

Industrial Computer Chassis



ACP-1120



ACP-1000



ACP-2000



IPC-602



ACP-4000

Selection Guide

Model Names		ACP-1120	ACP-1000	ACP-2000	IPC-602	ACP-4000
Specifications						
Height (1U=1.75")		1U	1U	2U	2U	4U
No. of Slots/No.full sized card		3/3	3/3	6/6	6/6	14/11
Drive bay	silmm CD-ROM	1	1	1(0)	-	-
	3.5"	2/2	2	2(1)	2	1
	5.25"			0(1)	1	3
Cooling	No. of Fans	4	4	2	2	2
	CFM	10/Each	10/Each	47/Each	42/Each	84/Each
ISA Backplanes		-	-	-	-	-
PICMG Backplanes		-	-	1 Segment	1 Segment	1 Segment
Power	AC 110/220 V Input	200W ATX/PFC	200W ATX/PFC	300W ATX/PFC 300W ATX/PFC RPS	250W ATX/PFC 260W AT 300W ATX/PFC 400W ATX/PFC	300W ATX/PFC 400W ATX/PFC 300W ATX/PFC RPS
	DC -48V Input	180W	-	310W AT	310W AT	310W AT
System Fault Detection		NO	NO	Yes	No	Yes
Dimension (WxHxD)	(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
	(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
Weight	(Kg)	8	6	10.2	10	14
	(lb)	17.6	13.2	22.5	22.0	30.8
Reference Page		5-4	5-6	5-8	5-10	5-12



ACP-4060



IPC-623



IPC-616



IPC-615



IPC-611



IPC-610-L

ACP-4060	IPC-623	IPC-616	IPC-615	IPC-611	IPC-610-L
4U	4U	4U	4U	4U	4U
14/11	20/20	14/10	15/15	14/10	14/11
-	-	-	-	-	-
0	2	2	1	1	1
3	3	3	2	3	3
2	3	2	2	1	1
84/Each	86/Each	53/Each	86/Each	84	84
-	1/2/4 Segment	-	1 Segment	1 Segment	1 Segment
1 Segment	1/2/4 Segment	1 Segment	1 Segment	1 Segment	1 Segment
250W ATX/PFC 300W ATX/PFC	400W AT 300W AT RPS 400W ATX/PFC RPS 400W ATX RPS	300W ATX/PFC 400W ATX/PFC	300W AT 300W ATX/PFC 400W ATX/PFC 250W AT RPS	250W ATX/PFC 300W ATX/PFC	250W ATX/PFC 300W ATX/PFC
-	-	310W AT	310W AT	-	-
No	Yes	Yes	Yes	No	No
482 x 177 x 480	482 x 177 x 660	482 x 177 x 478	482 x 177 x 478	482 x 177 x 480	482 x 177 x 480
19 x 7 x 18.9	19 x 7 x 26	19 x 7 x 18.8	19 x 7 x 18.8	19 x 7 x 18.9	19 x 7 x 18.9
18	26	16	20	10.2	10.2
39.6	57.2	35.2	44	22.5	22.5
5-14	5-16	5-18	5-20	5-22	5-24

Industrial
Motherboard **1**

Industrial
VGA Card **2**

Industrial
Motherboard
Chassis **3**

Full-sized
CPU Cards **4**

Industrial
Computer
Chassis **5**

Industrial
Computer
Peripherals **6**

Industrial Computer Chassis



IPC-610-H



IPC-610-F



ACP-5260



IPC-622



ACP-7000

Selection Guide

Model Names		IPC-610-H	IPC-610-F	ACP-5260	IPC-622	ACP-7000
Specifications						
Height (1U=1.75")		4U	4U	5U	6U	7U
No. of Slots/No.full sized card		14/11	14/11	20/20	20/20	20/20
Drive bay	silrm CD-ROM	-	-	1	-	1
	3.5"	1	1	1/6	0	1/6
	5.25"	3	3	1	4	2
Cooling	No. of Fans	2	1	5	4	4
	CFM	84/Each	86	46/114	49/Each	57/Each
ISA Backplanes		1 Segment	1 Segment	1 Segment	1/2/4 Segment	1/2/4 Segment
PICMG Backplanes		1 Segment	1 Segment	1 Segment	1/2/4 Segment	1/2/4 Segment
Power	AC 110/220 V Input	300W ATX/PFC 300W ATX/PFC RPS	250W ATX/PFC 260W AT 300W ATX/PFC 400W ATX/PFC 250W AT RPS	460W ATX/PFC RPS	400W ATX/PFC 300W AT RPS 400W ATX/PFC RPS 400W ATX RPS	460W ATX/PFC RPS 570W ATX/PFC RPS (2+1) 810W ATX/PFC RPS (3+1)
	DC 24/48 Input	-	310W AT	-	300W AT RPS	-
System Fault Detection		No	No	Yes	Yes	Yes
Dimension	(mm)	482 x 177 x 480	482 x 177 x 452	482 x 222 x 660	483 x 266 x 462	482 x 307 x 500
	(inches)	19 x 7 x 18.9	19 x 7 x 17.8	19 x 8.75 x 26	19 x 10.5 x 18	19 x 12.1 x 19.7
Weight	(Kg)	10.2	10.2	30	30	35
	(lb)	22.5	22.5	66	66	77
Reference Page		5-26	5-28	5-30	5-32	5-34

Industrial
Motherboard **1**Industrial
VGA Card **2**Industrial
Motherboard
Chassis **3**Full-sized
CPU Cards **4**Industrial
Computer
Chassis **5**Industrial
Computer
Peripherals **6**

IPC-6908



IPC-6608



IPC-6806



IPC-6606



IPC-644



MBPC-641

IPC-6908	IPC-6608	IPC-6806	IPC-6606	IPC-644	MBPC-641
8/8	8/8	6/6	6/6	4/0	4/0
-	-	-	-	-	-
2	1	2	2	2	0
2	2	0	1	0	0
2	1	1	1	2	1
49/Each	86	49	49	49/19	49
1 Segment	1 Segment	1 Segment	1 Segment	1 Segment	1 Segment
1 Segment	1 Segment	1 Segment	1 Segment	-	-
260W AT 250W ATX/PFC 300W ATX/PFC 400W ATX/PFC 250W AT RPS	260W AT 250W ATX/PFC 300W ATX/PFC	200 W AT/PFC	250W ATX/PFC 300W ATX/PFC	60W	60W
310W AT DC48V	-	-	-	60W DC24/48V	60W DC24/48V
Yes	No	No	No	No	No
200 x 300 x 463	173 x 315 x 410	166 x 170 x 393	173 x 254 x 396	135 x 209 x 305	114 x 197 x 245
7.9 x 11.8 x 18.2	6.8 x 12.4 x 16.1	6.5 x 6.7 x 15.4	6.8 x 10 x 15.6	5.3 x 8.2 x 12	4.5 x 7.8 x 9.6
12	5.6	5.6	6.2	3.8	2.8
26.4	12.3	12.3	13.6	8.4	6.2
5-36	5-38	5-40	5-42	5-44	5-46

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

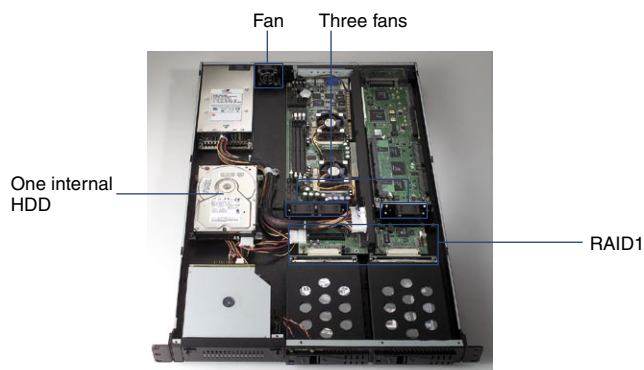
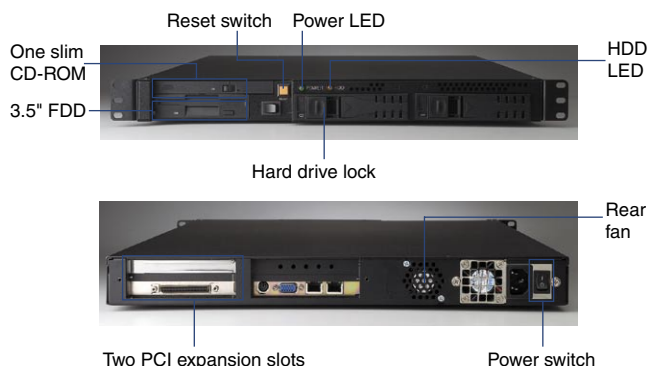


Introduction

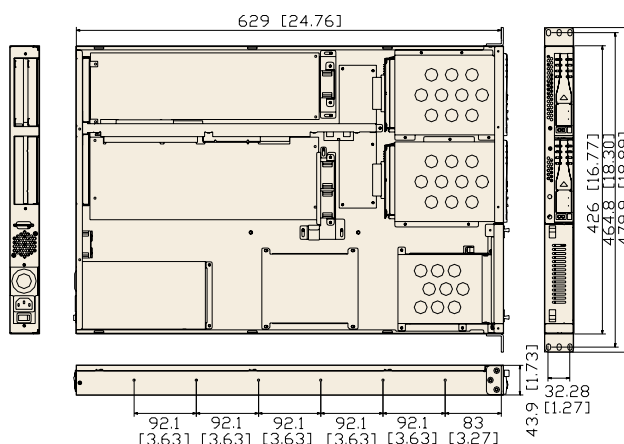
APC-1120 is a rack-optimized 1U-high industrial computer chassis that offers superior performance and scalability for enterprise users who want to expand their businesses without increasing the data center space. Supporting dual hot-swappable IDE hard drives for data mirroring backup, the chassis is 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

