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Industrial Computer Chassis



Specifications		Model Name	ACP-1120	ACP-1000	ACP-2000	IPC-602	ACP-4000	IPC-623
Height (1U=1.75")			1U	1U	2U	2U	4U	4U
No. of Slots (max.)/ No. of full sized card			3/3	3/3	6/6	6/6	14/11	20/20
Drive Bay	Slim CD-ROM		1	1	1(0)	--	--	--
	3.5"		2/2	2	2(1)	2	1	2
	5.25"				0(1)	1	3	3
Cooling	No. of Fans		4	4	2	2	2	3
	CFM		10 CFM/each	10 CFM/each	57 CFM/each	42 CFM/each	86 CFM/each	86 CFM/each
ISA Backplanes			--	--	--	--	--	1,2, or 4 segment
PICMG Backplanes			--	--	1 segment	1 segment	1 segment	1,2, or 4 segment
Power	AC 110/220 V input		200 W ATX/PFC	200 W ATX/PFC	300 W ATX/PFC 300 W ATX/PFC RPS	260 W AT 250 W ATX 300 W ATX 300 W ATX/PFC	300 W ATX/PFC 400 W ATX/PFC 300 W ATX/PFC RPS	300 W AT RPS 400 W ATX/PFC RPS
	DC -48V input		180 W	180 W	310 W AT	310 W AT	310 W AT	--
System Fault Detection			No	No	Yes	No	Yes	Yes
Dimensions (W x H x D)	mm		482 x 44 x 629	482 x 44 x 500	482 x 88 x 450	482 x 88 x 450	482 x 177 x 480	482 x 177 x 660
	inches		19 x 1.7 x 24.8	19 x 1.7 x 19.7	19 x 3.46 x 17.7	19 x 3.5 x 17.7	19 x 7 x 18.9	19 x 7 x 26
Weight	Kg		10	8	13	13	14	26
	lb		22.0	17.6	28.6	28.6	30.8	57.2
			8-4	8-6	8-8	8-10	8-12	8-14



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IPC-611



CT-500

IPC-616	IPC-615	IPC-611	IPC-610	CT-500	SPC-530	SPC-520
4U	4U	4U	4U	5U	5U	5U
14/10	15/15	14/10	14/10	20/20	20/20	9/9
--	--	--	--	--	--	--
2	1	2	2	--	--	--
3	2	3	3	6	6	10
2	2	1	1	3	3	3
53 CFM/each	86 CFM/each	84 CFM	86 CFM	115 CFM/each	114 CFM/each	114 CFM/each
--	1 segment	1 segment	1 segment	1 segment	--	--
1 segment	1 segment	1 segment	1 segment	1 segment	1 segment	1 segment
300 W ATX 300 W ATX/PFC 400 W ATX/PFC	300 W AT 300 W ATX 300 W ATX/PFC 400 W ATX/PFC 250 W AT RPS	250 W ATX/PFC 300 W ATX/PFC 300 W ATX/PFC RPS	260 W AT 250 W ATX 300 W ATX 300 W ATX/PFC 400 W ATX/PFC 250 W AT RPS	840 W ATX PFC	400 W ATX RPS	400 W ATX 400 W ATX RPS
310 W AT	310 W AT	310 W AT	310 W AT	--	--	optional
Yes	Yes	No	No	Yes	Yes	Yes
482 x 177 x 478	482 x 177 x 478	482 x 177 x 480	482 x 177 x 452	482 x 222 x 660	482 x 222 x 660	482 x 222 x 660
19 x 7 x 18.8	19 x 7 x 18.8	19 x 7 x 18.9	19 x 7 x 17.8	19 x 8.75 x 26	19 x 8.75 x 26	19 x 8.75 x 26
16	20	10.2	17.5	23	21	20
35.2	44.0	22.5	38.5	50.7	46.2	44.0
8-16	8-18	8-20	8-22	8-24	8-26	8-28

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Industrial Computer Chassis



IPC-622

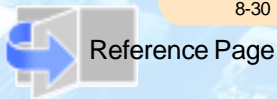


ACP-7000



IPC-6608

Specifications		Model Name	IPC-622	ACP-7000	IPC-6908	IPC-6608	IPC-6806
Height (1U=1.75")			6U	7U	--	--	--
No. of Slots (max.)/ No. of full sized card			20/20	20/20	8/8	8/8	6/6
Drive Bay	Slim CD-ROM		--	1	--	--	--
	3.5"		0	1	2	1	2
	5.25"		4	2	2	2	0
Cooling	No. of Fans		4	4	2	1	1
	CFM		49 CFM/each	58 CFM/each	49 CFM/each	86 CFM	49 CFM
ISA Backplanes			1,2, or 4 segment	1,2, or 4 segment	1 segment	1 segment	1 segment
PICMG Backplanes			1,2, or 4 segment	1,2, or 4 segment	1 segment	1 segment	1 segment
Power	AC 110/220 V input		400 W ATX/PFC 300 W AT RPS 400 W ATX/PFC RPS	460 W ATX/PFC RPS (1+1) 570 W ATX/PFC RPS (2+1) 810 W ATX/PFC RPS (3+1)	260 W AT 250 W ATX 300 W ATX 300 W ATX/PFC 400 W ATX/PFC 250 W AT RPS	260 W AT 250 W ATX 300 W ATX/PFC	200 W AT/PFC
	DC -48V input		300 W redundant	--	310 W AT	310 W AT	--
System Fault Detection			Yes	Yes	Yes	No	No
Dimensions (W x H x D)	mm		483 x 266 x 462	482 x 307 x 500	200 x 300 x 463	173 x 315 x 410	166 x 170 x 393
	inches		19 x 10.5 x 18	19 x 12.1 x 19.7	7.9 x 11.8 x 18.2	6.8 x 12.4 x 16.1	6.5 x 6.7 x 15.4
Weight	Kg		30	35	12	5.6	5.6
	lb		66.0	77.0	26.4	12.3	12.3
			8-30	8-32	8-34	8-36	8-38



Reference Page



IPC-6806



IPC-6606



IPC-644

IPC-6806WH	IPC-6806S	IPC-6606	IPC-644	MBPC-641	IPC-6006P	IPC-6006S
--	--	--	--	--	--	--
6/6	6/0	6/6	4/0	4/0	6/6	6/0
--	--	--	--	--	--	--
2	2	2	2	0	0	0
1	0	1	0	0	0	0
1	1	1	2	1	0	0
49 CFM	49 CFM	49 CFM	49/19 CFM	49 CFM	--	--
1 segment	1 segment	1 segment	1 segment	1 segment	1 segment	1 segment
1 segment	--	1 segment	--	--	1 segment	--
200 W AT/PFC	100 W AT 150 W AT/PFC	250 W ATX 300 W ATX	80 W 60 W	65 W 60 W	--	--
--	--	--	60 W DC 48 V 60 W DC 24 V	60 W DC 48 V 60 W DC 24 V	--	--
No	No	No	No	No	No	No
198 x 213 x 393	196 x 170 x 282	173 x 254 x 396	135 x 209 x 305	114 x 197 x 245	158 x 186 x 368	158 x 186 x 215
7.8 x 8.4 x 15.4	7.7 x 6.7 x 11.1	6.8 x 10 x 15.6	5.3 x 8.2 x 12	4.5 x 7.8 x 9.6	6.2 x 7.3 x 14.5	6.2 x 7.3 x 8.4
6	4.5	6.2	3.8	2.8	2.2	1.6
13.2	9.9	13.6	8.4	6.2	4.8	3.5
8-38	8-38	8-40	8-42	8-44	8-45	8-45

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ACP-1120

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



NEW

Features

- Compact 1U high, ideal building block for business expansion
- Dual hot-swappable IDE drivers for data mirroring backup provides the total cost of ownership
- Easy installation disk drive bay holds one slim CD-ROM and one 3.5" disk driver
- Butterfly backplane design supports full-length 2-PCI 64/32-bit for expansion
- One rear-end cooling fan draws thermal out, and supports streamline and efficiency cooling system to minimize system down time

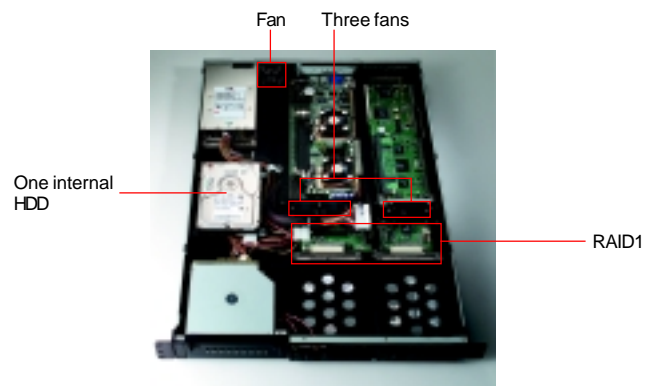
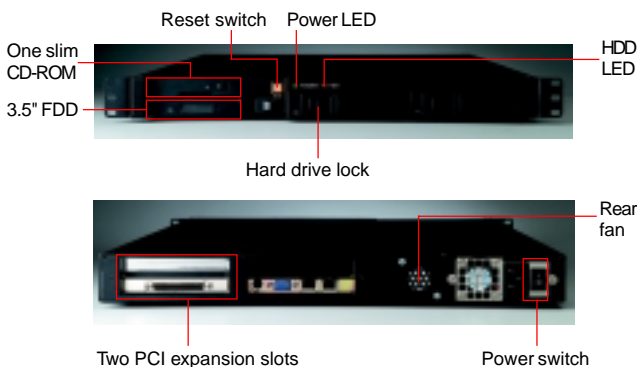
Introduction

The APC-1120 is a rack-optimized server that offers superior performance and scalability for customers who want to expand their businesses without having to increase their data center space. It is an ideal server for infrastructure and Web-hosting applications with up to two-way processors, dual hot-swappable IDE hard drives for data mirroring backup, and two PCI full-length 64-bit I/O slot. The best streamline and efficient cooling system was designed to minimize system down time and low total

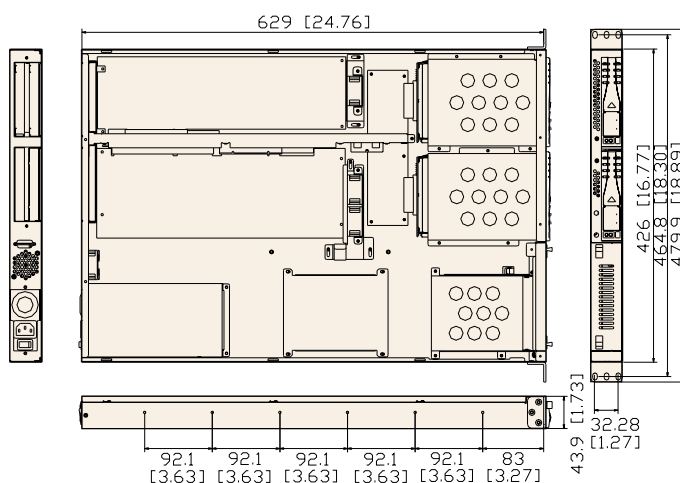
cost of ownership. For fast-growing Internet service providers and corporate enterprise customers, the ACP-1120 will satisfy as an e-server platform for internet/intranet or file and print server. The ultra-thin server with 1U form factor delivers rack space optimization without sacrificing performance, expandability, serviceability or manageability.

Specifications

Drive Bay	3.5"	Front-accessible	Internal
	Slim CD-ROM	2 (hot-swap), 1	1
RAID	Level	1 (data mirroring)	
	Auto Rebuilding	Yes	
Cooling	Fan	4 (10 CFM/each)	
Miscellaneous	Rear Panel	D-SUB 9-pin bracket	
Environment	Temperature	Operating	Non-Operating
	Humidity	0 ~ 40 °C (32 ~ 104 °F)	-40 ~ 60 °C (-40 ~ 140 °F)
	Vibration (5-500 Hz)	--	10 ~ 95 % @ 40 °C, non-condensing
	Shock	0.5 Grms	2 G
	Acoustic Noise	10 G (with 11 ms duration, half sine wave)	30 G
	Altitude	Less than 52 dB sound pressure at 5 ~ 28 °C (41 ~ 82 °F)	
Physical	Dimensions (W x H x D)	482 x 44 x 629 mm (19" x 1.7" x 24.76")	
	Weight	10.2 Kg (22.5 lb)	



Dimension Diagram



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/CE EN61000-3-2 Class D/TUV	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/TUV	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-1120P2-20Z	1757920000	PCA-6103P2V-0B2 (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-0B2 (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

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-DI256GBSNECD1	Low profile 256 MB DRAM



Removable cover

Two hot-swappable HDDs

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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 driver
- Supports up to two 64-bit PCI expansion slots
- Four abundant cooling fans designed for cooling the system to minimize downtime

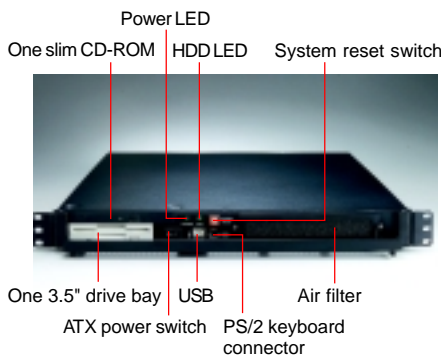
Introduction

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

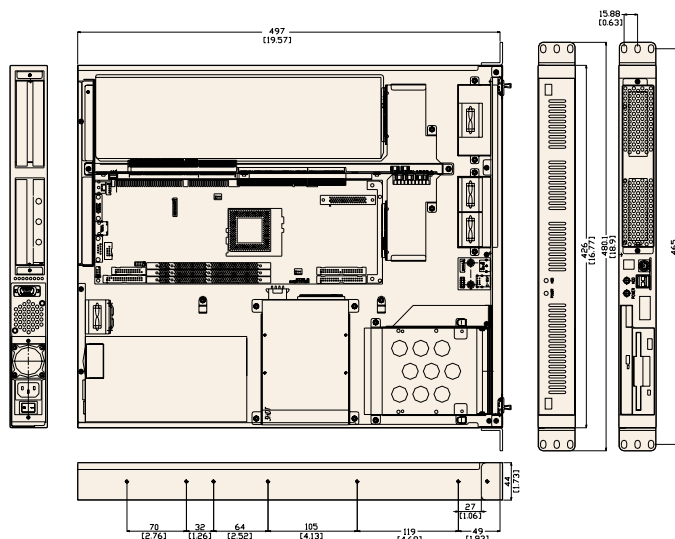
air flow for outstanding ventilation. A front-access USB and PS/2 design has also been added to facilitate maintenance and access of the unit. Moreover, the ACP-1000 can accommodate various Pentium 4 CPU cards, making it the most powerful yet ultra compact 1U server.

