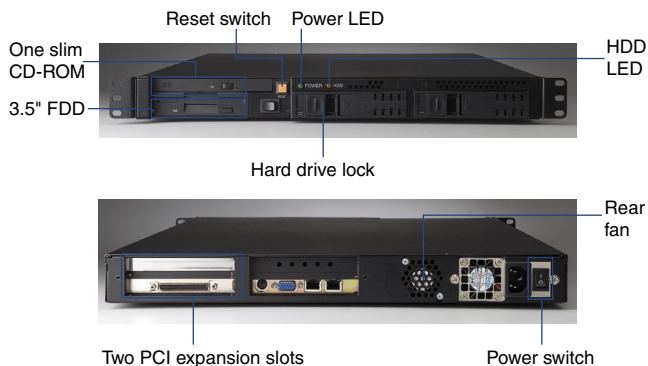- Four abundant cooling fans designed to minimize downtime
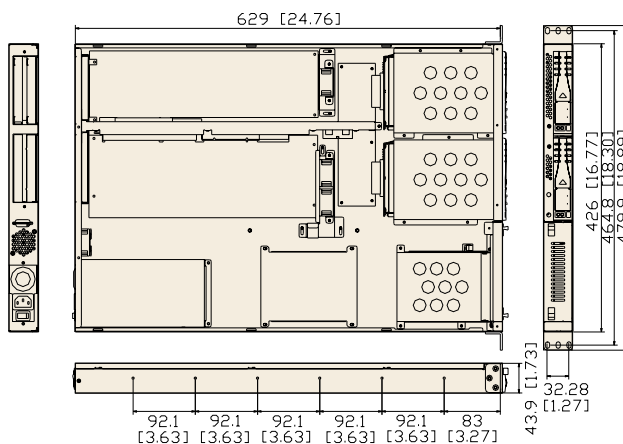
Introduction

APC-1120 is a rack-optimized 1U-high industrial computer chassis that offers superior performance and scalability for enterprise users who want to expand their businesses without increasing the data center space. Supporting dual hot-swappable IDE hard drives for data mirroring backup, the chassis is an ideal server for infrastructure and Web-hosting applications. The efficient cooling design keeps the system away from over-heating. For fast-growing Internet service providers and corporate enterprise users, ACP-1120 will satisfy as an e-server platform for internet/intranet and file and print server. The ultra-thin server with 1U form factor delivers rack space optimization without sacrificing performance, expandability, serviceability or manageability.

Specifications

		Front-accessible	Internal
Drive Bay	3.5"	2 (hot-swap), 1	1
	Slim CD-ROM	1	
RAID	Level	1 (data mirroring)	
	Auto Rebuilding	Yes	
Cooling	Fan	4 (10 CFM/each)	
Miscellaneous	Rear Panel	D-SUB 9-pin bracket	
		Operating	Non-Operating
Environment	Temperature	0 ~ 40 °C (32 ~ 104 °F)	-20 ~ 60 °C (-4 ~ 140 °F)
	Humidity	--	10 ~ 95 % @ 40 °C, non-condensing
	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 629 mm (19" x 1.7" x 24.76")	
	Weight	8.0 Kg (17.6 lb)	

Reset switch   Power LED

One slim CD-ROM

3.5" FDD

HDD LED

Hard drive lock

Two PCI expansion slots   Power switch

Rear fan

Fan   Three fans

One internal HDD

RAID1

Dimension Diagram

629 [24.76]

426 [16.77]
464.8 [18.30]
479.9 [18.89]

43.9 [1.73]
32.28 [1.27]

92.1 [3.63] 92.1 [3.63] 92.1 [3.63] 92.1 [3.63] 92.1 [3.63] 83 [3.27]

Unit: mm (inch)

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/cUL/CE EN61000-3-2 Class D/TUV/CCC	100,000 hours @ 25 °C
1757918000 (ATX)	180 W	$-40V_{DC}$ ~ $-56V_{DC}$	+5 V @ 20 A +3.3 V @ 12 A +12 V @ 7 A -12 V @ 1 A -5 V @ 0.5 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 @ 1 A +5 Vsb @ 0.1 A	UL/cUL/CE EN61000-3-2 Class D/TUV/CCC	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

Accessory Options

Part Number	Descriptions
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
1759214200	Low profile P4 socket 478 CPU cooler up to 2.8 GHz

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
ACP-1120P2-20Z	1757920000	PCA-6103P2V-0A1 (Two 32-bit PCI slot for expansion)	UL,cUL,CE
ACP-1120X2-20Z	1757920000	PCA-6103P2VX-B2 for 64-bit Full-sized CPU Cards only (Two 64-bit PCI slot for expansion)	UL,cUL,CE
ACP-1120P2-18D	1757918000	PCA-6103P2V-0A1 (Two 32-bit PCI slot for expansion)	UL,cUL,CE
ACP-1120X2-18D	1757918000	PCA-6103P2VX-B2 for 64-bit full-sized CPU cards only (Two 64-bit PCI slot for expansion)	UL,cUL,CE

Removable cover   Two hot-swappable HDDs