Drive Bay	3.5"	Front-accessible	Internal
		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	
Environment		Operating	Non-Operating
		Temperature	0 ~ 40 °C (32 ~ 104 °F)
		Humidity	-20 ~ 60 °C (-4 ~ 140 °F)
		Vibration (5-500 Hz)	10 ~ 95 % @ 40 °C, non-condensing
		Shock	1 Grms
		Acoustic Noise	2 G
Physical	Dimensions (W x H x D)	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)
		Weight	0 to 3048 m (0 ~ 10,000 ft)
		482 x 44 x 629 mm (19" x 1.7" x 24.76")	
		8.0 Kg (17.6 lb)	



Dimension Diagram

Industrial
Motherboard **1**Industrial
VGA Card **2**Industrial
Motherboard
Chassis **3**Full-sized
CPU Cards **4**Industrial
Computer
Chassis **5**Industrial
Computer
Peripherals **6**

Power Supply Options

Part Number	Specifications					MTBF
	Watt	Input	Output	Mini-load	Safety	
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

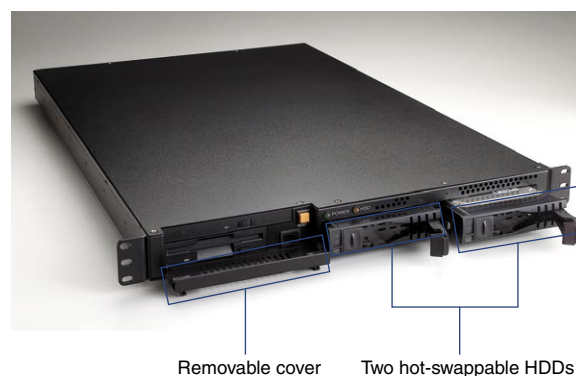
Part Number	Descriptions
SCD-ROM	Slim-type CD-ROM kit with 40-pin IDE connector
9684000014	3.5" FDD with black bezel

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



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

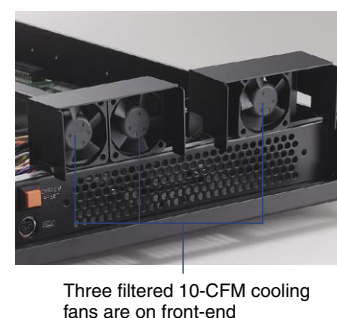
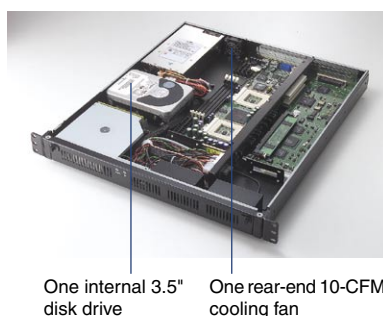
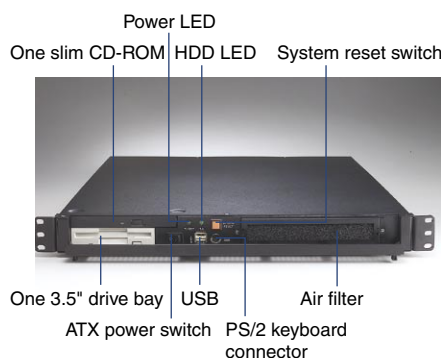


Introduction

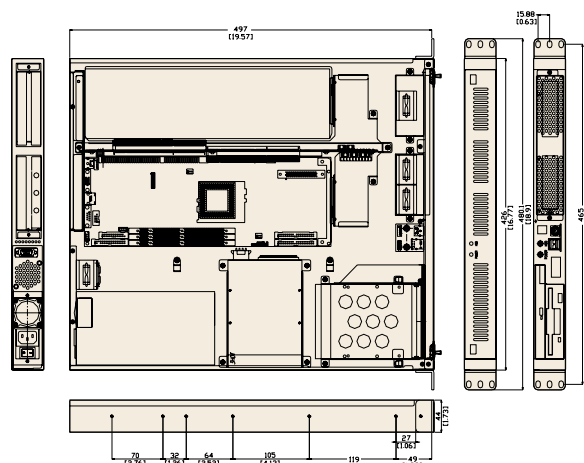
ACP-1000 is a reliable and stable 1U-high 3-slot 19" rackmount industrial computer chassis. This chassis can support up to two 64-bit PCI expansion slots and comes with a 200W ATX PFC power supply. In addition, four abundant cooling fans are included to form a front-to-rear air flow for outstanding ventilation. A front-access USB and PS/2 design is added to facilitate maintenance and access of the unit. Moreover, ACP-1000 can accommodate various Intel® 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
Cooling	Fan	Front-accessible 3 (10 CFM/each)	Rear Panel 1 (10 CFM)
	Air Filter	Yes	--
I/O Interface	USB	2 (front-accessible)	
	PS/2	1 (keyboard x 1, front-accessible)	
Environment		Operating	Non-Operating
	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)	
Physical	Altitude	0 to 3048 m (0 ~ 10,000 ft)	
	Dimensions (W x H x D)	482 x 44 x 500 mm (19" x 1.7" x 19.7")	
	Weight	6.0 Kg (13.2 lb)	



Dimension Diagram



Unit: mm (inch)

Industrial Motherboard 1

Industrial VGA Card 2

Industrial Motherboard Chassis 3

Full-sized CPU Cards 4

Industrial Computer Chassis 5

Industrial Computer Peripherals 6

Power Supply Options

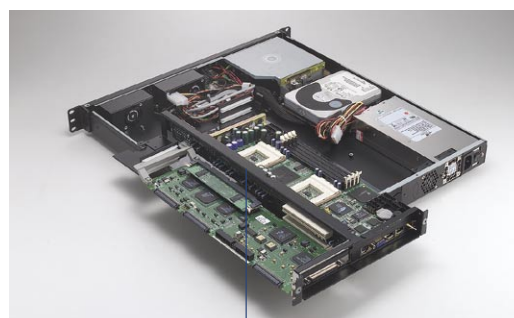
Part Number	Specifications					MTBF
	Watt	Input	Output	Mini-load	Safety	
1757920000 (ATX, PFC)	200 W	AC 90 ~ 264 V (Full-range)	+5 V @ 16 A +3.3 V @ 14 A +12 V @ 9 A -12 V @ 0.7 A -5 V @ 0.2 A +5 Vsh @ 1.5 A	+5 V @ 2 A +12 V @ 1 A -5 V @ 0.1 A -12 V @ 0.1 A +3.3 V @ 0.1 A	UL/cUL/CE EN61000-3-2 Class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

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	PCA-6103P2V-0A1 (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



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

Accessory Options

Part Number	Descriptions
9689000535	1U slide rail for ACP-1000 only
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



One 10-CFM cooling fan is on rear-end

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
- 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

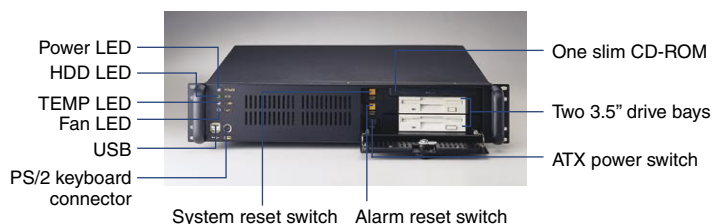


Introduction

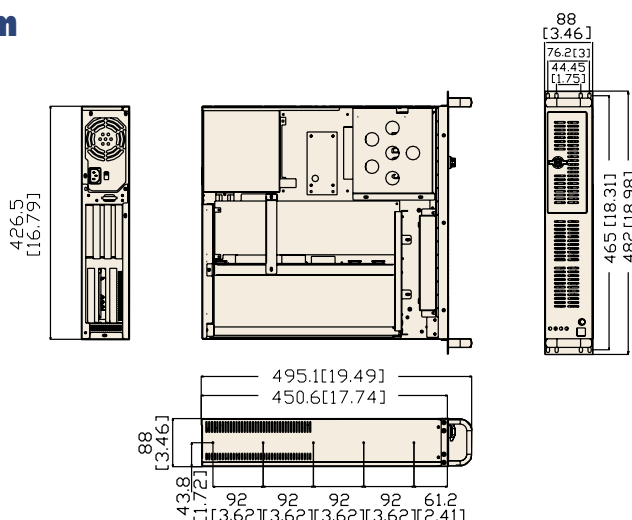
ACP-2000 is a compact, yet rugged 2U-high 19" rackmount industrial computer chassis designed for space-conscious applications. Customers can expand their business without worrying about space efficiency because ACP-2000 is only 2U-high and satisfies CT, voice portal, high-density voice processing and networking application requirements. Fast-growing Internet service providers and corporate enterprise customers can use 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	Front-accessible	
	3.5"	1	2
Cooling	Fan	2 (47 CFM/each)	
	Air Filter	Yes	
I/O Interface	USB	2 (front-accessible)	
	PS/2	1 (keyboard x 1, front-accessible)	
Miscellaneous	Slide Rail	General Device C-300 series supported (not included)	
Environment		Operating	Non-Operating
	Temperature	0 ~ 40 °C (32 ~ 104 °F)	-20 ~ 60 °C (-4 ~ 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)	
Physical	Altitude	0 to 3048 m (0 ~ 10,000 ft)	
	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)

Industrial Motherboard 1

Industrial VGA Card 2

Industrial Motherboard Chassis 3

Full-sized CPU Cards 4

Industrial Computer Chassis 5

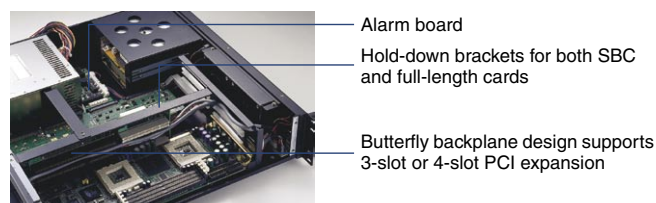
Industrial Computer Peripherals 6

Power Supply Options

Part Number	Watt	Input	Specifications			
			Output	Mini-load	Safety	MTBF
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/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC Class B CB/CCC	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
PS-300ATX-ZB (ATX, PFC)	300 W	AC90-264 V (Full-range)	+5 V @ 30 A +3.3 V @ 28 A +12 V @ 15 A -12 V @ 0.8 A -5 V @ 0.3 A +5 Vsb @ 2 A	+5 V @ 0.1 A +3.3 V @ 0.3 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25° C