Specifications

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



Dimension Diagram



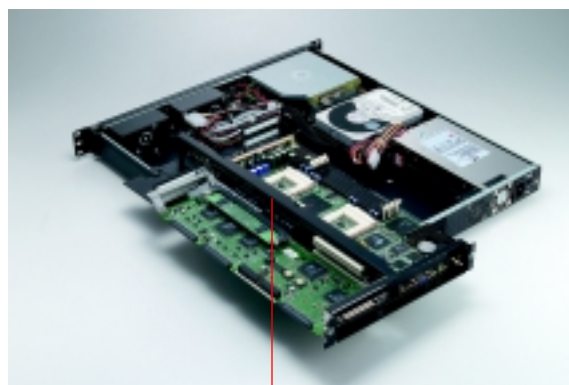
Unit: mm (inch)

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/CE EN61000-3-2 Class D/TUV	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



Butterfly backplane design supports two full-length 64-bit PCI expansions

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
ACP-1000P2-20Z	1757920000	PCA-6103P2V-0B2 (Two 32-bit PCI slot for expansion)	UL, cUL, CE
ACP-1000X2-20Z	1757920000	PCA-6103P2VX-B2 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-DI256GBSNECD1	Low profile 256 MB DRAM



One 10-CFM cooling fan is on rear-end

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ACP-2000

2U 6-slot/5-slot Rackmount Chassis with Front-accessible USB/PS2 Connector



Features

- Compact 2U-high rackmount chassis, ideal building block for business expansion
- Shock-resistant disk drive bay holds one slim CD-ROM and two 3.5" disk drives for data mirroring applications
- Butterfly backplane design supports 3-slot or 4-slot PCI expansion
- Flexible mechanical design supports 300 W ATX PFC PS/2 power supply and 300 W ATX PFC redundant power supply
- Special modular design allows users to maintain the system with minimum downtime

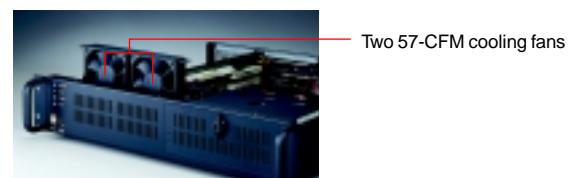
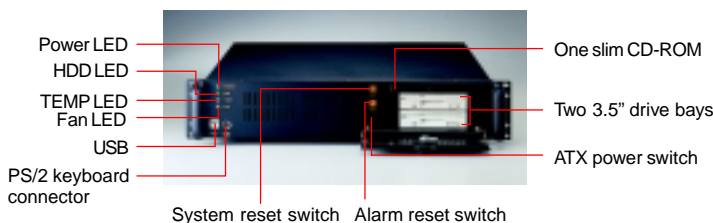
Introduction

The ACP-2000 is a compact, yet rugged 2U-high 19" rackmount Industrial Computer chassis designed for space-conscious applications. Customers can expand their business without having to worry about space efficiency because the ACP-2000 is only 2U-high and satisfies CT, voice portal, high-density voice processing and networking application requirements.

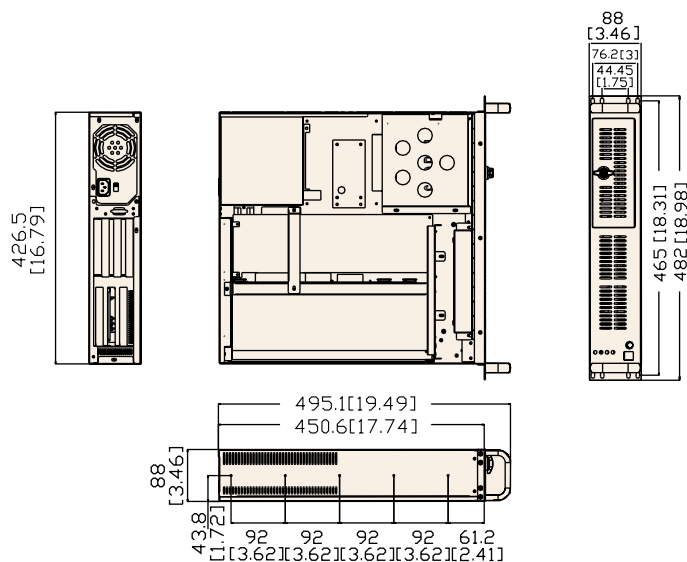
Fast-growing Internet service providers and corporate enterprise customers can use the ACP-2000 as eServer platforms for their internet/intranet, proxy, caching, access, DNS, or file and print server. The ultra-thin 2U form factor delivers rack space optimization without sacrificing performance, expandability, serviceability, or manageability.

Specifications

Drive Bay	Slim CD-ROM	1	Front-accessible
	3.5"	2	
Cooling	Fan	2 (57 CFM/each)	
	Air Filter	Yes	
I/O Interface	USB	2 (front-accessible)	
	PS/2	1 (keyboard x1, front-accessible)	
Miscellaneous	Slide Rail	General Device C-300 series supported (not included)	
Environment	Temperature	Operating 0 ~ 40 °C (32 ~ 104 °F)	Non-Operating -40 ~ 60 °C (-40 ~ 140 °F)
	Humidity	--	10 ~ 95 % @ 40 °C, non-condensing
	Vibration (5-500 Hz)	0.5 Grms	2 G
	Shock	15 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 88 x 450 mm (19" x 3.46" x 17.7")	
	Weight	10.2 Kg (22.5 lb)	



Dimension Diagram



Unit: mm (inch)

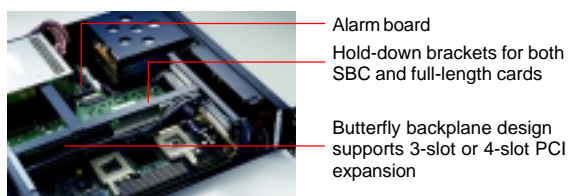
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Power Supply Options

Part Number	Watt	Input	Specifications			
			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
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 @ 1.5 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

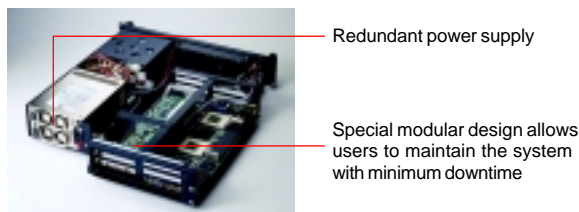
Storage Device Options

Part Number	Descriptions
SCD-ROM	Slim-type CD-ROM kit with 40-pin IDE connector
SCD-FDD-COMBO	Storage kit with slim 24X CD-ROM and standard 3.5" black FDD
9684000014	3.5" FDD with black bezel



Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
ACP-2000P3-00P	Without power supply, with AT switch	PCA-6106P3V	None
ACP-2000P3-00X	Without power supply, with ATX switch	PCA-6106P3V	None
ACP-2000P3-30Z	PS-300ATX-Z	PCA-6106P3V	UL, cUL, CE
ACP-2000P3-30D	PS-310-DC48	PCA-6106P3V	CE
ACP-2000P3-30R	RPS-300ATX-Z	PCA-6106P3V	UL, cUL, CE
ACP-2000P4-00X	Without power supply, with ATX switch	PCA-6105P4V	None
ACP-2000P4-30Z	PS-300ATX-Z	PCA-6105P4V	UL, cUL, CE
ACP-2000P4-30R	RPS-300ATX-Z	PCA-6105P4V	UL, cUL, CE



IPC-602

2U 6-slot Rackmount Chassis



Features

- 2U-high 6-slot rackmount chassis
- Butterfly backplane design
- 300 W ATX power supply
- Two filtered 42-CFM cooling fans
- Recommended CPU cards for optimum integration

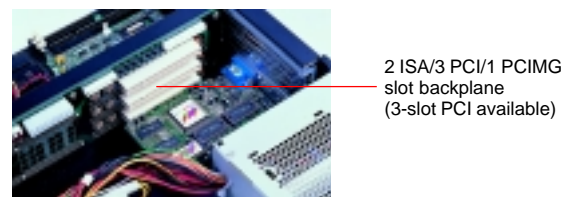
Introduction

The IPC-602 is a slim rugged 2U-high 19" rackmount industrial computer chassis designed for space-limited applications. Only 2U in height, the IPC-602 provides the space efficiency required in applications such as CT

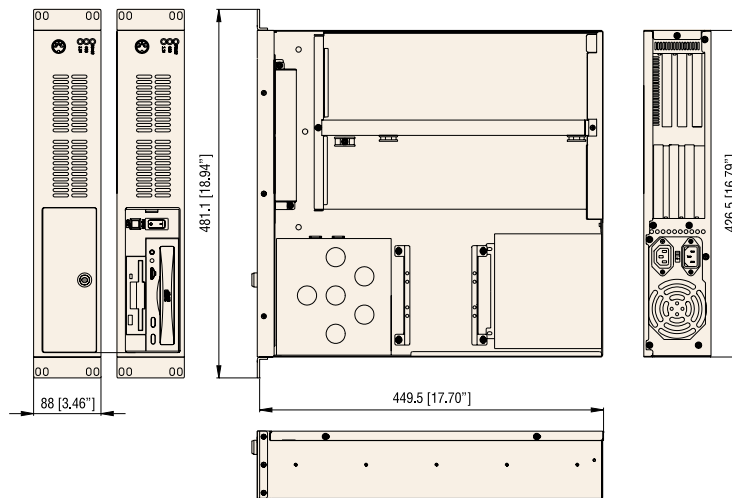
and networking. It can accommodate a six-PCI/ISA backplane with a butterfly design. In addition, the IPC-602 has easy-to-replace fans and filter, giving you greater serviceability for the system.

Specifications

Drive Bay	3.5"	Front-accessible 1	Internal 1
	5.25"	1	
Cooling	Fan	2 (42 CFM/each)	
	Air Filter	Yes	
I/O Interface	PS/2	1 (keyboard, front-accessible)	
Miscellaneous	Indicator	LED displays for power on, +3.3 VDC status and HDD activity	
	Keyboard Connector	Reserved 9-pin and 25-pin brackets at rear panel	
Environment	Temperature	Operating 0 ~ 40 °C (32 ~ 104 °F)	Non-Operating -40 ~ 60 °C (-40 ~ 140 °F)
	Humidity	--	10 ~ 95 % @ 40 °C, non-condensing
	Vibration (5-500 Hz)	0.5 Grms	2 G
	Shock	15 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 88 x 450 mm (19" x 3.5" x 17.7")
	Weight	10 Kg (22 lb)	



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
- Industrial Computer Peripherals 10

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
PS-300ATX (ATX)	300 W	AC 110/220 V	+5 V @ 30 A +3.3 V @ 26 A +12 V @ 13 A -12 V @ 0.8 A -5 V @ 0.5 A +5 Vsb @ 2 A	+5 V @ 1 A +12 V @ 0.2 A	UL/CSA/TUV/CE/Nordic/CB	100,000 hours @ 25 °C full load
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
PS-260-610E (AT)	260 W	AC 110/220 V	+5 V @ 25 A +12 V @ 9 A -5 V @ 0.5 A -12 V @ 2 A	+5 V @ 1 A +12 V @ 0.1 A	UL/CSA/CE/TUV	140,000 hours @ 50 °C full load
PS-250X-DPS (ATX)	250 W @ 25 °C 200 W @ 50 °C	AC 110/220 V	+5 V @ 25 A +12 V @ 8 A -5 V @ 0.5 A -12 V @ 0.8 A +3.3 V @ 14 A +5 Vsb @ 1 A	+5 V @ 1.5 A +12 V @ 0.2 A	UL/CSA/TUV/CE/Nordic/CB	100,000 hours @ 25 °C full load
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/TUV/Nordic/CB	100,000 hours @ 25 °C 275 W load

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
968400014	3.5" FDD with black bezel

Special Cable Options

Part Number	Descriptions
1701400652	HDD cable, ATA 66/100, 45 cm + 20 cm

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-602P3-00P	Without power supply, with AT switch	PCA-6106P3V	None
IPC-602P3-00X	Without power switch, with ATX switch	PCA-6106P3V	None
IPC-602P3-25X	PS-250-DPS	PCA-6106P3V	UL, cUL, CE
IPC-602P3-26P	PS-260-610E	PCA-6106P3V	UL, cUL, CE
IPC-602P3-30X	PS-300ATX	PCA-6106P3V	UL, cUL, CE
IPC-602P3-30D	PS-310-DC48	PCA-6106P3V	UL, cUL, CE
IPC-602P3-30Z	PS-300ATX-Z	PCA-6106P3V	UL, cUL, CE
IPC-602P4-00X	Without power switch, with ATX switch	PCA-6105P4V	None
IPC-602P4-25X	PS-250-DPS	PCA-6105P4V	UL, cUL, CE
IPC-602P4-30X	PS-300ATX	PCA-6105P4V	UL, cUL, CE
IPC-602P4-30Z	PS-300ATX-Z	PCA-6105P4V	UL, cUL, CE

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

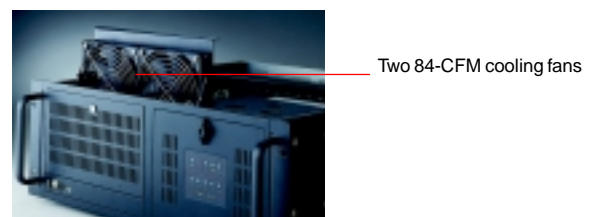
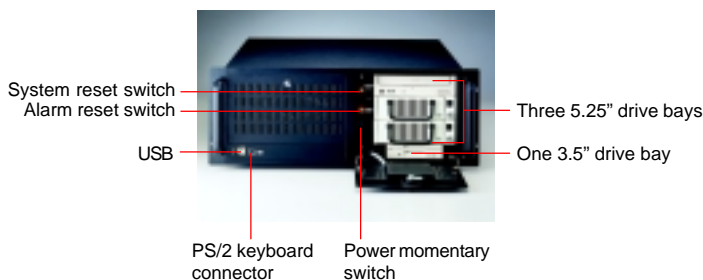
Introduction

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

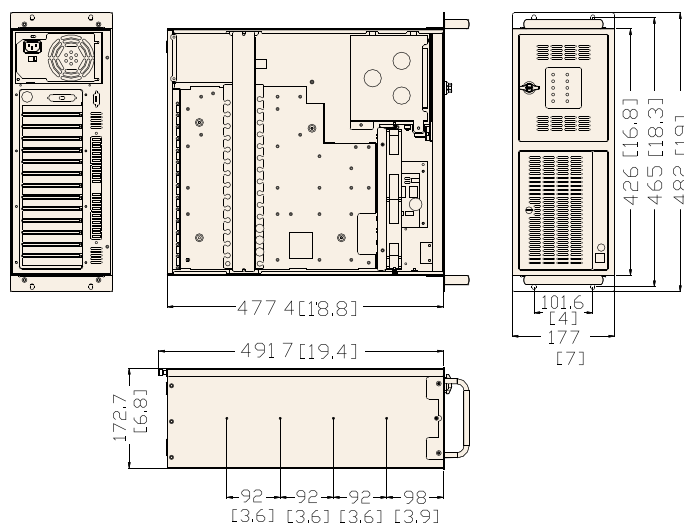
cooling fans, and supports ATX M/B form factor. A fault detection and alarm notification system monitors the systems status. A wide range of standard computing peripherals can be integrated with the chassis to meet different application requirements.

Specifications

Drive Bay	3.5"	1	Front-accessible
	5.25"	3	
Cooling	Fan	2 (84 CFM/each)	
	Air Filter	Yes	
I/O Interface	USB	1 (front-accessible)	
	PS/2	1 (keyboard x1, front-accessible)	
Miscellaneous	Slide Rail	General Device C-300 series supported (not included)	
Environment	Temperature	Operating 0 - 40 °C (32 - 104 °F)	Non-Operating -40 - 60 °C (-40 - 140 °F)
	Humidity	--	10 - 95 % @ 40 °C, non-condensing
	Vibration (5-500 Hz)	0.5 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 177 x 480 mm (19" x 7" x 18.9")	
	Weight	12 Kg (26.4 lb)	



Dimension Diagram



Unit: mm (inch)

Passive Backplane Options

B/P Model Name	Slot per Segment (ISA/PCI/CPU)	Segment
PCA-6113P4R	8/4/1	Single
PCA-6114P4-C	9/4/1	Single
PCA-6114P7-0D1	6/7/1	Single
PCA-6114P10-B	3/10/1	Single
PCA-6114P12	1/12/1	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

- 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
- Industrial Computer Peripherals 10

IPC-623

4U 20-slot Rackmount Chassis with Front-accessible and Hot-swap Redundant Power Supply



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

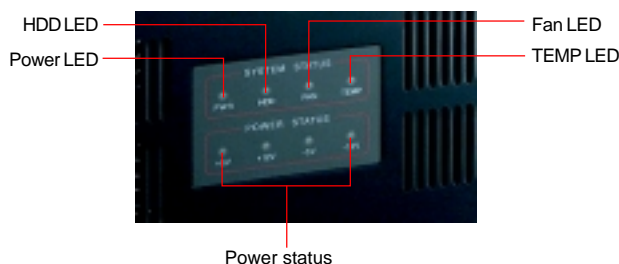
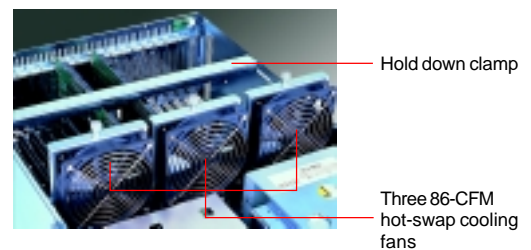
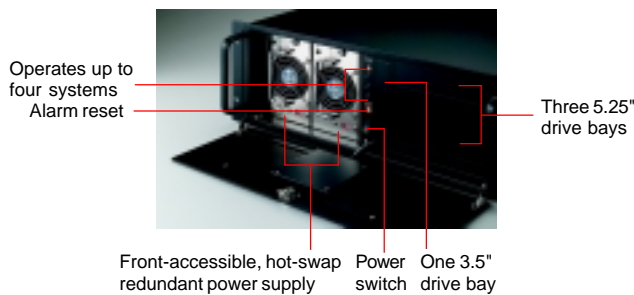
Introduction

The IPC-623 is a 4U height 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. The 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.