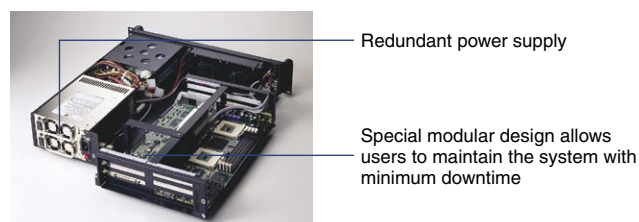
Storage Device Options

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-0B1	None
ACP-2000P3-00X	Without power supply, with ATX switch	PCA-6106P3V-0B1	None
ACP-2000P3-30Z	PS-300ATX-ZB	PCA-6106P3V-0B1	UL, cUL, CE
ACP-2000P3-30D	PS-310-DC48	PCA-6106P3V-0B1	CE
ACP-2000P3-30R	RPS-300ATX-Z	PCA-6106P3V-0B1	UL, cUL, CE
ACP-2000P4-00X	Without power supply, with ATX switch	PCA-6105P4V-0B2	None
ACP-2000P4-30Z	PS-300ATX-ZB	PCA-6105P4V-0B2	UL, cUL, CE
ACP-2000P4-30R	RPS-300ATX-Z	PCA-6105P4V-0B2	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

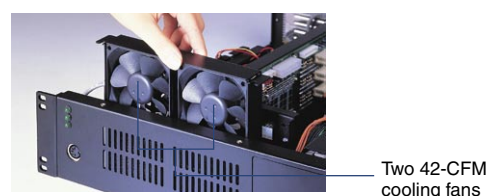


Introduction

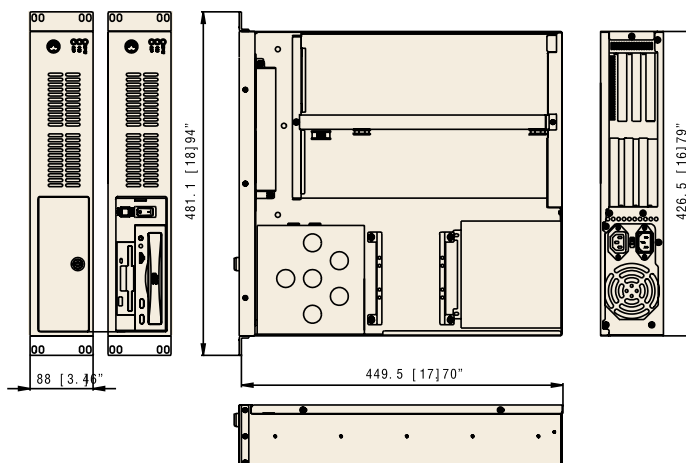
IPC-602 is a slim rugged 2U-high 19" rackmount industrial computer chassis designed for space-limited applications. With only 2U in height, IPC-602 provides the space efficiency required in applications such as CT and networking. It can accommodate a six PCI/ISA backplane with a butterfly design. In addition, IPC-602 has easy-to-replace fans and filters, giving you easier serviceability for the system.

Specifications

Drive Bay		Front-accessible	Internal
		1	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 V DC status and HDD activity	
	Keyboard Connector	Reserved 9-pin and 25-pin brackets at rear panel	
Environment		Operating	Non-Operating
	Temperature	0 ~ 40 °C (32 ~ 104 °F)	-20 ~ 60 °C (-4 ~ 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)

Industrial
Motherboard 1Industrial
VGA Card 2Industrial
Motherboard
Chassis 3Full-sized
CPU Cards 4Industrial
Computer
Chassis 5Industrial
Computer
Peripherals 6

Power Supply Options

Part Number	Watt	Input	Specifications			
			Output	Mini-load	Safety	MTBF
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/TÜV	140,000 hours @ 50 °C full load
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 @ 1.5 A +12 V @ 0.3 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25 °C full 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/CCC	100,000 hours @ 25 °C 75 %load
PS-300ATX-ZB (ATX, PFC)	300W	AC 90-264 V (Full range)	+5 V @ 30 A, +3.3 V @ 28 A +12 V @ 15 A, -12 V @ 0.8 A -5 A @ 0.3 A, +5 Vsb @ 2 A	+5 V @ 0.1 A +3.3 V @ 0.3 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA Nemko/CB/CCC	100,000 hours @25 °C

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
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-0B1	None
IPC-602P3-00X	Without power supply, with ATX switch	PCA-6106P3V-0B1	None
IPC-602P3-25Z	PS-250ATX-Z	PCA-6106P3V-0B1	UL, cUL, CE
IPC-602P3-26P	PS-260-610E	PCA-6106P3V-0B1	UL, cUL, CE
IPC-602P3-30D	PS-310-DC48	PCA-6106P3V-0B1	UL, cUL, CE
IPC-602P3-30Z	PS-300ATX-ZB	PCA-6106P3V-0B1	UL, cUL, CE
IPC-602P4-00X	Without power supply, with ATX switch	PCA-6105P4V-0B2	None
IPC-602P4-25Z	PS-250ATX-Z	PCA-6105P4V-0B2	UL, cUL, CE
IPC-602P4-30Z	PS-300ATX-ZB	PCA-6105P4V-0B2	UL, cUL, CE

ACP-4000

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



Features

- Front-accessible and user-friendly USB and PS/2 keyboard
- Visible alarm notification improves system availability and reduces system downtime
- Compatible with Dialogic computer telephony (CT) boards providing access to a wide range of call processing applications
- Advanced cooling system, optimally placed, to cool the 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

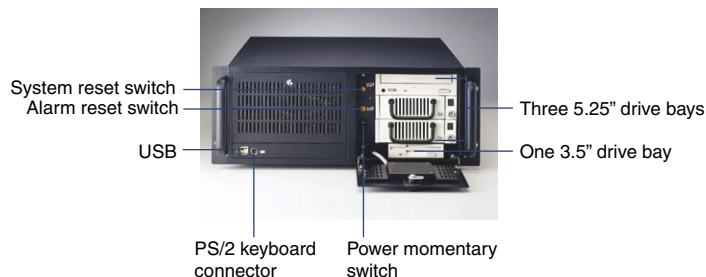


Introduction

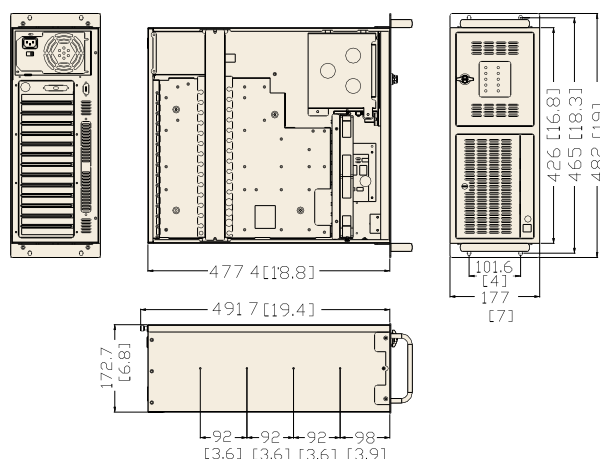
ACP-4000 is a 4U-high 14-slot rackmount industrial computer chassis designed for building mission-critical applications. The unit includes a versatile 14-slot passive backplane (optional), high-efficiency 300 W ATX with PFC (Power Factor Correction) power supply, and dual easy maintenance cooling fans. A fault detection and alarm notification system monitors the system 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	2 (front-accessible)	
	PS/2	1 (keyboard x 1, front-accessible)	
Miscellaneous	Slide Rail	General Device C-300 series supported (not included)	
Environment		Operating	Non-Operating
	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 177 x 480 mm (19" x 7" x 18.9")	
	Weight	14 Kg (30.8 lb)	



Dimension Diagram



Unit: mm (inch)

Industrial
Motherboard **1**Industrial
VGA Card **2**Industrial
Motherboard
Chassis **3**Full-sized
CPU Cards **4**Industrial
Computer
Chassis **5**Industrial
Computer
Peripherals **6**

Power Supply Options

Part Number	Watt	Input	Output	Specifications		
				Mini-load	Safety	MTBF
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(60950 3rd) TUV/CE/CB/CCC	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/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC Class B CB/CCC	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
PS-300ATX-ZB (ATX, PFC)	300 W	AC90-264 V (Full-range)	+5 V @ 30 A,+3.3 V @ 28 A +12 V @ 15 A,-12 V @ 0.8 A -5 V @ 0.3 A,+5 Vsb @ 2 A	+5 V @ 0.1 A +3.3 V @ 0.3 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000,000 hours @ 25 °C

Passive Backplane Options

Part Number	Slot	Segment
PCA-6113P4R-0C1	7 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P4-C	8 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P7-0D2	4 ISA, 6 PCI, 3 PICMG, 1 PCI/ISA	Single
PCA-6114P10-B	2 ISA, 10 PCI, 2 PICMG	Single
PCA-6114P12-0B1	1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6113 P7X	4 ISA, 7PCI, 2 PICMG	Single
PCA-6114-0B1	14 ISA	Single
PCA-6114P12X-A1	1 ISA, 11 PCI, 1 PICMG,1 PICMG/PCI	Single

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-ZB	--	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

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

ACP-4060

4U 14-slot Rackmount Chassis with 6.4" LCD Display



Features

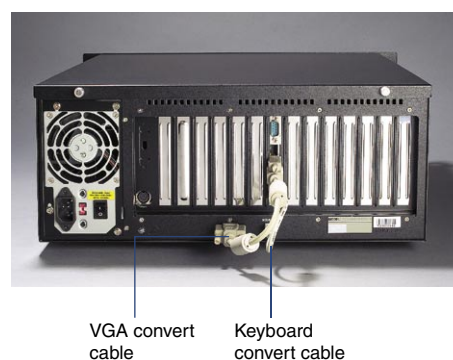
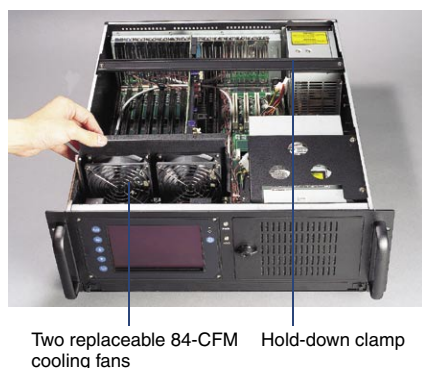
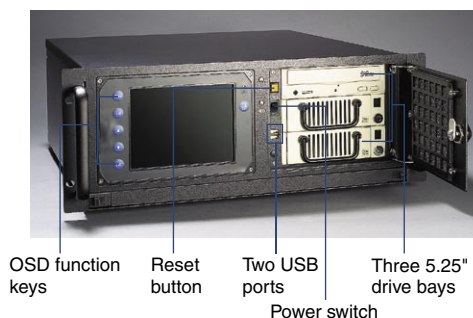
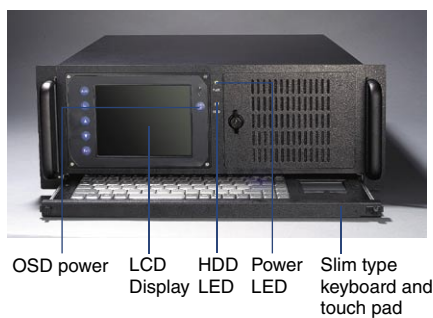
- 4U-high 19" Rackmount chassis with 6.4" TFT display, OSD features, slim type keyboard and touch pad
- All-in-one space saving IPC system provides low-cost
- Equipped with 250 W ATX PFC PS/2 power supply
- Easy installation front accessible disk drive bays to hold three half-height drives
- Designed to withstand environmental extremes, such as shock, vibration and high temperature
- Optional ATX motherboard version and 300 W PFC P/S



Introduction

ACP-4060 is a 4U-high 19" rackmount industrial computer chassis with versatile optional 14-slot backplane designed for mission-critical applications. The unit includes a 6.4" front viewable LCD TFT display, built-in A/D board, OSD (On Screen Display) features and a slim type keyboard and touch pad. The high-efficiency 250 W or 300 W ATX PFC (Power Factor Correction) power supply and dual easy maintenance cooling fans provide reliable power and cooling. It is an all-in-one cost-effective platform for multiple high-priority applications.

A front viewable system status LED monitors the power, HDD and LCD activity. Advanced user-friendly OSC (On Screen Control) function keys support the LCD display. Behind the door are accessible system reset, power switch and USB which supports a wide range of peripheral devices for data transfer. ACP-4060's flexible mechanical design supports single PS/2 or redundant power supply through a power bracket replacement.



Specifications

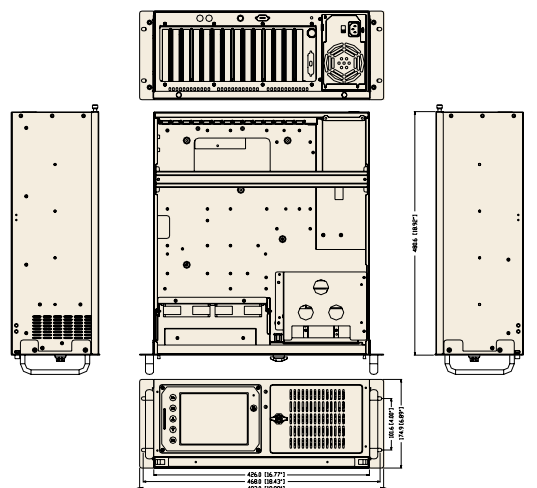
Drive Bay	5.25"	Front-accessible	Internal
	3.5"	3	
Cooling	Fan	2 (84 CFM/each)	
	Air Filter	Yes (front door and side chassis)	
I/O Interface	USB	2 (front accessible behind the door)	
	PS/2	1 (K/B & Mouse input at rear)	
	VGA	1 (D-SUB 15-pin female input at rear)	
Miscellaneous	LCD	6.4" (diagonal) TFT, 640 x 480, 150 cd/m ²	
	Keyboard	Slim type K/B US version 88 keys	
	Touchpad	Standard IMB PS/2, 2 button mouse, compatible with all PS/2 mouse drivers	
	Slide Rail	General Device C-300 series supported (not included)	
	Indicator	Power, HDD and LCD activity	
	Rear panel	D-SUB 25-pin bracket	
Environment	Temperature	Operating: 0 ~ 40 °C (32 ~ 104 °F) Non-Operating: -40 ~ 60 °C (-40 ~ 140 °F)	
	Humidity	10 ~ 85 % @ 40 °C, non-condensing	10 ~ 95 % @ 40 °C, non-condensing
	Vibration (5 ~ 500 MHz)	1 Grms	2 G
	Shock	10 G (With 11 msec duration, 1/2 sine wave)	30 G
	Acoustic Noise	Less than 52dB sound pressure at 5 ~ 28 °C (41 ~ 82 °F)	
	Altitude	0 to 3048 m (0 ~ 10,000 ft)	
	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	18 kg (39.6 lb)	

Industrial
Motherboard 1Industrial
VGA Card 2Industrial
Motherboard
Chassis 3Full-sized
CPU Cards 4Industrial
Computer
Chassis 5Industrial
Computer
Peripherals 6

Power Supply Options

Part Number	Watt	Input	Output	Specifications		
				Mini-load	Safety	MTBF
PS-250ATX-Z (ATX, PFC)	250 W	95 ~ 132 V _{AC} 190 ~ 264 V _{AC} (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 +3.3 V @ 0.3 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25 °C full load
PS-300ATX-ZB (ATX, PFC)	300 W	100 ~ 240 V _{AC} (Full-range)	+5 V @ 30 A, +3.3 V @ 28 A +12 V @ 15 A, -12 V @ 0.8 A -5 V @ 0.3 A, +5 Vsb @ 2 A	+5 V @ 0.1 A +3.3 V @ 0.3 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25 °C full load

Dimension Diagram



Passive Backplane Options

Part Number	Slot	Segment
PCA-6114-0B1	32-bit, 14-slot : 14 ISA	1
PCA-6114P4-C	32-bit, 14-slot : 8 ISA, 4 PCI, 2 PICMG	1
PCA-6114P7-0D2	32-bit, 14-slot : 4 ISA, 6 PCI, 3 PICMG, 1 PCI/ISA	1
PCA-6114P10-B	32-bit, 14-slot : 2 ISA, 10 PCI, 2 PICMG	1
PCA-6114P12-0B1	32-bit, 14-slot : 1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	1
PCA-6114P12X-A1	64-bit, 14-slot : 1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	1
PCA-6113P4R-0C1	32-bit, 13-slot : 7 ISA, 4 PCI, 2 PICMG	1
PCA-6113P7X	64-bit, 13-slot : 4 ISA, 7 PCI, 2 PICMG	1

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
ACP-4060BP-00X	Without power supply, with ATX switch	--	None
ACP-4060BP-25Z	PS-250ATX-Z	--	UL, cUL, CE
ACP-4060P4-25Z	PS-250ATX-Z	PCA-6114P4-C	UL, cUL, CE
ACP-4060BP-30Z	PS-300ATX-ZB	--	UL, cUL, CE
ACP-4060P4-30Z	PS-300ATX-ZB	PCA-6114P4-C	UL, cUL, CE

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

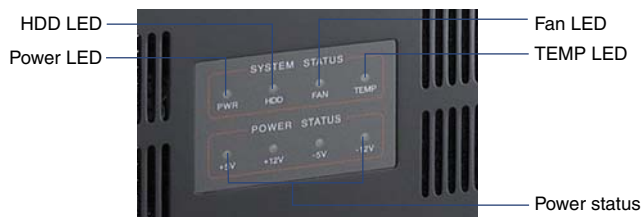
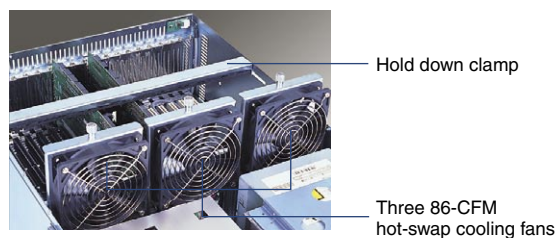
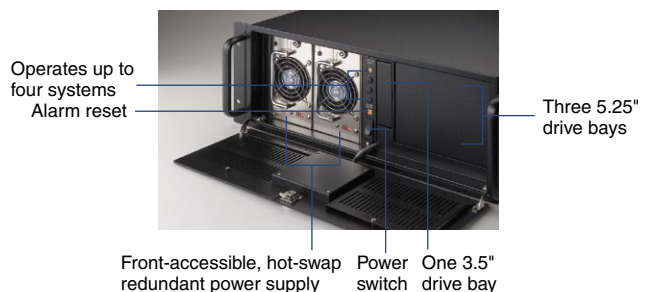