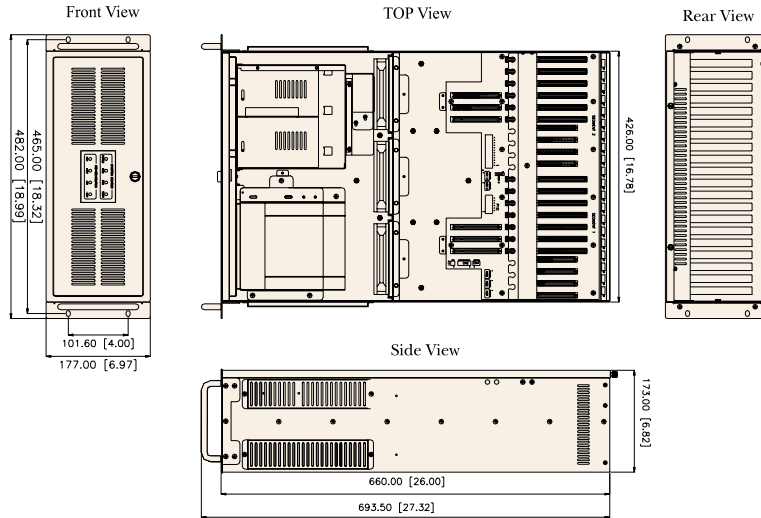
Some come with a PCI bridge to support more PCI slots for different applications. In addition, the IPC-623 also features advanced fault resilient capability. An audible alarm is activated for power failure and fan failure or overheating which makes it an ideal solution for a number of mission-critical 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)	



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
- Industrial Computer Peripherals 10

Passive Backplane Options

B/P Model Name	Slot per Segment (ISA/PCI/CPU)	Segment
PCA-6120-0B1	20 ISA	Single
PCA-6120P4-0B1	15/4/1	Single
PCA-6119P7-0B1	11/7/1	Single
PCA-6119P12	8/10/1	Single
PCA-6119P17-0B1	1/17/1	Single
PCA-6120D-0B1	10 ISA	Dual
PCA-6120DP4-B1	5/4/1	Dual
PCA-6118DP7-0B1	1/7/1	Dual
PCA-6120Q-0B1	5 ISA	Quad
PCA-6116QP2-0B1	1/2/1	Quad

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

Power Supply Options

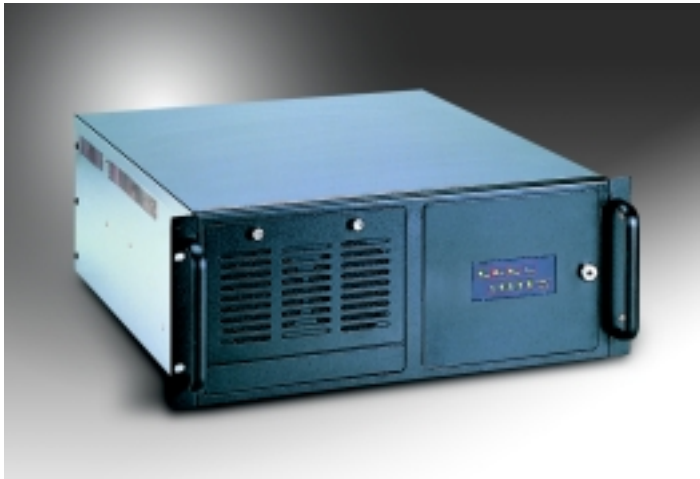
Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
RPS-300V	300 W AT	AC 115/230 V (selectable)	+5 V @ 30 A +12 V @ 12 A -5 V @ 0.5 A -12 V @ 0.5 A	+5 V @ 3 A +12 V @ 1 A	CE/UL/TUV/CSA	100,000 hours @ 25 °C
RPS-40XZ-V	400 W ATX PFC	AC 90 - 264 V (Full-range)	+5 V @ 42 A +3.3 V @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

Ordering Information

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

IPC-616

4U 14-slot Rackmount Chassis with Front-accessible and Hot-swap Fans



Features

- 4U-high 14-slot rackmount chassis
- Supports up to three 5.25" and two 3.5" HDDs
- 300 W ATX or 310 W DC power supply option
- Two 53-CFM front-access hot-swap cooling fans

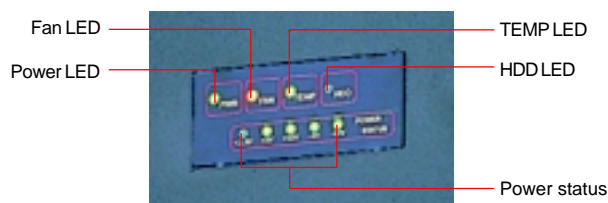
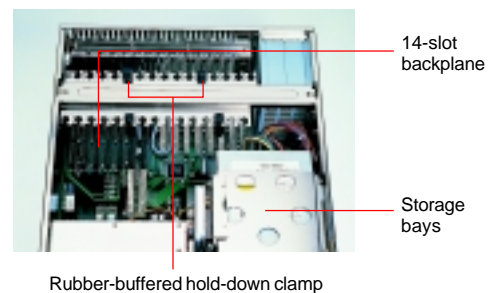
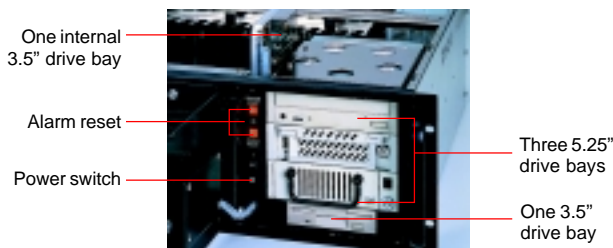
Introduction

The IPC-616 is a 4U 19" rackmount industrial computer 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 higher 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

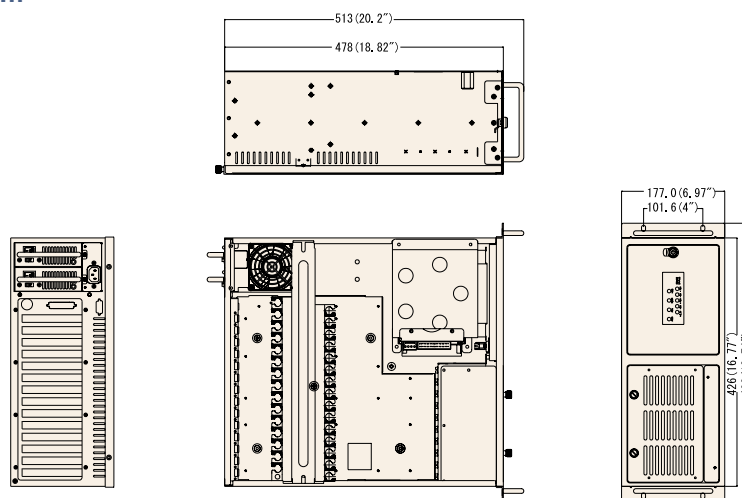
		Front-accessible	Internal
Drive Bay	3.5"	1	1
	5.25"	3	
Cooling	Fan	2 (hot-swap, 53 CFM/each)	
	Air Filter	Yes	
Miscellaneous	Hold-down Clamp	Rubber-buffered hold-down clamp	
Physical	Dimensions (W x H x D)	482 x 177 x 478 mm (19" x 7" x 18.8")	
	Weight	16 Kg (35.2 lb)	



Two 53-CFM front-accessible hot-swap cooling fans



Dimension Diagram



Unit: mm (inch)

Passive Backplane Options

B/P Model Name	Slot per Segment (ISA/PCI/CPU)	Segment
PCA-6114P4-C	9/4/1	Single
PCA-6114P7-OD1	6/7/1	Single
PCA-6114P10-B	3/10/1	Single
PCA-6113P4R	8/4/1	Single
PCA-6114P12	1/12/1	Single
PCA-6113P7X	5/7(64-bit)/1	Single

Storage Device Options

Part Number	Descriptions
SCD-ROM	Slim-type CD-ROM kit with 40-pin IDE connector
SCD-FDD-COMBO	Storage kit with slim 24X CD-ROM and standard 3.5" black FDD
968400014	3.5" FDD with black bezel

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
PS-300ATX (ATX)	300 W	AC 110/220 V	+5 V @ 30 A +3.3 V @ 26 A +12 V @ 13 A -12 V @ 0.8 A -5 V @ 0.5 A +5 Vsb @ 2 A +5 V @ 30 A	+5 V @ 1 A +12 V @ 0.2 A	UL/CSA/ TUV/CE/ Nordic/CB	100,000 hours @ 25 °C full load
PS-300ATX-Z (ATX, PFC)	300 W	AC 90 - 135 V AC 180 - 265 V (Full-range)	+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 @ 42 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/TUV/ Nordic/CB	100,000 hours @ 25 °C 275 W load
PS-400ATX-Z (ATX, PFC)	400 W	AC 90 - 264 V (Full-range)	+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 A +12 V @ 0.5 A +3.3 V @ 0.2 A	UL/cUL/TUV	100,000 hours @ 25 °C (75 % load)

Special Cable Options

Part Number	Descriptions
1701400971	HDD cable, ATA 33, 62 cm + 35 cm
1701400973	HDD cable, ATA 66/100, 62 cm + 35 cm

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-616BP-00P	Without power supply, with AT switch	--	None
IPC-616BP-00X	Without power supply, with ATX switch	--	None
IPC-616BP-30X	PS-300ATX	--	UL, cUL, CE
IPC-616MB-30X	PS-300ATX	(motherboard version)	None
IPC-616BP-30Z	PS-300ATX-Z	--	UL, cUL, CE
IPC-616BP-40Z	PS-400ATX-Z	--	UL, cUL, CE

- 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
- Industrial Computer Peripherals 10

IPC-615

4U 15-slot Rackmount Chassis for 15 Full-length Cards



Features

- 4U-high 15-slot rackmount chassis (supports full-length cards)
- Versatile power supply options
- Fault detection/alarm notification
- Two filtered 86-CFM cooling fans

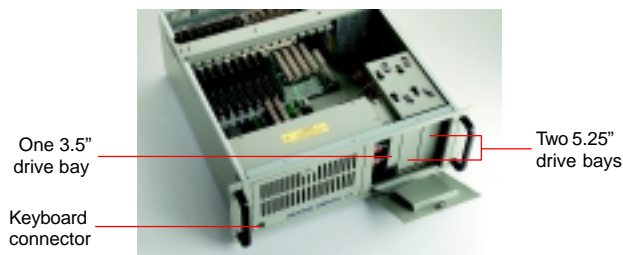
Introduction

The IPC-615 is a 15-slot, 19" rackmount industrial computer chassis which can accept up to 15 ISA/PCI full-length cards. The IPC-615 has a versatile power supply option and a front-accessible disk drive bay that can hold two half-height and one 3.5" storage devices. It also features an advanced fault detection and alarm notification system. The IPC-615

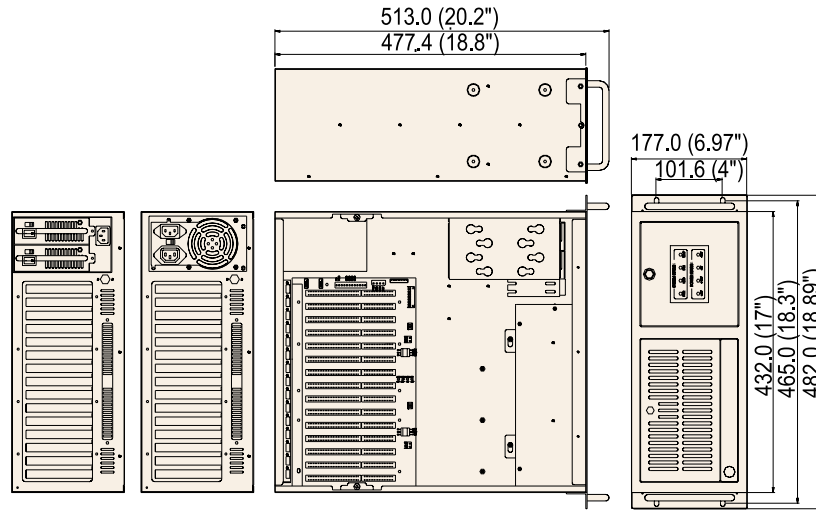
monitors its own hardware status for fan failure and overheating. If a malfunction is detected, an audible alarm will alert users of required maintenance. Problems can be clearly identified through the IPC-615's LED status panel located at the front of the unit.

Specifications

Drive Bay	3.5"	Front-accessible
	5.25"	1 (vertical)
		2 (vertical)
Cooling	Fan	2 (86 CFM/each)
	Air filter	Yes
Miscellaneous	Hold-down clamp	Rubber-buffered hold-down clamp
Physical	Dimensions (W x H x D)	482 x 177 x 478 mm (19" x 7" x 18.8")
	Weight	20 Kg (44 lb)



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
- Industrial Computer Peripherals 10

Passive Backplane Options

B/P Model Name	Slot per Segment (ISA/PCI/CPU)	Segment
PCA-6114P4-C	9/4/1	Single
PCA-6114P7-0D1	6/7/1	Single
PCA-6114P10-B	3/10/1	Single
PCA-6114P12	1/12/1	Single
PCA-6113P7X	5/7(64-bit)/1	Single

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-615BP-00PB	Without power supply, with AT switch	--	None
IPC-615BP-00XB	Without power supply, with ATX switch	--	None
IPC-615BP-30PB	PS-300	--	UL, CE
IPC-615BP-30XB	PS-300ATX	--	UL, CE
IPC-615BP-31DB	PS-310-DC48	--	UL
IPC-615BP-25RB	RPS-250-SADT	--	UL, CE
IPC-615BP-30ZB	PS-300ATX-Z	--	UL, cUL, CE
IPC-615BP-40ZB	PS-400ATX-Z	--	UL, cUL, CE
IPC-615-30XB	PS-300ATX	PCA-6115	UL, CE
IPC-615B-300	PS-300	PCA-6115	UL, CE
IPC-615B-25R	RPS-250-SADT	PCA-6115	UL, CE

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
PS-300ATX (ATX)	300 W	AC 110/220 V	+5 V @ 30 A +3.3 V @ 26 A +12 V @ 13 A -12 V @ 0.8 A -5 V @ 0.5 A +5 Vsb @ 2 A	+5 V @ 1 A +12 V @ 0.2 A	UL/CSA/TUV/CE/Nordic/CB	100,000 hours @ 25 °C full load
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
RPS-250-SADT (AT)	230 W / 200 W @ 40 °C	AC 110/220 V	+5 V @ 25 A +12 V @ 12 A -5 V @ 1 A -12 V @ 1 A	+5 V @ 4 A +12 V @ 1 A	UL/CSA/TUV	250,000 hours @ 35 °C
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/TUV/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 A +12 V @ 0.5 A +3.3 V @ 0.2 A	UL/cUL/TUV	100,000 hours @ 25 °C 75 % load

IPC-611

4U 14-Slot Rackmount Chassis with Front-accessible Fan



NEW

Features

- User-friendly and front-accessible filter for system maintenance
- Visible power and HDD activity notification improves system availability
- Compatible with Dialogic computer telephony (CT) boards, and provides access to the widest range of call processing application
- Advanced cooling system with one system fan optimally placed to cool system key components
- Shock-resistant disk drive bay holds three 5.25" and one 3.5" front-accessible disk drives
- Flexible mechanical design supports both 300 W ATX PFC PS/2 power supply and 300 W ATX PFC redundant power supply

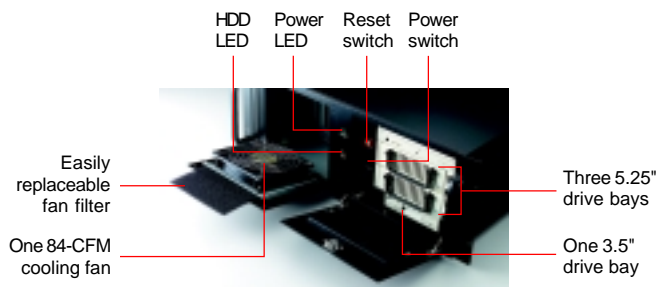
Introduction

The IPC-611 is a 4U height 14-slot rackmount IPC chassis designed for building blocks and mission-critical applications. This rugged, all-steel chassis meets EIA RS-310C 19" rackmount standard. IPC-611 comes with four shockproof and front accessed drive bays, three 5.25" & one 3.5". The unit includes a versatile 14-slot passive-backplane and ATX M/B form factor, a high-efficiency 250 W ATX with PFC (power factor correction) power supply and one easy maintenance cooling fan which

provides abundant cooling. For high-density request, the IPC-611 supports full length 12-slot for high-density applications; or supports up to 12" x 9.6" M/B form factor. The flexible mechanical design provides single PS/2 or redundant power supply through replacement of a power supply bracket. A wide range of standard computing peripherals can be integrated with the chassis to meet different application development under mission-critical environments 24 hours a day, 7 days a week.