Introduction

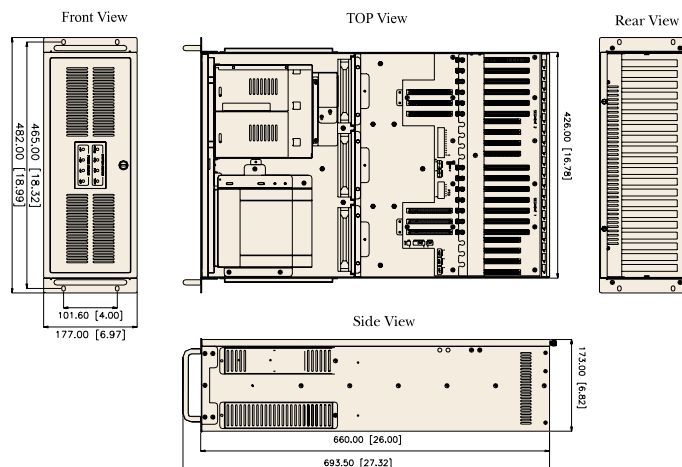
IPC-623 is a 4U-high 19" rackmount industrial computer chassis which can hold a 20-slot PCI/ISA backplane and 300 W/400 W redundant power supply. These features set it apart from the others. IPC-623 allows installation of multiple PC systems in a single chassis. A wide variety of multi-segment ISA or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

Specifications

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



Dimension Diagram



Unit: mm (inch)

Industrial
Motherboard 1Industrial
VGA Card 2Industrial
Motherboard
Chassis 3Full-sized
CPU Cards 4Industrial
Computer
Chassis 5Industrial
Computer
Peripherals 6

Power Supply Options

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

Passive Backplane Options

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

Storage Device Options

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

Special Cable Options

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

Ordering Information

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

IPC-616

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



Features

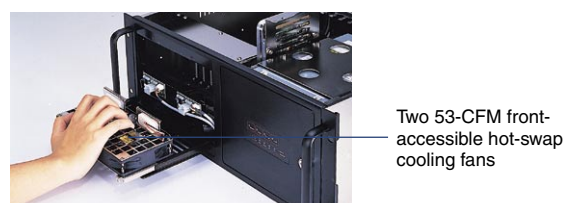
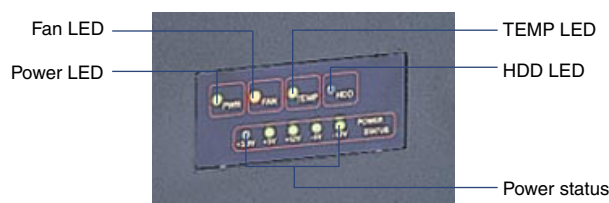
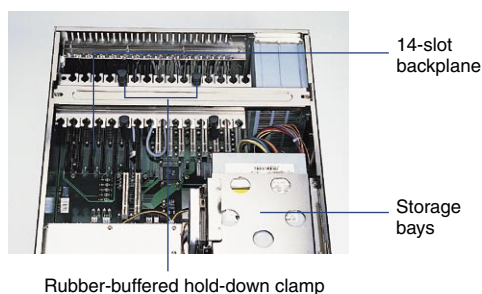
- 4U-high 14-slot rackmount chassis
- Supports up to three 5.25" and two 3.5" HDDs
- 300 W ATX or 310 W DC power supply option
- Two 53-CFM front-access hot-swap cooling fans

Introduction

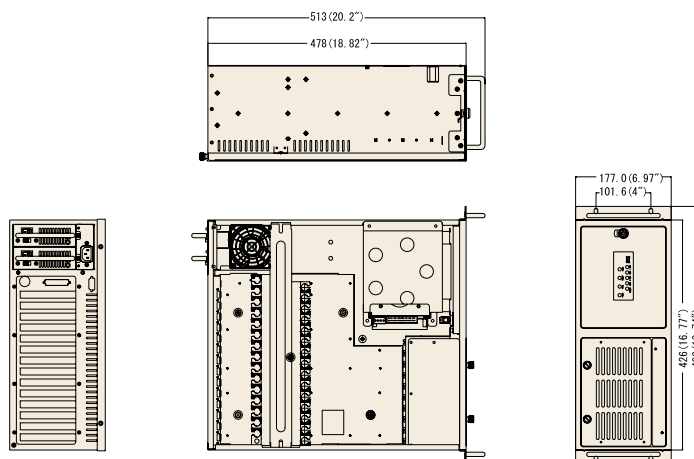
IPC-616 is a 4U-high 19" rackmount industrial computer chassis which can hold a 14-slot PCI/ISA passive backplane. Various power supply options are available. You can equip the chassis with a 300 W redundant power supply or a single PS/2 power supply up to 300 W. As more and more applications require mass capacity and higher reliability, 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 to reduce system downtime. All these make IPC-616 an ideal 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)	



Dimension Diagram



Unit: mm (inch)

Industrial
Motherboard **1**Industrial
VGA Card **2**Industrial
Motherboard
Chassis **3**Full-sized
CPU Cards **4**Industrial
Computer
Chassis **5**Industrial
Computer
Peripherals **6**

Power Supply Options

Part Number	Watt	Input	Output	Specifications		MTBF
				Mini-load	Safety	
PS-300ATX-ZB (ATX, PFC)	300 W	AC90-264 V (Full-range)	+5 V @ 30 A +3.3 V @ 28 A +12 V @ 15 A -12 V @ 0.8 A -5 V @ 0.3 A +5 Vsb @ 2 A	+5 V @ 0.1 A +3.3 V @ 0.3 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25° C
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 (60950 3rd) TUV/CE/CB/CCC	100,000 hours @ 25 °C (75 % load)

Passive Backplane Options

Part Number	Slot	Segment
PCA-6114P4-C	8 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P7-0D2	4 ISA, 6 PCI, 3 PICMG, 1 PCI/ISA	Single
PCA-6114P10-B	2 ISA, 10 PCI, 2 PICMG	Single
PCA-6113P4R-0C1	7 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P12-0B1	1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6113P7X	4 ISA, 7 PCI (64-bit), 2 PICMG	Single
PCA-6114-0B1	14 ISA	Single
PCA-6114P12X-A1	1ISA, 11PCI, 1PICMG, 1 PICMG/PCI	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

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-30Z	PS-300ATX-ZB	--	UL, cUL, CE
IPC-616BP-40Z	PS-400ATX-Z	--	UL, cUL, CE

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

IPC-615

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



Features

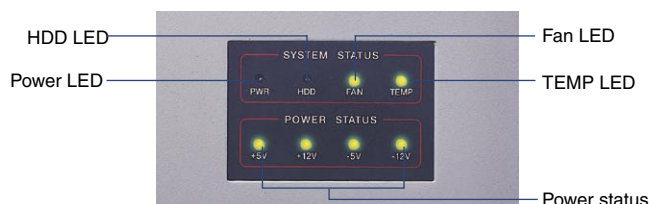
- 4U-high 15-slot rackmount chassis (supports full-length cards)
- Versatile power supply options
- Fault detection/alarm notification
- Two filtered 86-CFM cooling fans

Introduction

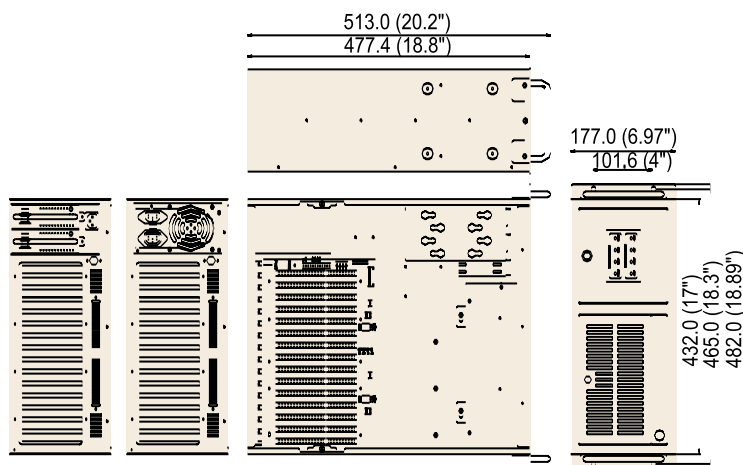
IPC-615 is a 15-slot, 19" rackmount Industrial computer chassis which can accept up to 15 ISA/PCI full-length cards. IPC-615 has versatile power supply options and a front-accessible disk drive bay that can hold two half-height and one 3.5" storage devices. It also features an advanced fault detection and alarm notification system. 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 IPC-615's LED status panel located at the front of the unit.

Specifications

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



Dimension Diagram



Unit: mm (inch)

Industrial
Motherboard **1**Industrial
VGA Card **2**Industrial
Motherboard
Chassis **3**Full-sized
CPU Cards **4**Industrial
Computer
Chassis **5**Industrial
Computer
Peripherals **6**

Power Supply Options

Part Number	Watt	Input	Output	Specifications			MTBF
				Mini-load	Safety		
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/CE/FCC/CSA/TUV		250,000 hours @ 35 °C
PS-300ATX-ZB (ATX, PFC)	300 W	AC 90-264 V (Full-range)	+5 V @ 30 A, +3.3 V @ 28 A +12 V @ 15 A, -12 V @ 0.8 A -5 V @ 0.3 A, +5 Vsb @ 2 A	+5 V @ 0.1 A +3.3 V @ 0.3 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC		100,000 hours @ 25 °C
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 (60950 3rd) TUV/CE/CB/CCC		100,000 hours @ 25 °C 75 % load

Passive Backplane Options

Part Number	Slot	Segment
PCA-6114P4-C	8 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P7-0D2	4 ISA, 6 PCI, 3 PICMG, 1 PCI/ISA	Single
PCA-6114P10-B	2 ISA, 10 PCI, 2 PICMG	Single
PCA-6114P12-0B1	1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6113P7X	4 ISA, 7 PCI (64-bit), 2 PICMG	Single
PCA-6113P4R-0C1	7 ISA, 7 PCI, 2 PICMG	Single
PCA-6114P12X-A1	1 ISA, 11 PCI, 1 PICMG, 1 PICMG/PCI	Single
PCA-6115-0B1	15 ISA	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-31DB	PS-310-DC48	--	UL
IPC-615BP-25RB	RPS-250-SADT	--	UL, CE
IPC-615BP-30ZB	PS-300ATX-ZB	--	UL, cUL, CE
IPC-615BP-40ZB	PS-400ATX-Z	--	UL, cUL, CE
IPC-615-30ZB	PS-300ATX-ZB	PCA-6115-0B1	UL, cUL, CE
IPC-615B-300	PS-300	PCA-6115-0B1	UL, CE
IPC-615B-25R	RPS-250-SADT	PCA-6115-0B1	UL, CE

IPC-611

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



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 applications
- 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

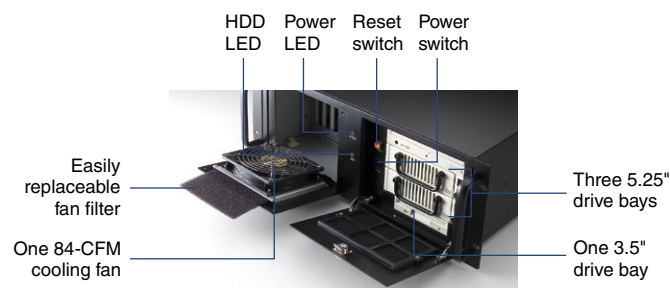


Introduction

IPC-611 is a 4U-high 14-slot rackmount IPC chassis designed for building 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 requests, IPC-611 supports 12 full-length slots for high-density applications. The flexible mechanical design provides PS/2 size single or redundant power supply through a power bracket replacement. A wide range of standard computing peripherals can be integrated with the chassis to meet application development under mission-critical environments 24 hours a day, 7 days a week.

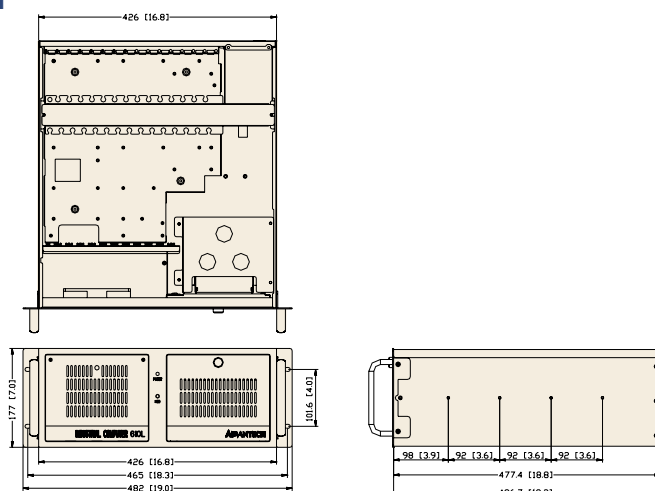
Specifications

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	
	Rear Panel	D-SUB 9-pin and 25-pin bracket	
Environment	Temperature	Operating 0 ~ 40 °C (32 ~ 104 °F)	Non-Operating -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 msec duration, 1/2 sine wave)	30 G
	Acoustic Noise	Less than 52 dB sound pressure at 5 ~ 28 °C (-4 ~ 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

Dimension Diagram



Unit: mm (inch)

Industrial
Motherboard 1Industrial
VGA Card 2Industrial
Motherboard
Chassis 3Full-sized
CPU Cards 4Industrial
Computer
Chassis 5Industrial
Computer
Peripherals 6

Power Supply Options

Part Number	Watt	Input	Output	Specifications		
				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 (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25 °C full 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/cUL (60950 3rd) CE (EN61000-3-2 Class D) FCC/CB/CCC/TUV	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
PS-300ATX-ZB (ATX, PFC)	300 W	AC 90 ~ 264 V (Full-range)	+5 V @ 30 A, +3.3 V @ 28 A +12 V @ 15 A, -12 V @ 0.8 A -5V @ 0.8 A, +5 Vsb @ 2 A	+5 V @ 0.1 A +3.3 V @ 0.1 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25 °C full load

Passive Backplane Options

Part Number	Slot	Segment
PCA-6113P4R-0C1	7 ISA, 4 PCI, 2 PICMG	Single
PCA-6113P7X	4 ISA, 7 PCI (64-bit), 2 PICMG	Single
PCA-6114P4-C	8 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P7-0D2	4 ISA, 6 PCI, 3 PICMG, 1 PCI/ISA	Single
PCA-6114P10-B	2 ISA, 10 PCI, 2 PICMG	Single
PCA-6114P12-0B1	1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6114-0B1	14 ISA	Single
PCA-6114P12X-A1	1ISA, 11PCI, 1PICMG, 1PICMG/PCI	Single



Rear panel of backplane version

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-611BP-00P	Without power supply, with AT switch	--	None
IPC-611BP-00X	Without power supply, with ATX switch	--	None
IPC-611BP-25Z	PS-250ATX-Z	--	UL, cUL, CE
IPC-611P4-25Z	PS-250ATX-Z	PCA-6114P4-C	UL, cUL, CE
IPC-611BP-30Z	PS-300ATX-ZB	--	UL, cUL, CE

IPC-610-L

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

NEW



Features

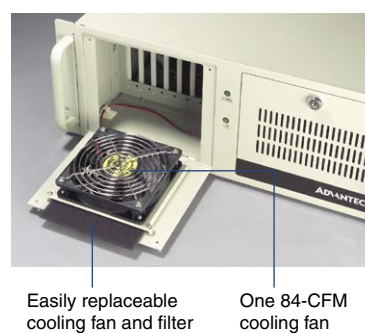
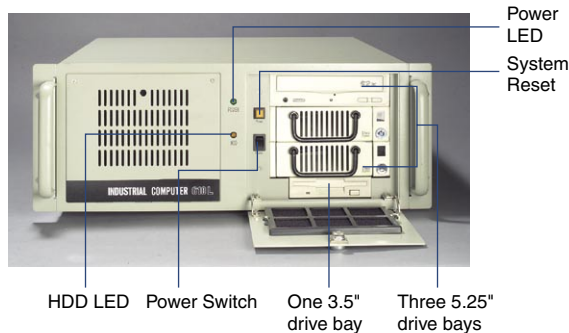
- User-friendly and front-accessible filter for system maintenance
- Front bezel visible Power and HDD LED activity notification
- Designed to withstand environmental extremes, such as shock, vibration and high temperature
- Shock-resistant disk drive bays holds three 5.25" and one 3.5" front-accessible disk drives
- Flexible mechanical design supports both PS/2 single and redundant power supply

Introduction

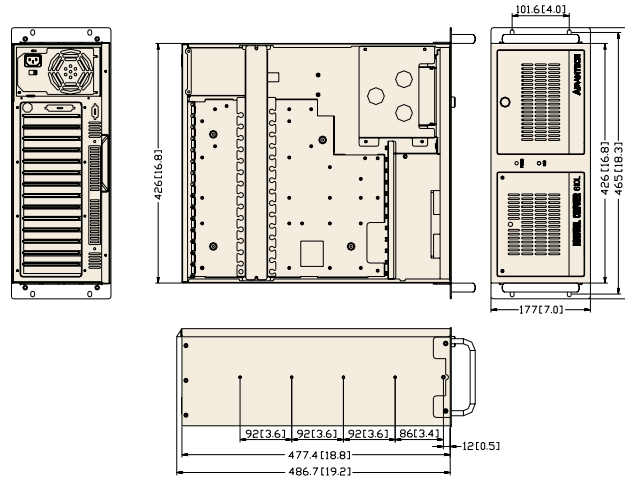
IPC-610-L is a 4U-high 14-slot rackmount IPC chassis designed as a core building block for mission-critical applications. This rugged, all-steel chassis meets the EIA RS-310C 19" rackmount standard. IPC-610-L comes with shockproof and front accessible drive bays, three 5.25" & one 3.5". The unit includes a versatile 14-slot passive-backplane and 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 requirements, IPC-610-L supports 12 full-length slots. The flexible mechanical design provides PS/2 size single or redundant power supply through a power bracket replacement. A wide range of standard computing peripherals can be integrated with the chassis to meet application development under mission-critical environments 24 hours a day, 7 days a week.

Specifications

		Front-accessible	Internal
Drive Bay	3.5"	3	
	5.25"	1	
Cooling	Fan	1 (84 CFM/each)	
	Air Filter	Yes	
Miscellaneous	Slide Rail	General Device C-300 series supported (not included)	
	Indicator	Power & HDD activity	
	Rear Panel	D-SUB 9-pin and 25-pin bracket	
Environment		Operating	Non-Operating
	Temperature	0 ~ 40 °C (32 ~ 104 °F)	-20 ~ 60 °C (-4 ~ 140 °F)
	Humidity	10 ~ 85 % @ 40 °C, non-condensing	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 52dB sound pressure at 5 ~ 28 °C (41 ~ 82 °F)	
Physical	Altitude	0 to 3048 m (0 ~ 10,000 ft)	
	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)	



Dimension Diagram



Unit: mm (inch)

- Industrial Motherboard 1
- Industrial VGA Card 2
- Industrial Motherboard Chassis 3
- Full-sized CPU Cards 4
- Industrial Computer Chassis 5
- Industrial Computer Peripherals 6

Power Supply Options

Part Number	Watt	Input	Output	Specifications		MTBF
				Mini-load	Safety	
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 (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25 °C full load
PS-300ATX-ZB (ATX, PFC)	300 W	AC 90 ~ 264 V (Full-range)	+5 V @ 30 A +3.3 V @ 28 A +12 V @ 15 A -12 V @ 0.8 A -5 V @ 0.8 A +5 Vsb @ 2 A	+5V @ 0.1A +3.3V @ 0.1A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25 °C full load

Passive Backplane Options

Part Number	Slot	Segment
PCA-6114-0B1	14 ISA	Single
PCA-6114P4-C	8 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P7-0D2	4 ISA, 6 PCI, 3 PICMG, 1 PCI/ISA	Single
PCA-6114P10-B	2 ISA, 10 PCI, 2 PICMG	Single
PCA-6113P4R-0C1	7 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P12-0B1	1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6113P7X	4 ISA, 7 PCI (64-bit), 2 PICMG	Single
PCA-6114P12X-A1	1 ISA, 11 PCI (64-bit), 1 PICMG/PCI, 1 PICMG	Single