Specifications

Drive Bay	3.5"	Front-accessible	
	5.25"	1	3
Cooling	Fan	1 (84 CFM/each)	
	Air Filter	Yes	
Miscellaneous	Slide Rail	General Device C-300 series supported (not included)	
	Indicator	LED displays for power on and HDD activity	
	Keyboard Connector	9-pin and 25-pin bracket at rear panel	
Environment	Temperature	Operating 0 ~ 40 °C (32 ~ 104 °F)	Non-Operating -40 ~ 60 °C (-40 ~ 140 °F)
	Humidity	--	10 ~ 95 % @ 40 °C, non-condensing
	Vibration (5-500 Hz)	1 Grms	2 G
	Shock	10 G (With 11 msec duration, 1/2 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 177 x 480 mm (19" x 7" x 18.9")	
	Weight	10.2 Kg (22.5 lb)	



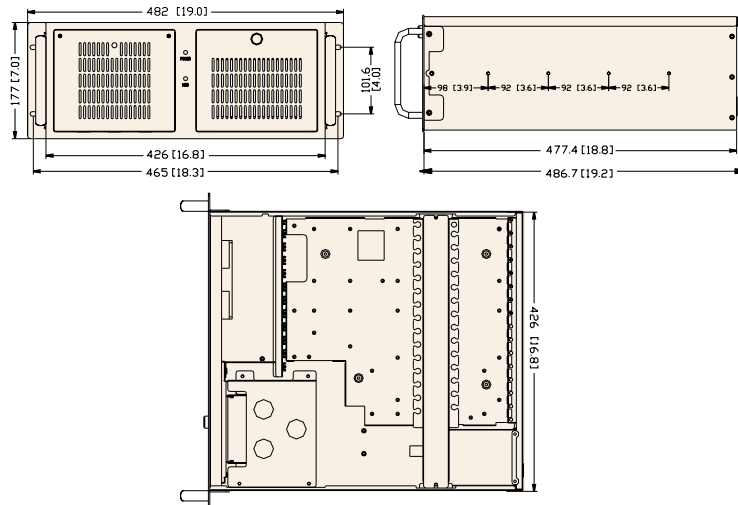
Hold-down clamp
Max. 14-slot backplane



Motherboard allocation



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
- Industrial Computer Peripherals 10

Passive Backplane Options

B/P Model Name	Slot per Segment (ISA/PCI/CPU)	Segment
PCA-6113P4R	8/4/1	Single
PCA-6113P7X	5/7(64-bit)/1	Single
PCA-6114P4-C	9/4/1	Single
PCA-6114P7-0D1	6/7/1	Single
PCA-6114P10-B	3/10/1	Single
PCA-6114P12	1/12/1	Single

Ordering Information

Part Number	With Power Supply	With Backplane or Motherboard	Regulation
IPC-611BP-00P	Without power supply, with AT switch	--	None
IPC-611BP-00X	Without power supply, with ATX switch	--	None
IPC-611MB-00X	Without power supply, with ATX switch	(motherboard version)	None
IPC-611BP-25Z	PS-250ATX-Z	--	UL, cUL, CE
IPC-611MB-25Z	PS-250ATX-Z	(motherboard version)	None
IPC-611BP-30Z	PS-300ATX-Z	--	UL, cUL, CE
IPC-611MB-30Z	PS-300ATX-Z	(motherboard version)	None

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
PS-250ATX-Z (ATX, PFC)	250 W	AC 95 ~ 132 V AC 190 ~ 264 V (Selectable)	+5 V @ 27 A +3.3 V @ 20 A +12 V @ 13 A -12 V @ 0.8 A -5 V @ 0.3 A +5 Vsb @ 2 A	+5 V @ 0.5 A +12 V @ 0.3 A	UL/cUL/CSA, (UL60950 3rd)/CE EN61000-3-2Class D /TÜV/CB	100,000 hours @ 25 °C full load
PS-300ATX-Z (ATX, PFC)	300 W	AC 90 ~ 135 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 +5Vsb @ 2 A	+5 V @ 1 A +12 V @ 0.5 A +3.3V @ 0.3 A	UL/cUL/CSA/CE EN61000-3-2Class D /TÜV/Nordic/CB	100,000 hours @ 25 °C 275 W 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 @ 25 °C full load
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 @ 25 °C



Rear panel of backplane version



Rear panel of motherboard version

IPC-610

4U 14-slot Rackmount Chassis with ATX Motherboard Option



Features

- 4U-high 14-slot rackmount chassis
- Versatile power supply options
- Hot-swap 86-CFM cooling fan with filter
- Optional ATX motherboard version

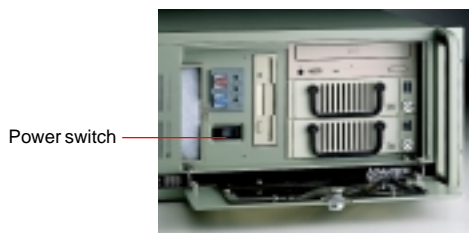
Introduction

The IPC-610 is a 19" rackmount industrial computer chassis for mission-critical applications. This unit can accommodate a 14-slot PCI/ISA bus passive backplane or a standard ATX motherboard and supports versatile power supplies. A lockable door in the front secures the unit from any

unauthorized access. One hot-swap filtered cooling fan maintains positive air circulation through the whole chassis. With its hold-down clamp and shock mounted drive brackets, the IPC-610 can withstand shock, vibration and dust found in harsh environments.

Specifications

Drive Bay	3.5"	Front-accessible	1	Internal	1
	5.25"		3		
Cooling	Fan		1 (86 CFM)		
	Air Filter		Yes		
Miscellaneous	Hold-down Clamp		Rubber-buffered hold-down clamp		
Environment	Temperature		0 - 50 °C (32 - 122 °F), operating		
Physical	Dimensions (W x H x D)		IPC-610BP: 482 x 177 x 452 mm (19" x 7" x 17.8") IPC-610MB: 482 x 177 x 502 mm (19" x 7" x 19.76")		
	Weight		17.5 Kg (38.5 lb)		



Power switch



Hold-down clamp



One 3.5" drive bay

Three 5.25" drive bays

One internal 3.5" drive bay

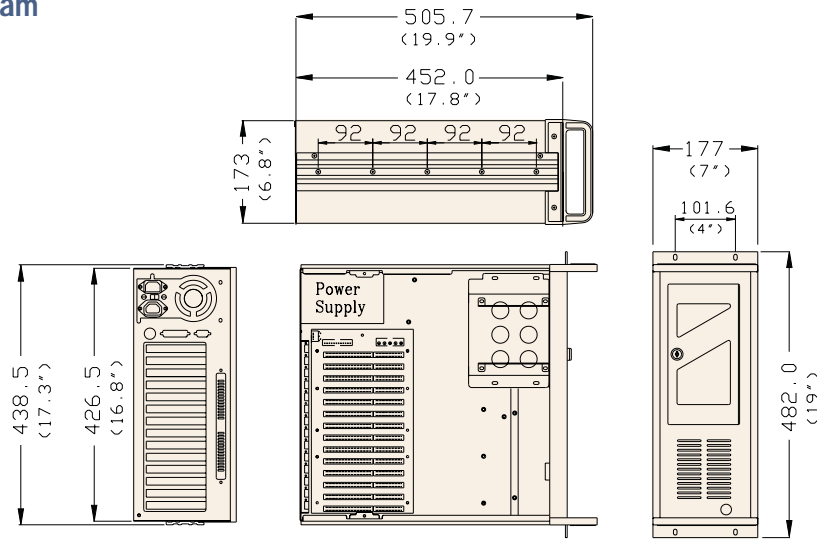


One 86-CFM hot-swap cooling fan

Easily replaceable fan filter



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
- Industrial Computer Peripherals 10

Passive Backplane Options

B/P Model Name	Slot per Segment (ISA/PCI/CPU)	Segment
PCA-6114-0B1	14 ISA	Single
PCA-6114P4-C	9/4/1	Single
PCA-6114P7-0D1	6/7/1	Single
PCA-6114P10-B	3/10/1	Single
PCA-6113P4R	8/4/1	Single
PCA-6114P12	1/12/1	Single
PCA-6113P7X	5/7(64-bit)/1	Single

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-610BP-00PF	Without power supply, with AT switch	--	None
IPC-610BP-00XF	Without power supply, with ATX switch	--	None
IPC-610MB-00XF	Without power supply, with ATX switch	For ATX motherboard	None
IPC-610MB-30ZF	PS-300ATX-Z	For ATX motherboard	None
IPC-610BP-30XF	PS-300ATX	--	UL, cUL, CE
IPC-610BP-30ZF	PS-300ATX-Z	--	UL, cUL, CE
IPC-610BP-40ZF	PS-400ATX-Z	--	UL, cUL, CE
IPC-610BP-31DF	PS-310-DC48	--	CE
IPC-610BP-25RF	RPS-250-SDTB	--	UL, cUL, CE
IPC-610P4-260F	PS-260-610E	PCA-6114P4-C	UL, cUL, CE
IPC-610P4-30XF	PS-300ATX	PCA-6114P4-C	UL, cUL, CE
Black Color Chassis Options			
IPC-610BP-00XFB	Without power supply	--	None
IPC-610BP-30XFB	PS-300ATX	--	UL, cUL, CE
IPC-610MB-00XFB	Without power supply	(motherboard version)	None
IPC-610MB-30ZFB	PS-300ATX-Z	(motherboard version)	None

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
PS-300ATX (ATX)	300 W	AC 110/220 V	+5 V @ 30 A +3.3 V @ 26 A +12 V @ 13 A -12 V @ 0.8 A -5 V @ 0.5 A +5 Vsb @ 2 A	+5 V @ 1 A +12 V @ 0.2 A	UL/CSA/TUV/CE/Nordic/CB	100,000 hours @ 25 °C full load
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
RPS-250-SDTB (AT)	230 W / 200 W @ 40 °C	AC 110/220 V	+5 V @ 25 A +12 V @ 12 A -5 V @ 1 A -12 V @ 1 A	+5 V @ 4 A +12 V @ 1 A	UL/CSA/TUV	250,000 hours @ 30 °C
PS-260-610E (AT)	260 W	AC 110/220 V	+5 V @ 25 A +12 V @ 9 A -5 V @ 0.5 A -12 V @ 2 A	+5 V @ 1 A +12 V @ 0.1 A	UL/CSA/CE/TUV	140,000 hours @ 50 °C full load
PS-250X-DPS (ATX)	250 W @ 25 °C 200 W @ 50 °C	AC 110/220 V	+5 V @ 25 A +12 V @ 8 A -5 V @ 0.5 A -12 V @ 0.8 A +3.3 V @ 14 A +5 Vsb @ 1 A	+5 V @ 1.5 A +12 V @ 0.2 A	UL/CSA/TUV/CE/Nordic/CB	100,000 hours @ 25 °C full load
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/TUV/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 A +12 V @ 0.5 A +3.3 V @ 0.2 A	UL/cUL/TUV	100,000 hours @ 25 °C 75 %load

Rear I/O window is separately installed to support the ATX motherboard



Motherboard version



Backplane version (black color chassis)

CT-500

5U 20-slot Rackmount Chassis with 5 Hot-swap Drive Bays and Redundant Power Supply



Features

- 5U-high 20-slot rackmount chassis
- Five half-height disk cartridges with optional RAID solutions
- Hot-swap (3+1) redundant 840 W ATX power supply
- Three internal hot-swappable cooling fans and three enhanced blowers
- Fault detection/alarm notification
- Optional backplane combination

Introduction

The CT-500 is a 5U-high 19" rackmount industrial computer chassis. This chassis can accommodate a 20-slot PCI/ISA bus passive backplane or a standard ATX motherboard. With proven technologies and industrial

computers features, the CT-500 enables users to implement a server and RAID subsystem all-in-one solution for industrial-grade server applications.

Specifications

Drive Bay		Front-accessible	
	5.25"	6	
Cooling	Fan	3 (hot-swap, 115 CFM/each, 12 cm) in middle of chassis	
	Blower	3 (25 CFM/each, 9 cm) on hold-down clamp	
Miscellaneous	Hold-down Clamp	Rubber-buffered hold down clamp	
Environment	Temperature	Operating 0 ~ 50 °C (32 ~ 122 °F)	Non-Operating -20 ~ 80 °C (-4 ~ 176 °F)
	Humidity	5 ~ 95 % @ 60 °C, non-condensing	
	Vibration (5-500 Hz)	1.0 Grms	2.0 G
Physical	Dimensions (W x H x D)	482 x 222 x 660 mm (19" x 8.75" x 26")	
	Weight	23 Kg (50.6 lb)	

Optional slim-size CD-ROM and floppy disk drive

Front-accessible hot-swap 3+1 redundant power supply



Five 5.25" HDDs

Alarm reset

Soft switch

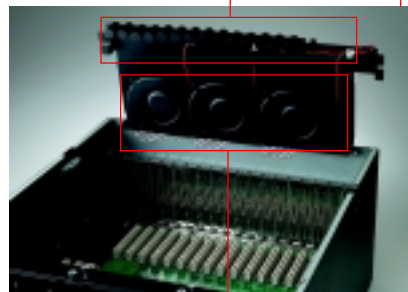
TEMP LED

Fan LED

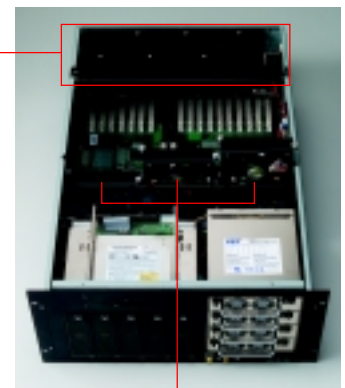
Power LED

System reset

Rubber-buffered hold-down clamp

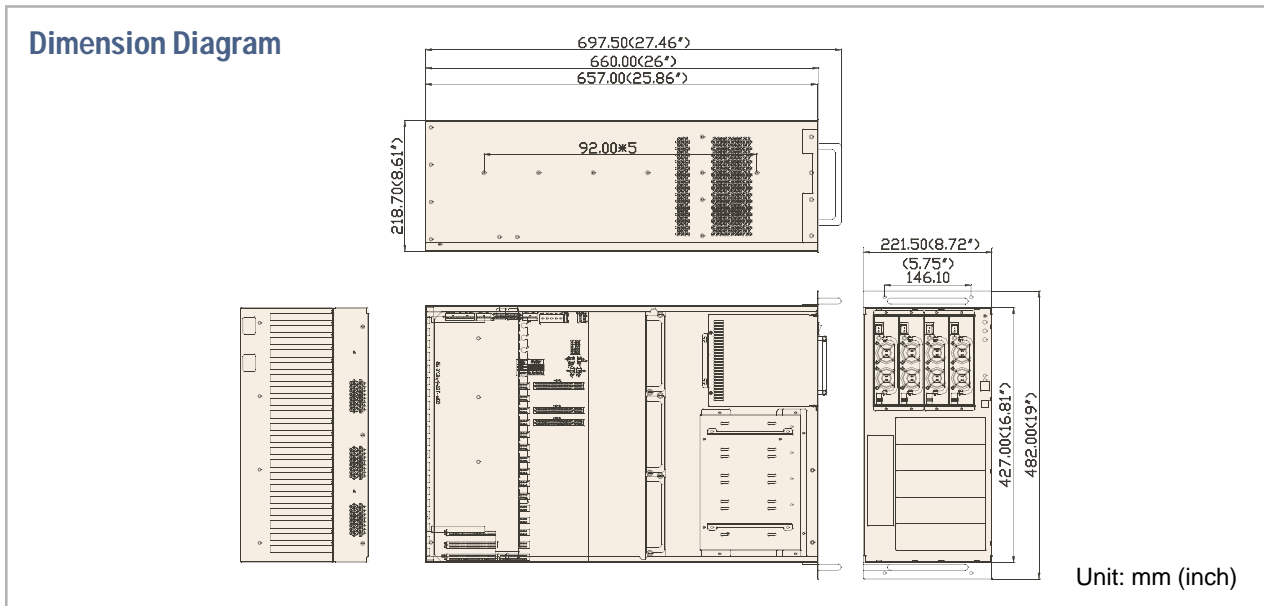


Three 25-CFM enhanced blowers



Three 115-CFM hot-swap cooling fans





- 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
- Industrial Computer Peripherals 10