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-610BP-00L	Without power supply, with ATX/AT switch both	--	None
IPC-610BP-25ZL	PS-250ATX-Z	--	UL, cUL, CE
IPC-610BP-30ZL	PS-300ATX-ZB	--	UL, cUL, CE
IPC-610P4-25ZL	PS-250ATX-Z	PCA-6114P4-C	UL, cUL, CE

IPC-610-H

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

NEW



Features

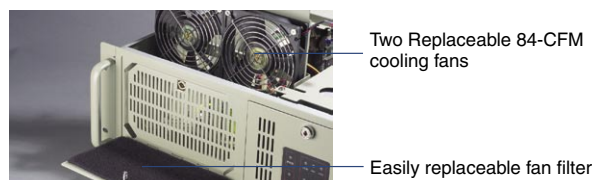
- 4U-high supports up to 14-slot ISA or ISA/PCI backplane rackmount chassis
- Equipped with 300 W ATX PFC PS/2 power supply
- Easy installation front accessible disk drive bays to hold three half-height drives, one 3.5" FDD and one internal 3.5" disk drive
- Front accessible USB & PS/2 keyboard I/O interface
- Front viewable system LED
- Designed to withstand environmental extremes, such as shock, vibration and high temperature
- Optional ATX motherboard version and 400 W PFC P/S

Introduction

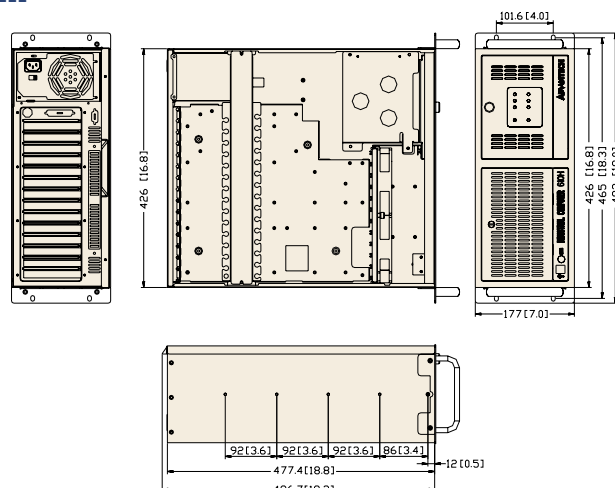
IPC-610-H is a 4U-high 14-slot rackmount industrial computer chassis designed for mission-critical applications. The unit includes a versatile 14-slot passive backplane; high-efficiency 300 W ATX with PFC (Power Factor Correction) power supply and dual easy maintenance cooling fans. A front viewable system status LED displays the power, HDD and system voltage activity. An advanced cooling system with dual high CFM fans provides sufficient flow to cool the systems key components. The front accessible USB and PS/2 keyboard I/O interface can be connected with a wide range of peripheral devices for data transfer, backup and input. Flexible mechanical design supports single PS/2 or redundant power supply through a power bracket replacement. All these outstanding features make IPC-610-H the best choice for price/performance and total cost ownership.

Specifications

		Front-accessible	Internal
Drive Bay	3.5"	3	
	5.25"	1	
Cooling	Fan	1 (84 CFM/each)	
	Air Filter	Yes	
Miscellaneous	Slide Rail	General Device C-300 series supported (not included)	
	Indicator	Power & HDD activity	
	Rear Panel	D-SUB 9-pin and 25-pin bracket	
Environment	Temperature	Operating 0 ~ 40 °C (32 ~ 104 °F)	Non-Operating -20 ~ 60 °C (-4 ~ 140 °F)
	Humidity	10 ~ 85 % @ 40 °C, non-condensing	10 ~ 95 % @ 40 °C, non-condensing
	Vibration (5-500 Hz)	10 G (With 11 msec duration, 1/2 sine wave)	2 G
	Shock	1 Grms	30 G
	Acoustic Noise	Less than 52dB 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)	



Dimension Diagram



Unit: mm (inch)

Industrial Motherboard 1

Industrial VGA Card 2

Industrial Motherboard Chassis 3

Full-sized CPU Cards 4

Industrial Computer Chassis 5

Industrial Computer Peripherals 6

Power Supply Options

Part Number	Watt	Input	Output	Specifications		
				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 (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25 °C full load
PS-300ATX-ZB (ATX, PFC)	300 W	AC 90 ~ 264 V (Full-range)	+5 V @ 30 A +3.3 V @ 28 A +12 V @ 15 A -12 V @ 0.8 A -5 V @ 0.8 A +5 Vsb @ 2 A	+5 V @ 0.1 A +3.3 V @ 0.1 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25 °C full 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/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CB/CCC	150,000 hours @ 25 °C full road

Passive Backplane Options

Part Number	Slot	Segment
PCA-6114-OB1	14 ISA	Single
PCA-6114P4-C	8 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P7-0D2	4 ISA, 6 PCI, 3 PICMG, 1 PCI/ISA	Single
PCA-6114P10-B	2 ISA, 10 PCI, 2 PICMG	Single
PCA-6113P4R-0C1	7 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P12-0B1	1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6113P7X	4 ISA, 7 PCI(64-bit), 2 PICMG	Single
PCA-6114P12X-A1	1 ISA, 11 PC I (64-bit), 1 PICMG/PCI, 1 PICMG	Single

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-610BP-00XH	Without power supply with ATX switch	--	None
IPC-610BP-25ZH	PS-250ATX-Z	--	UL, cUL, CE
IPC-610BP-30ZH	PS-300ATX-ZB	--	UL, cUL, CE
IPC-610BP-30RH	RPS-300ATX-Z	--	UL, cUL, CE



Rear panel of backplane version with redundant power supply

IPC-610-F

4U 14-slot Rackmount Chassis with ATX Motherboard Option



Features

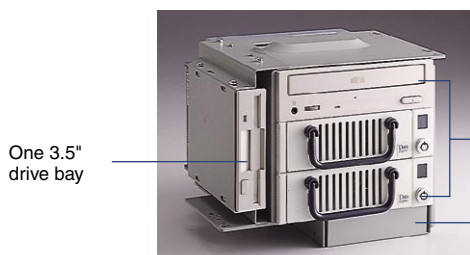
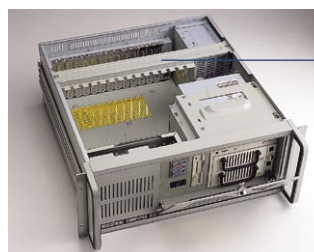
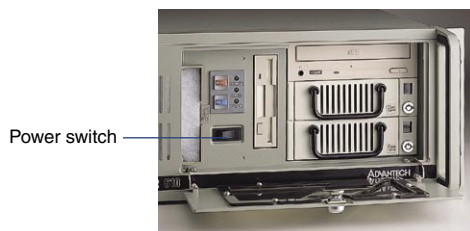
- 4U-high 14-slot rackmount chassis
- Versatile power supply options
- Hot-swap 86-CFM cooling fan with filter
- Optional ATX motherboard version

Introduction

IPC-610-F 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, IPC-610-F can withstand shock, vibration and dust found in harsh environments.

Specifications

		Front-accessible	Internal
Drive Bay	3.5"	1	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)	



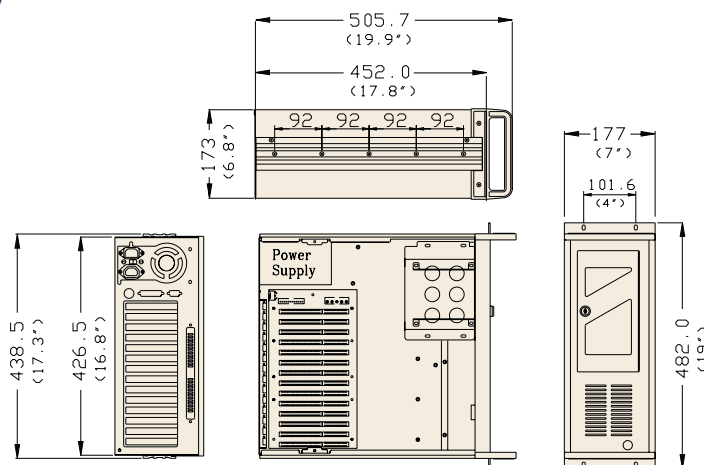
Three 5.25"
drive bays

One internal
3.5" drive bay



Easily replaceable
fan filter

Dimension Diagram



Unit: mm (inch)

Industrial
Motherboard 1Industrial
VGA Card 2Industrial
Motherboard
Chassis 3Full-sized
CPU Cards 4Industrial
Computer
Chassis 5Industrial
Computer
Peripherals 6

Passive Backplane Options

Part Number	Slot	Segment
PCA-6114-0B1	14 ISA	Single
PCA-6114P4-C	8 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P7-0D2	6/7/1	Single
PCA-6114P10-B	2 ISA, 10 PCI, 2 PICMG	Single
PCA-6113P4R-0C1	7 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P12-0B1	1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6113P7X	4 ISA, 7 PCI (64-bit), 2 PICMG	Single
PCA-6114P12X-A1	1 ISA, 11 PCI (64-bit), 1 PICMG/PCI, 1 PICMG	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-25ZF	PS-250ATX-Z	For ATX motherboard	UL, cUL, CE
IPC-610MB-30ZF	PS-300ATX-ZB	For ATX motherboard	UL, cUL, CE
IPC-610BP-25ZF	PS-250ATX-Z	--	UL, cUL, CE
IPC-610BP-260F	PS-260-610E	--	UL, cUL, CE
IPC-610BP-30ZF	PS-300ATX-ZB	--	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-610P4-25ZF	PS-250ATX-Z	PCA-6114P4-C	UL, cUL, CE
IPC-610P4-30ZF	PS-300ATX-ZB	PCA-6114P4-C	UL, cUL, CE
IPC-610P4-260F	PS-260-610E	PCA-6114P4-C	UL, cUL, CE