Power Supply Options

Part Number	Watt	Input	Specifications				Safety	MTBF
			Output	Mini-load				
1757930036	840 W (3 + 1 redundant)	AC 100 - 240 V (full-range)	+3.3 V @ 22 A +5 V @ 30 A -5 V @ 1 A +12 V @ 11 A -12 V @ 1 A +5 Vsb @ 1.5 A	+3.3 V @ 0.3 A +5 V @ 2 A -5 V @ 0.0 A +12 V @ 0.5 A -12 V @ 0.0 A +5 Vsb @ 0.1 A		CL/cUL/CE/TUV	100,000 hours @ 70% load	

Storage Device Options

Part Number	Descriptions
CD-FDD COMBO	Slim type CD-ROM/FDD (fit into 1x full height 5.25" drive bay)
RHC-160-BLK	SCSI Ultra 160 removable HDD cartridge for 80 pin SCA interface

Ordering Information

Part Number	With Backplane	Regulation
CT-500I	PCA-6120P4-0B1	UL, cUL, CE
CT-500P	PCA-6119P17-0B1	UL, cUL, CE

Parts Information

Part Number	Descriptions
1759200770	Blower (97 x 94 x 33 mm)
1759208800	Fan (120 x 120 x 25.4 mm)
1757930036	Single redundant power supply module (300 W)



SPC-530

5U 20-slot Rackmount Chassis with 5 Hot-swap Drive Bays



Features

- 5U-high 20-slot rackmount chassis
- Five half-height disk cartridges with optional RAID solutions
- Hot-swap redundant 400 W ATX power supply
- Fault detection/alarm notification

Introduction

The SPC-530 is a 5U-high 19" rackmount industrial computer chassis. This chassis can accommodate a 20-slot PCI/ISA bus passive backplane or a standard ATX motherboard. With proven technologies and industrial

computers features, the SPC-530 enables users to implement a server and RAID subsystem all-in-one solution for industrial-grade server applications.

Specifications

Drive Bay	5.25"	Front-accessible 6 (vertical x1, horizontal x5)
Cooling	Fan	3 (hot-swap, 114 CFM/each)
Miscellaneous	Hold-down clamp	Rubber-buffered hold-down clamp
Physical	Dimensions (W x H x D)	482 x 222 x 660 mm (19" x 8.75" x 26")
	Weight	21 Kg (46.2 lb)

Optional slim-size CD-ROM and floppy disk drive



Five 5.25" drive bays



Three 114-CFM hot-swap cooling fans

Front-accessible hot-swap redundant power supplies



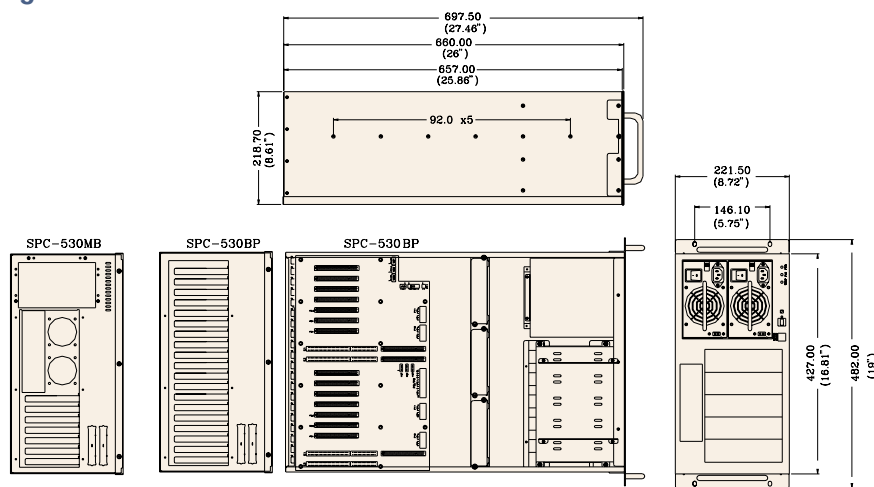
Alarm reset Soft switch TEMP LED Fan LED Power LED System reset



20-slot backplane



Dimension Diagram



Unit: mm (inch)

Passive Backplane Options

B/P Model Name	Slot per Segment (ISA/PCI/CPU)	Segment
PCA-6120P4-0B1	15/4/1	Single
PCA-6119P7-0B1	11/7/1	Single
PCA-6119P17-0B1	1/17/1	Single

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
RPS-400ATX (ATX Redundant)	400 W ATX	AC 115/230 V (selectable)	+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/TUV/CE	100,000 hours @ 25 °C (75% load)

Storage Device Options

Part Number	Descriptions
SCD-FDD-COMBO	Storage kit with slim 24X CD-ROM and standard 3.5" black FDD
SCD COMBO	Compact storage kit with slim 24X CD-ROM without FDD
968400014	3.5" FDD with black bezel
RHC-U160-BLK	SCSI Ultra-160 removable HDD cartridge, for 80-pin SCA HDD, black

Special Cable Options

Part Number	Descriptions
1701681300	SCSI cable U-160 M-5M-T 130 cm

Ordering Information

Part Number	With Backplane	With Disk Cartridges	With U-160 SCSI Cable	Regulation
SPC-530BP	--	--	--	CE
SPC-530MB (motherboard version)	--	--	--	None
SPC-530BP-M	--	RHC-U160-BLK x5	1701681300	CE
SPC-530MB-M (motherboard version)	--	RHC-U160-BLK x5	1701681300	None

- 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
- Industrial Computer Peripherals 10

SPC-520

5U 9-slot Rackmount Chassis with 8 Hot-swap Drive Bays



Features

- 5U-high 9-slot rackmount chassis
- Ten half-height disk space
- Hot-swap redundant 400 W ATX power supply
- Fault detection/alarm notification

Introduction

The SPC-520 is 5U-high 19" rackmount industrial computer chassis. This chassis can accommodate a 9-slot PCI/ISA bus passive backplane or a standard ATX motherboard and comes with a 400-watt power supply.

The SPC-520 enables users to implement a server and RAID subsystem all-in-one solution for industrial-grade server market.

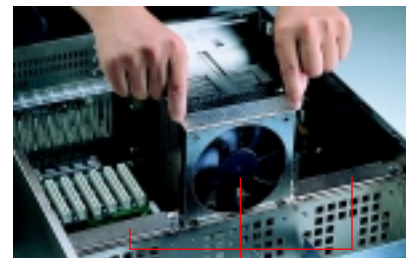
Specifications

Drive Bay	5.25"	Front-accessible 10 (vertical x8, horizontal x2)
Cooling	Fan	3 (hot-swap, 114 CFM/each)
Miscellaneous	Hold-down clamp	Rubber-buffered hold-down clamp
Physical	Dimensions (W x H x D)	482 x 222 x 660 mm (19" x 8.75" x 26")
	Weight	20 Kg (44 lb)

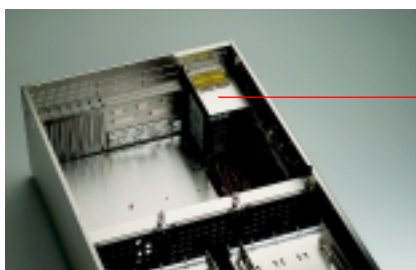


Fan LED TEMP LED Alarm reset switch Power LED

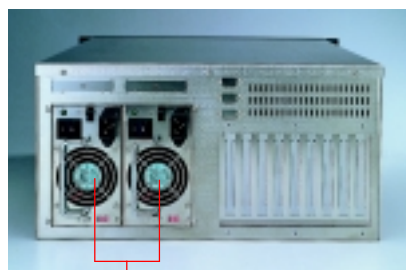
Soft switch
System reset button



Three 114-CFM hot-swap cooling fans



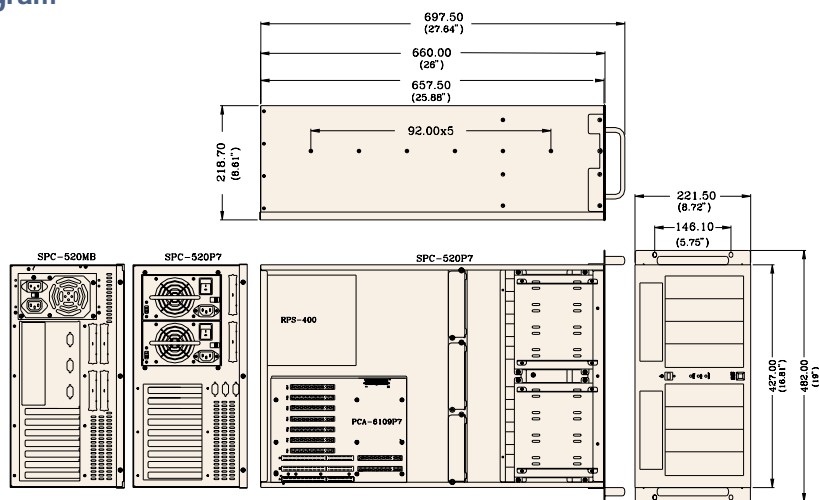
400 W ATX power supply



Hot-swap redundant power supply



Dimension Diagram



Unit: mm (inch)

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
RPS-400ATX-AC	400 W ATX	AC 115/230 V (selection)	+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	100,000 hours @ 25°C (75 % load)
PS-400ATX (ATX)	400 W ATX	AC110/220 V	+5 V @ 42 A +3.3 V @ 20 A +12V @ 14 A -12V @ 1 A -5V @ 1 A +5 Vsb @ 0.75 A	+5 V @ 2 A +12 V @ 0.5 A +3.3 V @ 0.2 A	UL/cUL/TÜV	100,000 hours @ 25°C (75 % load)

Special Cable Options

Part Number	Descriptions
1701681300	SCSI cable U-160 M-5M-T 130 cm

Ordering Information

Part Number	With Power Supply	With Backplane	With Disk Cartridges	With U-160 SCSI Cable	Regulation
SPC-520P7	RPS-400ATX-AC	PCA-6109P7	--	--	CE
SPC-520MB	PS-400ATX	(motherboard version)	--	--	None
SPC-520MB-M	PS-400ATX	(motherboard version)	RHC-U160-BLK x8	1701681300 x2	None

Storage Device Options

Part Number	Descriptions
SCD-FDD-COMBO	Storage kit with slim 24X CD-ROM and standard 3.5" black FDD
SCD COMBO	Compact storage kit with slim 24X CD-ROM without FDD
9684000014	3.5" FDD with black bezel
RHC-U160-BLK	SCSI Ultra-160 removable HDD cartridge, for 80-pin SCA HDD, black

- 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
- Industrial Computer Peripherals 10

IPC-622

6U 20-slot Rackmount Chassis with Hot-swap Redundant Power Supply



Features

- 6U-high 20-slot rackmount chassis
- Hot-swap redundant power supply
- Fault detection/alarm notification
- Four filter 49-CFM cooling fans
- Up to four systems in a chassis

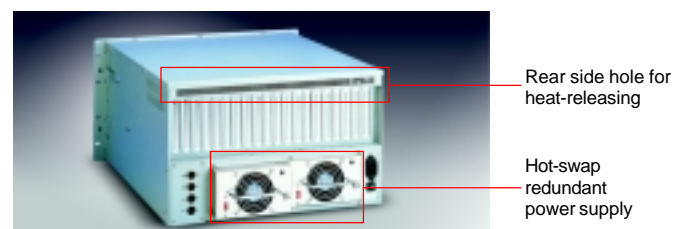
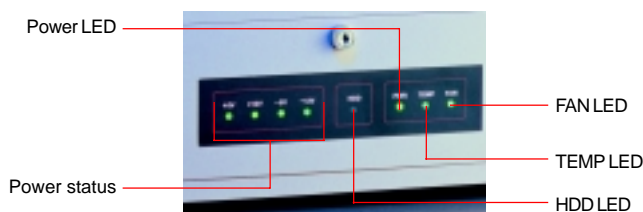
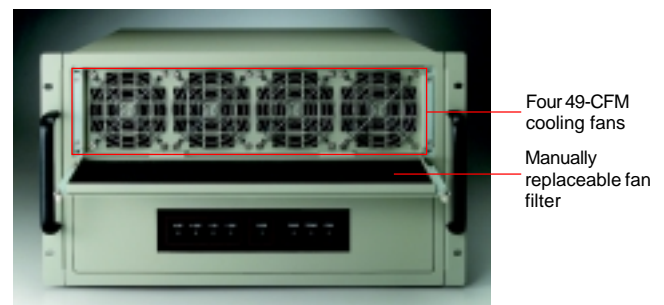
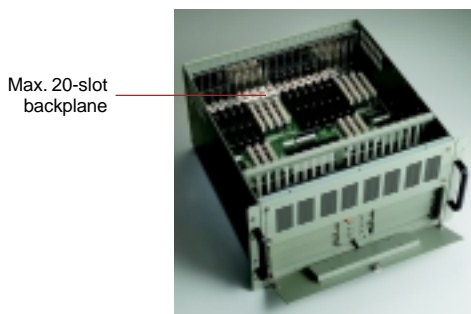
Introduction

The IPC-622 is a high-end 20-slot, 19" rackmount industrial computer chassis with a 300-watt hot-swappable redundant power supply. Up to six disk drives can be installed into the IPC-622. This unit supports up to four front accessible, half-height storage devices. The IPC-622 can support up to four PC systems in a single chassis suitable for space-critical applications. Moreover, the IPC-622 features an advanced fault detection

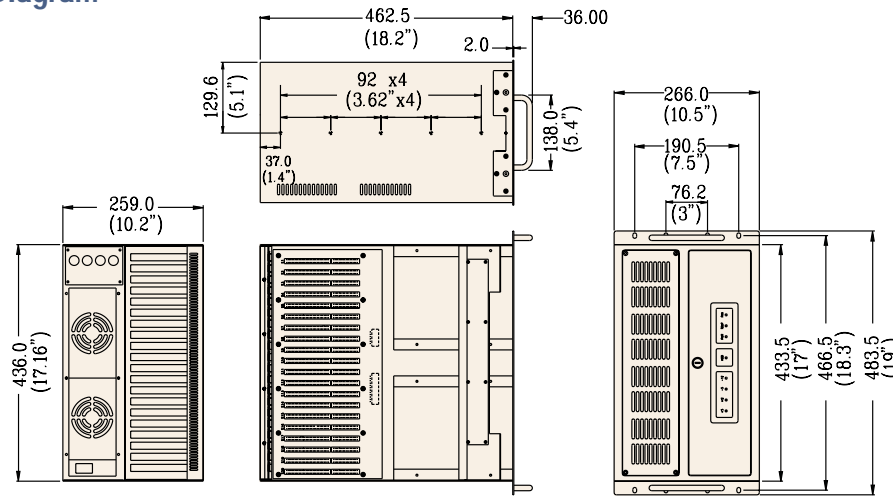
and alarm notification feature. The IPC-622 monitors its own hardware status including power failure, fan failure and temperature. When malfunctions occur, an audible alarm will be activated to alert users of maintenance needs. Problems can be clearly identified through the IPC-622's front panel LED.

Specifications

Drive Bay	3.5"	Front-accessible	Internal
	5.25"	4	2
Cooling	Fan	4 (49 CFM/each)	
	Air Filter	Yes	
Miscellaneous	Hold-down Clamp	Rubber-buffered hold-down clamp	
Physical	Dimensions (W x H x D)	483 x 266 x 462 mm (19" x 10.5" x 18")	
	Weight	30 Kg (66 lb)	



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
- Industrial Computer Peripherals 10

Passive Backplane Options

B/P Model Name	Slot per Segment (ISA/PCI/CPU)	Segment
PCA-6120-0B1	20 ISA	Single
PCA-6120P4-0B1	15/4/1	Single
PCA-6119P7-0B1	11/7/1	Single
PCA-6120P12-0A1	8/12/1	Single
PCA-6119P17-0B1	1/17/1	Single
PCA-6120D-0B1	10 ISA	Dual
PCA-6120DP4-0B1	5/4/1	Dual
PCA-6118DP7-0B1	1/7/1	Dual
PCA-6120Q-0B1	5 ISA	Quad
PCA-6116QP2-0B1	1/2/1	Quad

Storage Device Options

Part Number	Descriptions
SCD-COM	Slim-type CD-ROM kit with 40-pin IDE connector
SCD-FDD-COMBO	Storage kit with slim 24X CD-ROM and standard 3.5" black FDD
9684000014	3.5" FDD with black bezel

Special Cable Options

Part Number	Descriptions
1701400971	HDD cable, ATA 33, 62 cm + 35 cm
1701400973	HDD cable, ATA 66/100, 62 cm + 35 cm

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
RPS-300	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	UL/CE/TUV/CSA	100,000 hours @ 25 °C
RPS-300DC48	300 W AT	DC -38 ~ -58 V	+5 V @ 25 A +12 V @ 10 A -5 V @ 1 A -12 V @ 4 A	+5 V @ 2 A	--	100,000 hours @ 25 °C
RPS-400H-Z	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/TUV/CE	100,000 hours @ 25 °C (75% load)
1757240013	400 W ATX. PFC	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 A +12 V @ 0.5 A +3.3 V @ 0.2 A	UL/cUL/TUV	100,000 hours @ 25 °C (75% load)

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-622BP-40Z	1757240013 (single P/S)	--	UL, cUL, CE
IPC-622-300R-01	RPS-300	--	CE
IPC-622-30RD-01	RPS-300DC48	--	CE
IPC-622BP-400R	RPS-400H	--	UL, cUL, CE
IPC-622BP-40RZ	RPS-400H-Z	--	UL, cUL, CE
IPC-622-300R	RPS-300	PCA-6120	CE
IPC-622P4-300R	RPS-300	PCA-6120P4	CE
Black Color Chassis Options			
IPC-622BP-00RB	Without power supply	--	None
IPC-622BP-300RB	RPS-300	--	CE
IPC-622BP-400RZB	RPS-400H-Z	--	UL, cUL, CE

ACP-7000

7U 20-slot Rackmount Chassis with 6 Hot-swap SCSI SCA Drive Bays



Features

- RAID storage supports SAF-TE features
- Supports both 20/14-slot BP and MB versions. The MB version supports high-performance up to 2-way or 4-way Server board (such as Intel STL2, SBT2) by OEM/ODM request
- Highly reliable and dependable with fully hot-swappable components, including disk drives, power supply and fans
- Ultra 160 SCSI storage supports SAF-TE (SCSI Accessed Fault-tolerant Enclosures)
- Large-scale data storage and computer performance makes this the best choice for corporate and factory management server
- Server platform for web-enabled call center or contact center, voice portal, unified messaging and voice messaging

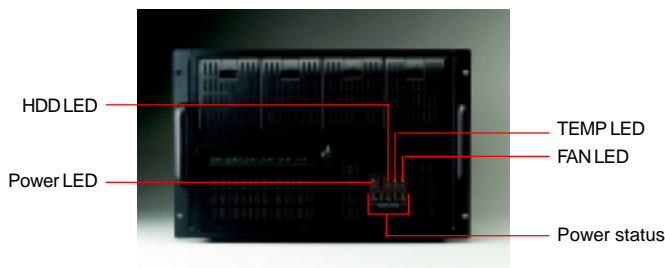
Introduction

ACP-7000 is a high performance, high-capacity computing platform which meets a variety of needs including filing, printing, applications, emails and Web server. This powerful departmental server includes a full Disk Array of high availability features for minimizing system downtime, especially in mission-critical CT application and factory management. A

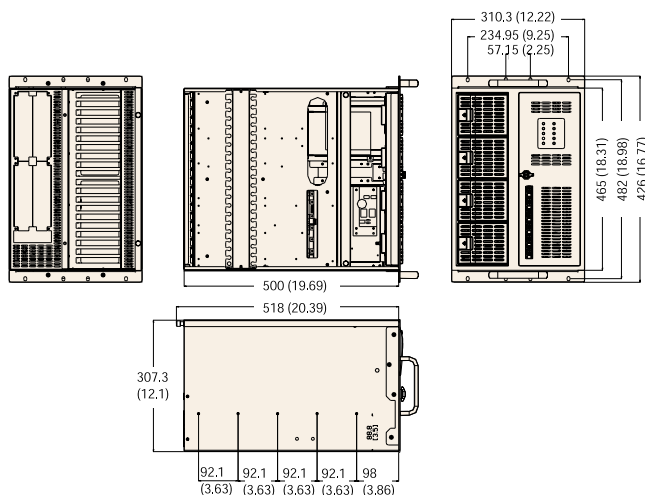
wide range of standard computing peripherals can be integrated with the chassis to meet different application development under mission-critical environments 24 hours a day, 7 days a week. The product delivers rack space optimization, features flexibility, expandability and extraordinary performance which you can rely on today and grow with tomorrow.

Specifications

Drive Bay	Slim CD-ROM	Front-accessible	
	3.5"	1	
	5.25"	6 (hot-swap), 1	
Cooling	Fan	4 (hot-swap, 57 CFM/each)	
	Air Filter	Yes	
I/O Interface	USB	1 (front-accessible)	
	PS/2	1 (keyboard x1, front-accessible)	
Miscellaneous	Slide Rail	General Device C-300 series supported (not included)	
Environment	Temperature	Operating 0 ~ 40 °C (32 ~ 104 °F)	Non-Operating -40 ~ 60 °C (-40 ~ 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 307 x 500 mm (19" x 12.1" x 19.7")	
	Weight	35 Kg (77 lb)	



Dimension Diagram



Unit: mm (inch)

Passive Backplane Options

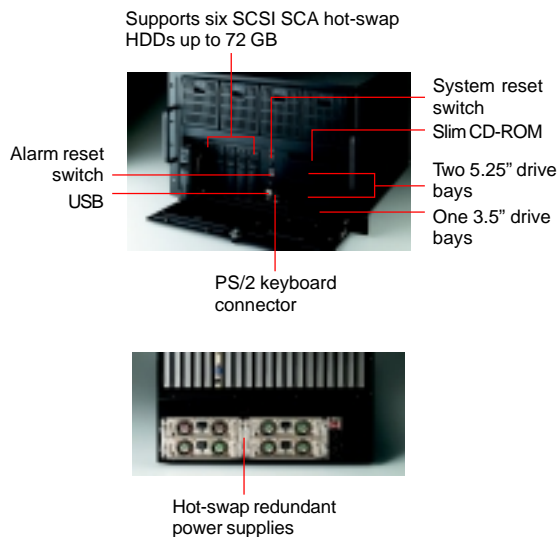
B/P Model Name	Slot per Segment (ISA/PCI/CPU)	Segment
PCA-6120-0B1	20 ISA	Single
PCA-6120P4-0B1	15/4/1	Single
PCA-6119P7-0B1	11/7/1	Single
PCA-6120P12-0A1	8/12/1	Single
PCA-6119P17-0B1	1/17/1	Single
PCA-6120D-0B1	10 ISA	Dual
PCA-6120DP4-0B1	5/4/1	Dual
PCA-6118DP7-0B1	1/7/1	Dual
PCA-6120Q-0B1	5 ISA	Quad
PCA-6116QP2-0B1	1/2/1	Quad

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
ACP-7000BP-46R	RPS-460H-Z (1+1 redundant)	--	UL,cUL,CE
ACP-7000BP-57N	RPS-570H (2+1 redundant)	--	UL,cUL,CE
ACP-7000BP-81N	RPS-810H (3+1 redundant)	--	UL,cUL,CE
ACP-7000MB-46R	RPS-460H-Z (1+1 redundant)	(motherboard version)	None

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
RPS-460H-Z	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/TUV/CE	148,000 hours @ 25 °C
RPS-570H	570 W ATX PFC	AC 90 - 264 V (Full-range)	+5 V @ 50 A +3.3 V @ 40 A +12 V @ 34 A -12 V @ 1 A -5 V @ 1 A +5 Vsb @ 1.2 A	+5 V @ 6 A +3.3 V @ 2 A +12 V @ 3 A -12 V @ 0.1 A -5 V @ 0.1 A +5 Vsb @ 0.1 A	UL/cUL/TUV	180,000 hours @ 25 °C
RPS-810H	810 W ATX PFC	AC 90 - 264 V (Full-range)	+5 V @ 75 A +3.3 V @ 60 A +12 V @ 51 A -12 V @ 1.5 A -5 V @ 1.5 A +5 Vsb @ 1.6 A	+5 V @ 9 A +3.3 V @ 3 A +12 V @ 4.5 A -12 V @ 0.15 A -5 V @ 0.15 A +5 Vsb @ 0.15 A	UL/cUL/TUV	259,000 hours @ 25 °C



- CompactPCI Enclosures 1
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- Full-sized CPU Cards 9
- Industrial Computer Peripherals 10

IPC-6908

8-slot Desktop/Wallmount Chassis with Front Alarm Notification and PS/2 Power Supply



Features

- 8-slot desktop chassis
- Versatile power supply options
- Fault detection/alarm notification
- Hot-swap dual cooling fans

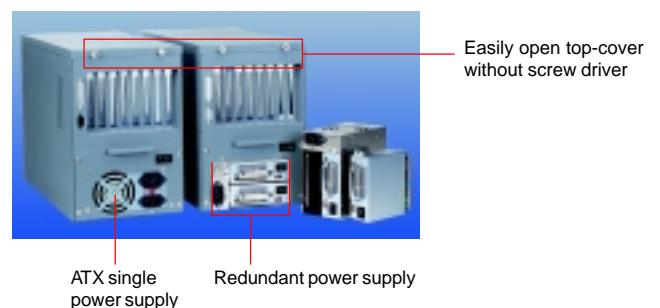
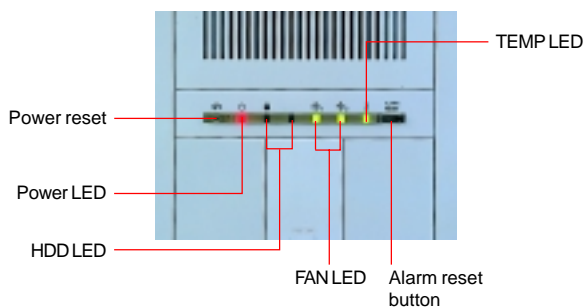
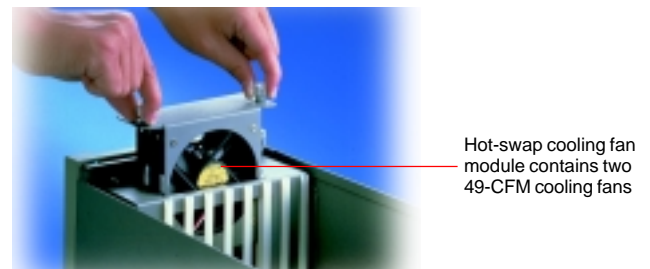
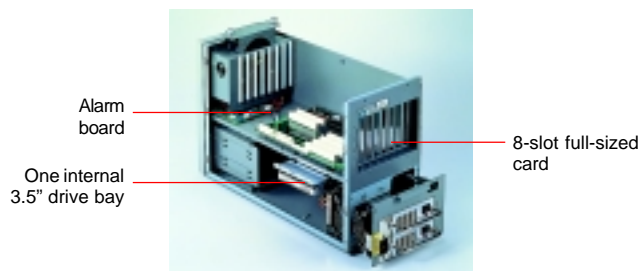
Introduction

The IPC-6908 is a high-end desktop/wallmount fault-resilient industrial computer chassis for mission-critical applications and harsh industrial computing environments. The IPC-6908 accepts up to 8 full-length cards

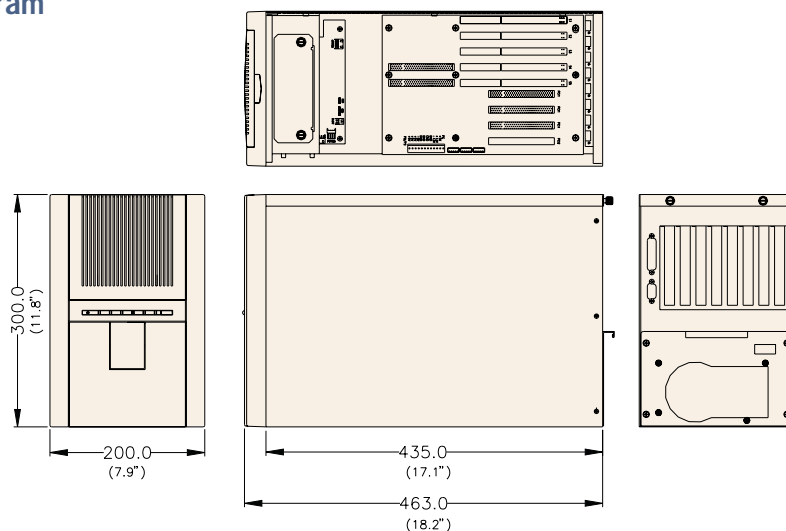
and a 260-watt power supply. The front-accessible disk drive bay can hold two half-height and one 3.5" hard disk drives, and another 3.5" HDD can be mounted inside the case

Specifications

Drive Bay	3.5"	Front-accessible	1	Internal	1
	5.25"		2		
Cooling	Fan		2 (hot-swap, 49 CFM/each)		
	Air Filter		Yes		
Physical	Dimensions (W x H x D)	200 x 300 x 463 mm (7.9" x 11.8" x 18.2")			
	Weight	12 Kg (26.4 lb)			



Dimension Diagram



Unit: mm (inch)

Passive Backplane Options

B/P Model Name	Slot per Segment (ISA/PCI/CPU)	Segment
PCA-6108E-B	8 ISA	Single
PCA-6108P4-C	3/4/1	Single
PCA-6108P6-B	1/6/1	Single

Special Cable Options

Part Number	Descriptions
1701400971	HDD cable, ATA 33, 62 cm + 35 cm
1701400973	HDD cable, ATA 66/100, 62 cm + 35 cm

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
PS-260-610E (AT)	260 W	AC 110/220 V	+5 V @ 25 A +12 V @ 9 A -5 V @ 0.5 A -12 V @ 2 A	+5 V @ 1 A +12 V @ 0.1 A	UL/CSA/CE/TUV	140,000 hours @ 50 °C full load
PS-300ATX (ATX)	300 W	AC 110/220 V	+5 V @ 30 A +3.3 V @ 26 A +12 V @ 13 A -12 V @ 0.8 A -5 V @ 0.5 A +5 Vsb @ 2 A	+5 V @ 1 A +12 V @ 0.2 A	UL/CSA/TUV /CE/Nordic/CB	100,000 hours @ 25 °C full load
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
RPS-250-SADT (AT)	230 W / 200 W @ 40 °C	AC 110/220 V	+5 V @ 25 A +12 V @ 12 A -5 V @ 1 A -12 V @ 1 A	+5 V @ 4 A +12 V @ 1 A	UL/CSA/TUV	250,000 hours @ 30 °C full load
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 /TUV/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 A +12 V @ 0.5 A +3.3 V @ 0.2 A	UL/cUL/TUV	100,000 hours @ 25 °C (75 %load)

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-6908BP-26PB	PS-260-610E	--	UL, cUL, CE
IPC-6908BP-25RB	RPS-250-SADT	--	UL, cUL, CE
IPC-6908BP-31DB	PS-310-DC48	--	UL, cUL, CE
IPC-6908BP-25XB	PS-250X-DPS	--	UL, cUL, CE
IPC-6908BP-30XB	PS-300ATX	--	UL, cUL, CE
IPC-6908BP-30ZB	PS-300ATX-Z	--	UL, cUL, CE
IPC-6908BP-40ZB	PS-400ATX-Z	--	UL, cUL, CE

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

Industrial Computer Peripherals 10

IPC-6608

8-slot Desktop/Wallmount Chassis with PS/2 Power Supply



Features

- Equipped with an 8-slot ISA or ISA/PCI backplane to hold eight full-length cards
- Two front accessed 5.25" half-height disk drive and one 3.5" FDD
- High pressure cooling fan supports abundant cooling and streamlined ventilation
- Vibration protected driver mounting for industrial applications

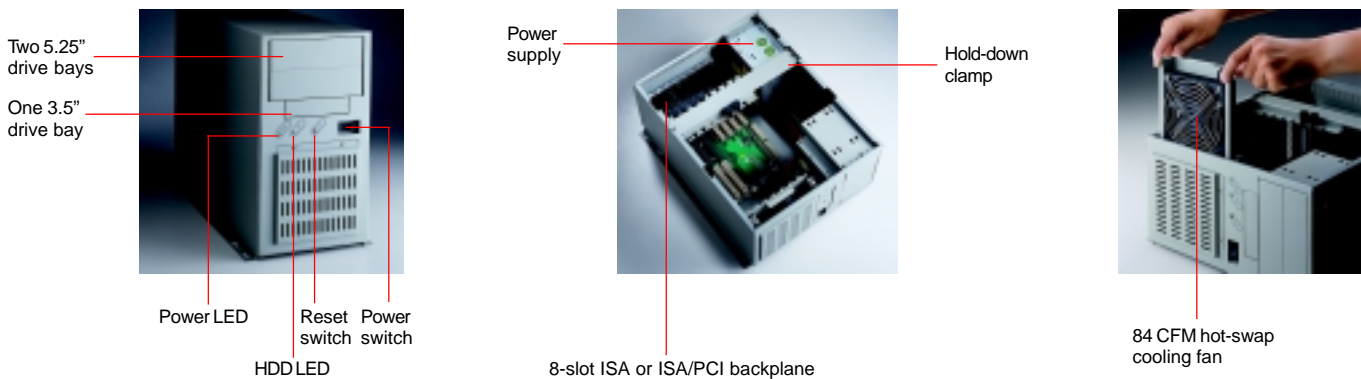
Introduction

Specifically designed for factory floors and other harsh industrial environments, the IPC-6608 Wall-mount industrial computer chassis is ideal for system integrators or users who require a compact, rugged PC/AT compatible system. The IPC-6608 features an 8-slot passive

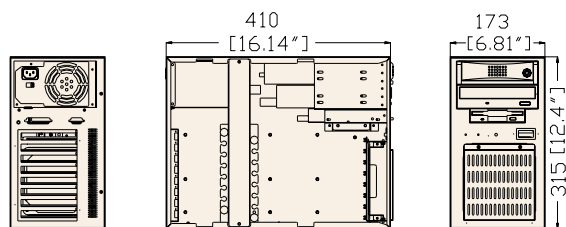
backplane and a wide selection of power supplies to meet different application needs. The chassis is only 6.8" wide and can easily be mounted bi-directionally on panels or walls with the supplied bracket.

Specifications

Drive Bay	3.5"	Front-accessible 1
	5.25"	2
Cooling	Fan	1 (hot-swap, 84 CFM)
	Air Filter	Yes
Miscellaneous	Control Indicator	Front panel power switch and reset switch LEDs for power On/Off and HDD activity
	Environment	Temperature Humidity
Physical	Dimensions (W x H x D)	173 x 315 x 410 mm (6.8" x 12.4" x 16.1")
	Weight	5.6 Kg (12.3 lb)

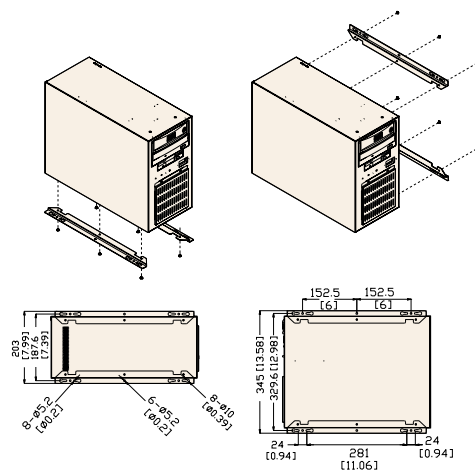


Dimension Diagram



Unit: mm (inch)

Installation



Unit: mm (inch)

Passive Backplane Options

B/P Model Name	Slot per Segment (ISA/PCI/CPU)	Segment
PCA-6108E-B	8 ISA	Single
PCA-6108P4-C	3/4/1	Single
PCA-6108P6-B	1/6/1	Single

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-6608BP-00	--	--	None
IPC-6608BP-25X	PS-250X-DPS	--	UL, cUL
IPC-6608BP-26P	PS-260-610E	--	UL, cUL
IPC-6608BP-30Z	PS-300ATX-Z	--	UL, cUL, CE
IPC-6608BP-25R	RPS-250-SDTP	--	None

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
PS-250X-DPS (ATX)	250 W @ 25 °C 200 W @ 50 °C	AC 110/220 V	+5 V @ 25 A +12 V @ 8 A -5 V @ 0.5 A -12 V @ 0.8 A +3.3 V @ 14 A +5 Vsb @ 1 A	+5 V @ 1.5 A +12 V @ 0.2 A	UL/CSA/TUV/CE/Nordic/CB	100,000 hours @ 25 °C full load
PS-260-610E (AT)	260 W	AC 110/220 V	+5 V @ 25 A +12 V @ 9 A -5 V @ 0.5 A -12 V @ 2 A	+5 V @ 1 A +12 V @ 0.1 A	UL/CSA/CE/TUV	140,000 hours @ 50 °C full load
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/TUV/Nordic/CB	100,000 hours @ 25 °C 275 W load
RPS-250-SDTB (AT)	230 W / 200 W @ 40 °C	AC 110/220 V	+5 V @ 25 A +12 V @ 12 A -5 V @ 1 A -12 V @ 1 A	+5 V @ 4 A +12 V @ 1 A	UL/CSA/TUV	250,000 hours @ 30 °C full load

CompactPCI Enclosures 1

CompactPCI Boards 2

CompactPCI Peripherals 3

Blade Servers 4

Network Appliances 5

e-Server Systems 6

Storage Subsystems 7

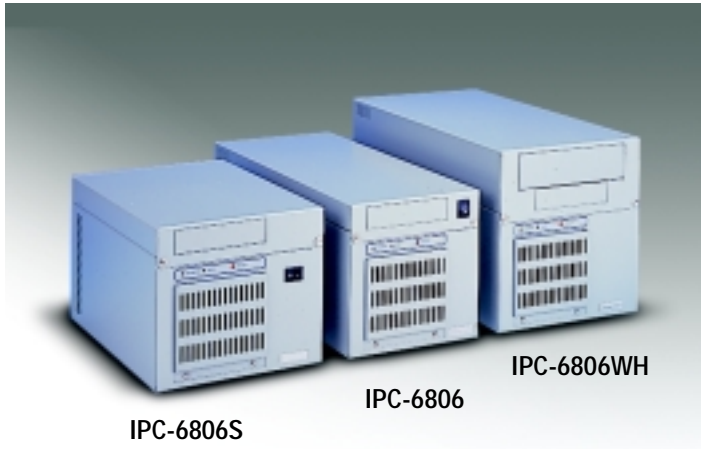
Industrial Computer Chassis 8

Full-sized CPU Cards 9

Industrial Computer Peripherals 10

IPC-6806

6-slot Desktop/Wallmount Chassis with Open Frame PFC Power Supply



Features

- Supports 6-slot ISA or ISA/PCI backplane to hold six cards
- Equipped with one 49-CFM cooling fan with air filter
- IPC-6806WH is especially equipped with a front-mounted 5.25" drive bay reserved for a CD-ROM drive
- Equipped with 200 W PFC/150 W PFC/100 W open frame power supply

Introduction

Specially designed for factory floor and other harsh industrial environments, the IPC-6806 wallmount IPC chassis is ideal for system integrators or users who require a compact, rugged PC/AT-compatible

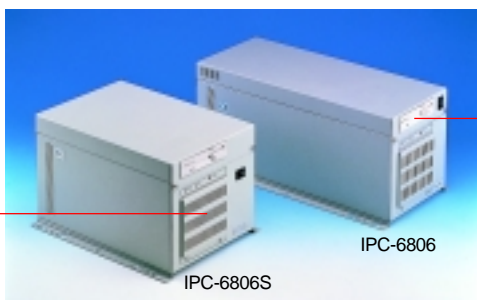
system. The IPC-6806 features a 6-slot passive backplane and a 150-watt power supply. The chassis is less than 8" wide and can be easily mounted on panels or walls with the supplied brackets.

Common Specifications for IPC-6806 Series

Cooling	Fan	1 (49 CFM)
	Air Filter	Yes
Miscellaneous	Control	Power On/Off switch and CPU reset button
	Indicator	LEDs for power On/Off and HDD activity
Environment	Temperature	0 ~ 50 °C (32 ~ 122 °F), operating
	Humidity	10 ~ 95 % @ 40 °C, non-condensing

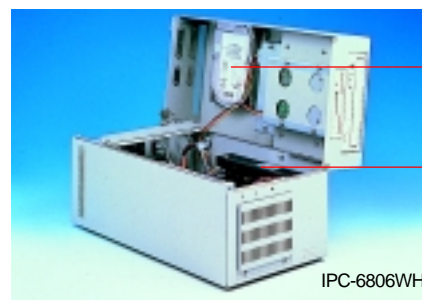
Selection Guide

Model Name	IPC-6806BP-20ZB	IPC-6806WHB-20Z	IPC-6806SBP-15Z
Disk Drive Bay	3.5" FDD x1 3.5" HDD x1	5.25" CD-ROM x1 3.5" FDD x1 3.5" HDD x1	3.5" FDD x1 3.5" HDD x1
Power Supply	200 W PFC	200 W PFC	150 W PFC
Backplane	PCA-6106-B, PCA-6106P3-0C1, PCA-6105P5-0B1	PCA-6106-B, PCA-6106P3-0C1, PCA-6105P5-A2, PCA-6105P5-0B1	PCA-6106-B, PCA-6105P5-0B1 (for half-sized card only)
Dimensions (W x H x D)	166 x 170 x 393 mm (6.5" x 6.7" x 15.4")	198 x 213 x 393 mm (7.8" x 8.4" x 15.4")	196 x 170 x 282 mm (7.7" x 6.7" x 11.1")
Weight	5.6 Kg (12.3 lb)	6 Kg (13.2 lb)	4.5 Kg (9.9 lb)



One 49-CFM cooling fan with air filter

3.5" FDD

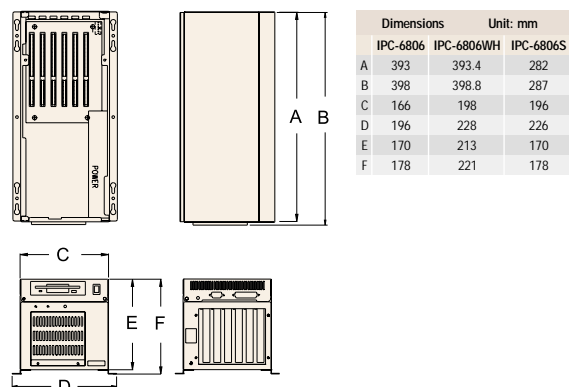


One internal 3.5" drive bay

Easy access to internal components

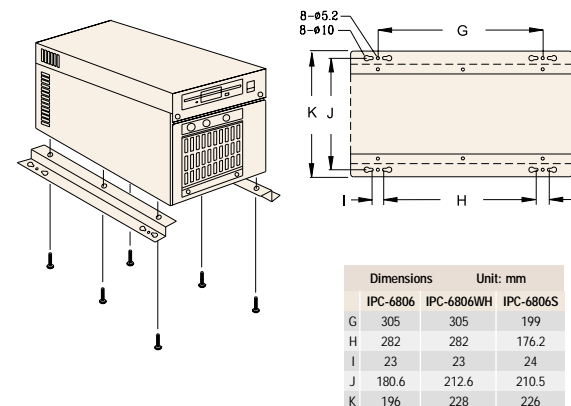


Dimension Diagram



Unit: mm (inch)

Installation



Unit: mm (inch)

Passive Backplane Options

B/P Model Name	Slot per Segment (ISA/PCI/CPU)	Segment
PCA-6106-B	6 ISA	Single
PCA-6106P3-0C1	2/3/1	Single
PCA-6105P5-0B1	5 PCI	Single

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
OP-20PZ (IPC-6806, IPC-6806WH)	200 W	AC 90 ~ 264 V (Full-range)	+5 V @ 16 A +12 V @ 9 A -5 V @ 0.2 A -12 V @ 0.7 A +3.3 V @ 14 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/TÜV/ CB	50,000 hours
OP-15PZ (IPC-6806S only)	150 W	AC 90 ~ 264 V (Full-range)	+5 V @ 14 A +12 V @ 6 A -5 V @ 0.5 A -12 V @ 0.8 A +3.3 V @ 10 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/TÜV/ CB	50,000 hours
PS-100 (IPC-6806S only)	100 W	AC 115-230 V (Auto-select)	+5 V @ 9 A +12 V @ 3.5 A -5 V @ 0.75 A -12 V @ 0.75 A	+5 V @ 2 A +12 V @ 1 A	UL/CSA/ TUV	50,000 hours

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-6806BP-20ZB	OP-20PZ	--	UL, cUL, CE
IPC-6806-20ZB	OP-20PZ	PCA-6106-B	UL, cUL, CE
IPC-6806P3-20ZB	OP-20PZ	PCA-6106P3-0C1	UL, cUL, CE
IPC-6806WHB-20Z	OP-20PZ	--	UL, cUL, CE
IPC-6806WH-20Z	OP-20PZ	PCA-6106-B	UL, cUL, CE
IPC-6806WHP-20Z	OP-20PZ	PCA-6106P3-0C1	UL, cUL, CE
IPC-6806S	PS-100	PCA-6106-B	UL, cUL, CE
IPC-6806SP5	PS-100	PCA-6105P5-A2	UL, cUL, CE
IPC-6806SBP-15Z	OP-15PZ	--	UL, cUL, CE
IPC-6806S-15Z	OP-15PZ	PCA-6106-B	UL, cUL, CE

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IPC-6606

6-slot Desktop/Wallmount Chassis with PS/2 Power Supply



Features

- Cost-effective wallmount/desktop IPC chassis
- Equipped with a 6-slot ISA/PCI backplane to hold six full-length cards
- One front access half-height disk drive and one 3.5" FDD, plus one internal 3.5" HDD
- One 49-CFM cooling fan with air filter
- With 300/250 W ATX power supply options

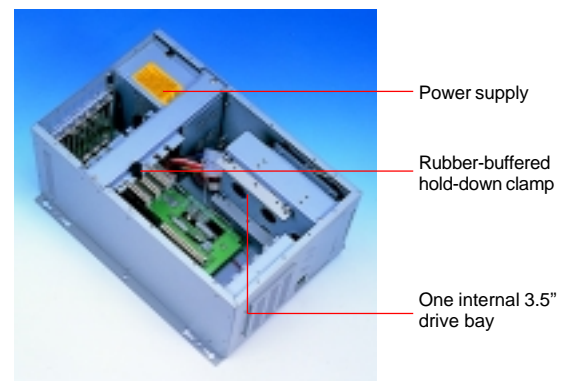
Introduction

Specially designed for factory floor and other harsh industrial environments, the IPC-6606 wallmount IPC chassis is ideal for system integrators or users who require a compact, rugged PC/AT compatible

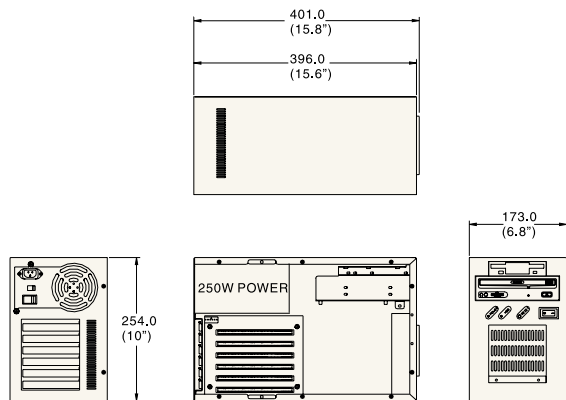
system. The IPC-6606 features a 6-slot passive backplane and a 200 watt power supply. The chassis is only 6.8" wide and can easily be mounted bi-directionally on panels or walls with the supplied brackets.

Specifications

Drive Bay	3.5"	Front-accessible	1	Internal	1
	5.25"		1		
Cooling	Fan		1 (49 CFM)		
	Air Filter		Yes		
Miscellaneous	Control		Front panel reset switch, rear panel power supply		
	Indicator		LEDs for power On/Off and HDD activity		
Environment	Temperature		0 ~ 50 °C (32 ~ 122 °F), operating		
	Humidity		10 ~ 95 % @ 40 °C, non-condensing		
Physical	Dimensions (W x H x D)		173 x 254 x 396 mm (6.8" x 10" x 15.6')		
	Weight		6.2 Kg (13.7 lb)		

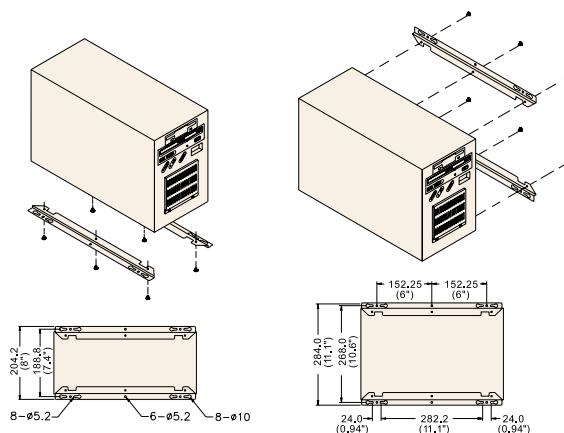


Dimension Diagram



Unit: mm (inch)

Installation



Passive Backplane Options

B/P Model Name	Slot per Segment (ISA/PCI/CPU)	Segment
PCA-6106-B	6 ISA	Single
PCA-6106P3-0C1	2/3/1	Single
PCA-6105P5-0B1	5 PCI	Single

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
PS-250X-DPS (ATX)	250 W @ 25 °C / 200 W @ 50 °C	AC 110/200 V	+5 V @ 25 A +12 V @ 8 A -5 V @ 0.5 A -12 V @ 0.8 A +3.3 V @ 14 A +5 Vsb @ 1 A	+5 V @ 15 A +12 V @ 0.2 A	UL/CSA/TUV/CE/Nordic/CB	100,000 hours @ 25 °C full load
PS-300ATX (ATX)	300 W	AC 110/220 V	+5 V @ 30 A +3.3 V @ 26 A +12 V @ 13 A -12 V @ 0.8 A -5 V @ 0.5 A +5 Vsb @ 2 A	+5 V @ 1 A +12 V @ 0.2 A	UL/CSA/TUV/CE/Nordic/CB	100,000 hours @ 25 °C full load

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-6606BP-00P	Without power supply, with AT switch	--	None
IPC-6606BP-00X	Without power supply, with ATX switch	--	None
IPC-6606BP-25X	PS-250X-DPS (System with AT switch)	--	UL, cUL, CE
IPC-6606BP-30X	PS-300ATX (System with ATX switch)	--	UL, cUL, CE
IPC-6606-25X	PS-250X-DPS (System with AT switch)	PCA-6106-B	UL, cUL, CE
IPC-6606P3-25X	PS-250X-DPS (System with AT switch)	PCA-6106P3-0C1	UL, cUL, CE

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IPC-644

4-slot Compact Desktop/ Wallmount Chassis with Open Frame AC, DC Power Supply



Features

- Ultra-compact wallmount/desktop IPC chassis
- Equipped with a 4-slot ISA or PCI backplane to hold 4 half-size cards
- One front-accessible 3.5" FDD and one internal 3.5" HDD
- Two (9-pin and 25-pin) I/O ports
- Power on switch with connector
- One 49-CFM filtered cooling fan and one 14 CFM cooling fan
- Replaceable and easy to clean fan filters
- 80 W AC, 60 W AC, DC 24 V and DC 48 V power supply options

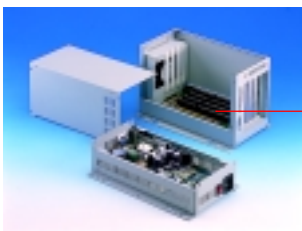
Introduction

The IPC-644 is an ultra-compact 4-slot mini node chassis, an ideal embedded application workhorse. The IPC-644 can be equipped with a 4-ISA or 1 ISA/2 PCI/1 NLX backplane to hold 4 half-size cards. It is also equipped with both DC and AC power inputs. The IPC-644 is ideal for environments such as boats and other modes of transport, yet is equally suitable for indoor operation. Designed to offer optimal performance, it comes with two LED indicators on the front panel for DC power and HDD

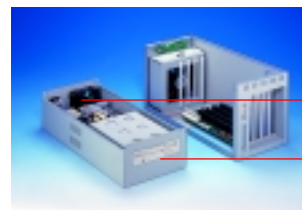
activity, to facilitate easy diagnostics and maintenance. It is also equipped with two controllers, for Reset and Power on/off switch. Disk drives include one 3.5" FDD and one internal HDD. Other features include versatile PCI/ISA-bus backplanes, two 9/25-pin I/O reserved ports, built-in 80 W power supply and two 49/19.4 CFM cooling fans to dissipate heat fast.

Specifications

		Front-accessible	Internal
Drive Bay	3.5"	1	
	3.5"		1
Cooling	Fan	1 (49 CFM), 1 (14 CFM)	
Miscellaneous	Control	System reset, AC power On/Off switch	
	Indicator	LEDs for power On/Off and HDD activity	
	Speaker	One 8 W compact speaker	
Environment	Temperature	0 - 50 °C (32 - 122 °F), operating	
	Humidity	10 - 95 % @ 40 °C, non-condensing	
Physical	Dimensions (W x H x D)	135 x 208 x 305 mm (5.3" x 8.2" x 12")	
	Weight	3.8 Kg (8.4 lb)	



4-slot ISA or NLX backplane to hold 4 half-size cards



One 14-CFM cooling fan
One 3.5" drive bay



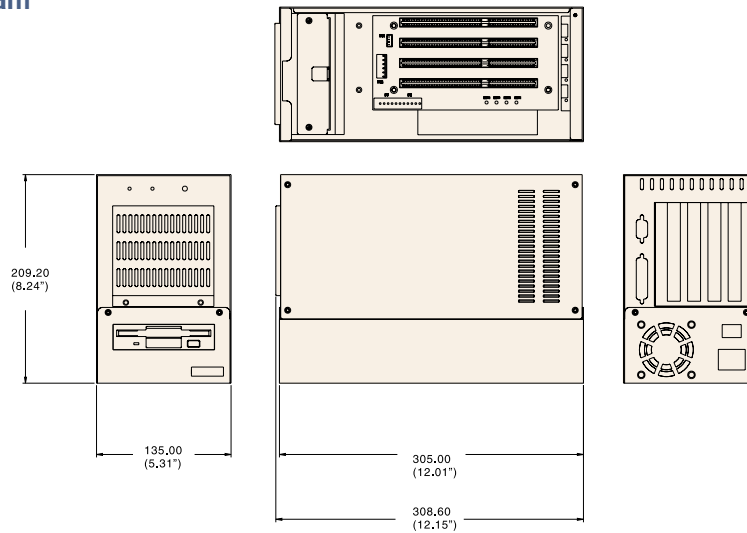
A 49-CFM cooling fan for easy-replacement and maintenance



The IPC-644 is ideal for embedded systems. It can be equipped with 4-ISA, 4 PCI or 1 ISA/2 PCI/1 NLX backplanes to hold up to 4 half-sized cards



Dimension Diagram



Unit: mm (inch)

Passive Backplane Options

B/P Model Name	Slot per Segment (ISA/PCI/CPU)	Segment
PCA-6104	4 ISA	Single
PCA-6104P4	4 PCI	Single

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-644-80	PS-80	PCA-6104	UL, cUL, CE
IPC-644P4-80	PS-80	PCA-6104P4	UL, cUL, CE
IPC-644BP-80	PS-80	--	UL, cUL, CE
IPC-644BP-60	OP-60P	--	UL, cUL, CE
IPC-644BP-D24	OP-60P-D24	--	CE
IPC-644BP-D48	OP-60P-D48	--	CE

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
PS-80	80 W	AC 85 - 264 V	+5 V @ 8 A +12 V @ 3.5 A -12 V @ 1 A	+5 V @ 0.7 A +12 V @ 0.3 A	UL/CSA/CE/ CB/BABT/ VDE/Nemko	50,000 hours
OP-60P	60 W	AC 90 - 264 V	+5 V @ 5 A +12 V @ 2 A -12 V @ 0.5 A	--	CE/CB/CSA/ /TUV	100,000 hours@ 25 °C full load
OP-60P-D24	60 W	DC 18 - 32 V	+5 V @ 6 A +12 V @ 2.5 A -12 V @ 0.3 A	+5 V @ 0 A +12 V @ 0 A -12 V @ 0 A	--	--
OP-60P-D48	60 W	DC 36 - 72 V	+5 V @ 6 A +12 V @ 2.5 A -12 V @ 0.3 A	+5 V @ 0 A +12 V @ 0 A -12 V @ 0 A	--	--

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MBPC-641

4-slot MicroBox Desktop/ Wallmount Chassis with Open Frame AC, DC Power Supply



Features

- Ultra-compact wallmount/desktop IPC chassis
- Equipped with a 4-slot ISA or PCI backplane to hold 4 half-size cards
- Two (9-pin and 25-pin) I/O ports
- Power on switch with connector
- One 49-CFM cooling fan with air filter
- Replaceable and easy to clean fan filters
- 65 W AC , 60 W AC, DC 24 V and DC 48 V power supply options

Introduction

The MBPC-641 MicroBox IPC chassis is an ultra-compact 4-slot IPC chassis for embedded control systems or other limited-space applications. Its small size and rugged design make it excellent for vending machines, mobile computer systems, and unattended controllers. The MBPC-641 provides the necessary framework for

building a complete PC control system. It supports most half-sized CPU cards and is equipped with a mounting panel for special connectors or cable extensions. In addition, the MBPC-641 reserves one RS-232 port and one parallel port. Also included is a 65-watt power supply with power On/Off switch.

Specifications

Cooling	Fan	1 (49 CFM)
	Air Filter	Yes
Miscellaneous	Slot	4 ISA slots, half-size
Environment	Temperature	0 ~ 50 °C (32 ~ 122 °F), operating
	Humidity	10 ~ 95 % @ 40 °C, non-condensing
Physical	Dimensions (W x H x D)	114 x 197 x 245 mm (4.5" x 7.8" x 9.6")
	Weight	2.8 Kg (6 lb)

Passive Backplane Options

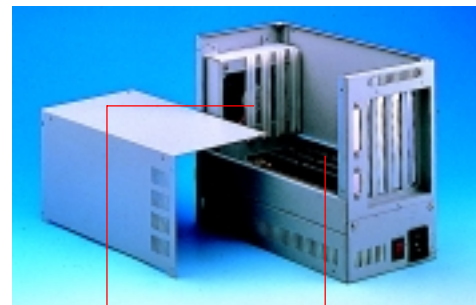
B/P Model Name	Slot per Segment (ISA/PCI/CPU)	Segment
PCA-6104	4 ISA	Single
9692810020	4 PCI	Single

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
MBPC-641	PS-65	PCA-6104	CE
MBPC-641P4	PS-65	9692810020	CE
MBPC-641BP-60	OP-60P	--	UL, cUL, CE
MBPC-641BP-D24	OP-60P-D24	--	CE
MBPC-641BP-D48	OP-60P-D48	--	CE

Power Supply Options

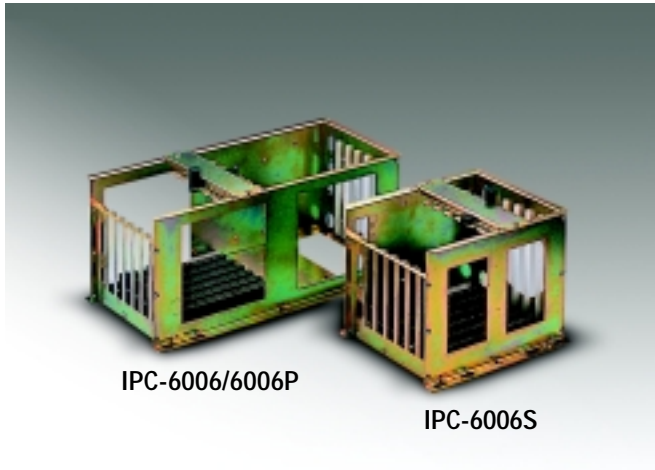
Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
PS-65	65 W	AC 85 ~ 264 V	+5 V @ 5 A +12 V @ 1.7 A -12 V @ 1.7 A	--	UL/CSA/CE/TUV	50,000 hours
OP-60P	60 W	AC 90 V ~ 264 V	+5 V @ 5 A +12 V @ 2.3 A -12 V @ 0.5 A	+5 V @ 0 A +12 V @ 0 A -12 V @ 0 A	UL/CSA/TUV	100,000 hours @ 25 °C full load
OP-60P-D24	60 W	DC 18 V ~ 32 V	+5 V @ 6 A +12 V @ 2.5 A -12 V @ 0.3 A	+5 V @ 0 A +12 V @ 0 A -12 V @ 0 A	--	--
OP-60P-D48	60 W	DC 36 V ~ 72 V	+5 V @ 6 A +12 V @ 2.5 A -12 V @ 0.3 A	+5 V @ 0 A +12 V @ 0 A -12 V @ 0 A	--	--



One 49-CFM cooling fan with air filter

Equipped with a 4-slot ISA or PCI backplane to hold 4 half-sized cards





IPC-6006/6006P

IPC-6006S

Features

- Adjustable hold-down clamp protects cards from vibration
- Plug-in termination resistors for high-speed signals
- Terminal-block connectors supply power from board
- Equipped with a 6-slot passive backplane (optional)
- Mounting holes provided for installing one 250-watt PS/2 power supply (optional), one HDD (optional) and one cooling fan

Introduction

The IPC-6006 series consists of open-frame card cages with a 6-slot ISA or ISA/PCI backplane. They are especially suitable for OEMs who wish to customize the appearance of their PC-based systems. The IPC-

6006 can hold 6 full-length cards, and the IPC-6006S can hold 6 half size cards. They have pre-punched mounting holes for a PS/2 power supply and one 3.5"HDD, allowing for easy system integration.

Specifications

Model Name	IPC-6006	IPC-6006P	IPC-6006S
Dimensions (W x H x D)	158 x 186 x 368 mm (6.2" x 7.3" x 14.5")	158 x 186 x 368 mm (6.2" x 7.3" x 14.5")	158 x 186 x 215 mm (6.2" x 7.3" x 8.4")
Weight	2.2 Kg (4.8 lb)	2.2 Kg (4.8 lb)	1.6 Kg (3.5 lb)

Ordering Information

Part Number	Descriptions
IPC-6006	6 ISA slots, full-size
IPC-6006P	2 ISA/3 PCI/1 CPU slots, full-size
IPC-6006S	6 ISA slots, half-size

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