Black Color Chassis Options

IPC-610BP-00XFB	Without power supply	--	None
IPC-610BP-30ZFB	PS-300ATX-ZB	--	UL, cUL, CE
IPC-610MB-00XFB	Without power supply	(motherboard version)	None
IPC-610MB-30ZFB	PS-300ATX-ZB	(motherboard version)	UL, cUL, CE

Power Supply Options

Part Number	Watt	Input	Output	Mini-load	Safety	MTBF
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 @ 2 A	+5 V @ 4 A +12 V @ 1 A	UL/CE/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-250ATX-Z (ATX, PFC)	250 W	AC 95 ~ 132 V AC 190 ~ 264 V (Selectable)	+5V @ 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/EN61000-3-2 Class D/TUV/FCC/CSA/Nemko CB/CBC	100,000 hours @ 25 °C full load
PS-300ATX-ZB (ATX, PFC)	300 W	AC 90 ~ 264 V (Full-range)	+5 V @ 30 A +3.3 V @ 28 A +12 V @ 15 A -12 V @ 0.8 A -5 V @ 0.8 A +5 Vsb @ 2 A	+5 V @ 0.1 A +3.3 V @ 0.1 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CBC	100,000 hours @ 25 °C full 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 (60950 3rd) CE (EN61000-3-2 Class D) FCC/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)

ACP-5260

5U 20-slot Rackmount Chassis with 6 Hot-swap SCSI SCA Drive Bays and Redundant Power Supply



Features

- Supports 20-slot BP and MB versions. The M/B version supports latest high-performance Pentium® 4 server board up to 2/4-way
- Best-in-class reliability and uptime with fully hot-swappable components, including HDD SCSI storage and front accessible redundant power supply to minimize system down time
- User friendly front-visible system alarm notification LED including system operation, system power and SCSI storage status
- Large-scale data storage enclosure, which meets the SAF-TE specification
- High-density expansion slots
- Advanced streamlined cooling design

Introduction

ACP-5260 is a rackmount 5U industrial computer chassis with redundant power supply. It is a high performance, cost-effective, flexible, and extendible computing platform for voice processing applications, designed to meet the high reliability and regulatory compliance required of computer telephony. The integrated SCSI storage subsystem meets SAF-TE (SCSI Accessed Fault-tolerant Enclosure) specification as a high-end, fault resilient, mission critical data server. With industry standard components, built-in alarm capabilities for fault detection and alarm notification, a choice of front-accessible redundant AC power supplies with dual AC input, you can choose this platform server to best fit your performance needs for application development in mission-critical environments. This powerful application platform server provides the flexibility and expansion features you can rely on today and grow with tomorrow.

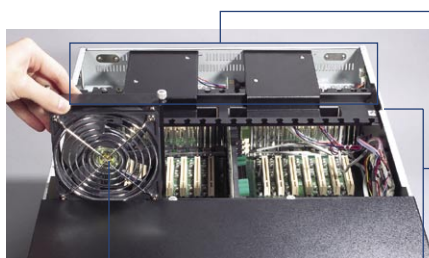
Specifications

		Front-accessible	Internal
Drive Bay	3.5"	6 (hot-swap), 1	1
	5.25"	1	
	Slim CD-ROM	1	
RAID	Level	By RAID card	
	Auto Rebuilding	Yes	
Cooling	Fan	2 (46 CFM/each) for SCSI storage, 3 (114 CFM/each) on middle	
	Blower	2 (25.4 CFM/each) on rear	
	Air Filter	Yes	
Miscellaneous	Rear Panel	D-SUB 9-pin bracket x2	
Environment	Temperature	Operating 0 ~ 40 °C (32 ~ 104 °F)	Non-Operating -40 ~ 60 °C (-40 ~ 140 °F)
	Humidity	10 ~ 95 % @ 40 °C, non-condensing	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 222 x 660 mm (19" x 8.75" x 26")	
	Weight	30 kg (66 lb)	

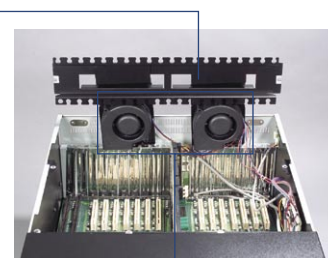


3.5" low-profile SCSI
hot-swap HDD drawer

Hot-swap and redundant
power supply



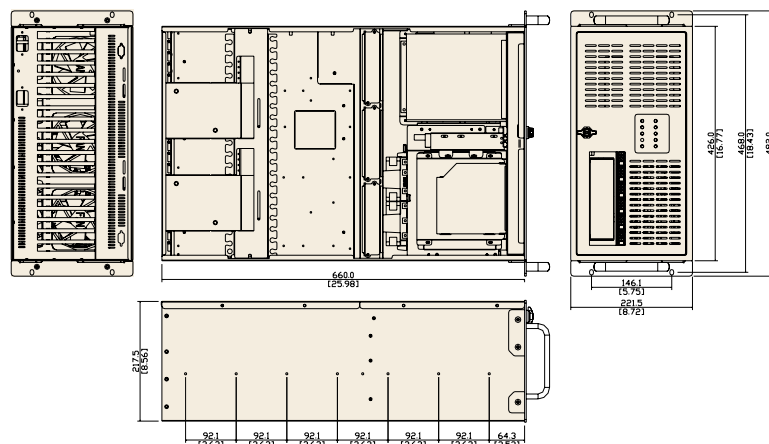
Easy fan
maintenance design



Double section top cover
for easy maintenance

Two adjustable
enhanced blowers

Dimension Diagram



Unit: mm (inch)

Industrial
Motherboard 1Industrial
VGA Card 2Industrial
Motherboard
Chassis 3Full-sized
CPU Cards 4Industrial
Computer
Chassis 5Industrial
Computer
Peripherals 6

Power Supply Options

Part Number	Watt	Input	Output	Specifications	Safety	MTBF
1757946005 (ATX, PFC)	460 W	AC100-240V _{AC} (Full-range)	+5 V @ 40 A, +3.3 V @ 30 A +12 V @ 27 A, -12 V @ 1 A -5 V @ 0.8 A, +5 Vsb @ 2 A	Mini-load +5 V @ 5 A +3.3 V @ 1 A +12 V @ 2.5 A +5 Vsb @ 0.1 A	UL/CSA/TUV/CCC	148,000 hours @ 25 °C (Full load)
1757946006 (ATX, PFC)	460 W	AC100-240V _{AC} (Full-range)	+5 V @ 40 A, +3.3 V @ 30 A +12 V @ 27 A, -12 V @ 1 A -5 V @ 0.8 A, +5 Vsb @ 2 A	Mini-load +5 V @ 5 A +3.3 V @ 1 A +12 V @ 2.5 A +5 Vsb @ 0.1 A	UL/CSA/TUV/CCC	148,000 hours @ 25 °C (Full load)

Storage Device Options

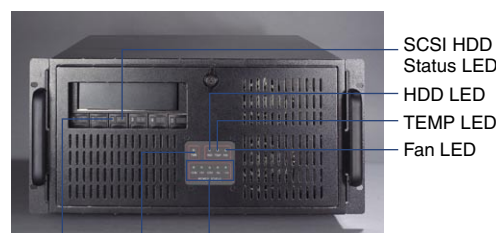
Part Number	Descriptions
SCD-ROM	Slim-type CD-ROM kit with 40-pin IDE connector
9684000014	Standard 3.5" FDD with black bezel
1759252100	Low profile P4 socket 478 CPU cooler up to 2.5 GHz

Passive Backplane Options

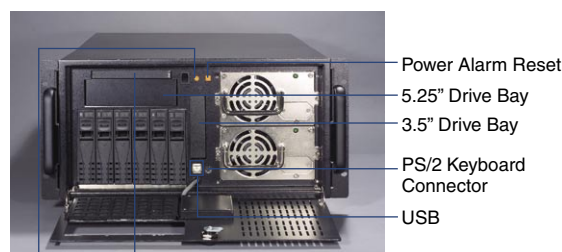
Part Number	Slot	Segment
PCA-6120-0B1	20 ISA	Single
PCA-6120P4-0B1	14 ISA, 4 PCI, 2 PICMG	Single
PCA-6119P7-0B1	10 ISA, 7 PCI, 2 PICMG/PC	Single
PCA-6119P17-0B1	16 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6120P18-0A1	1 ISA, 17 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6119P16X	1 ISA, 16 PCI, 2PICMG	Single
PCA-6120P12-0A1	7 ISA, 11 PCI, 1 PICMG, 1 PICMG/PIC	Single

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
ACP-5260BP-46R	1757946005	—	UL, cUL, CE
ACP-5260MB-46R	1757946006	(motherboard version)	None



SCSI HDD Power LED Power LED Power status



CPU Alarm Reset Slim CD-ROM Drive Bay

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

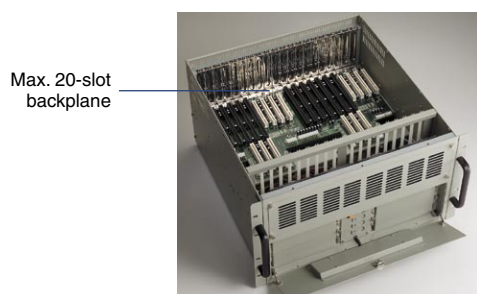


Introduction

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 IPC-622. This unit supports up to four front accessible, and half-height storage devices. IPC-622 can support up to four PC systems in a single chassis suitable for space-critical applications. Moreover, IPC-622 features an advanced fault detection and alarm notification feature. 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 IPC-622's front panel LED.

Specifications

		Front-accessible	Internal
Drive Bay	3.5"		2
	5.25"	4	
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)	



Max. 20-slot
backplane



Four 49-CFM
cooling fans
Manually
replaceable fan
filter

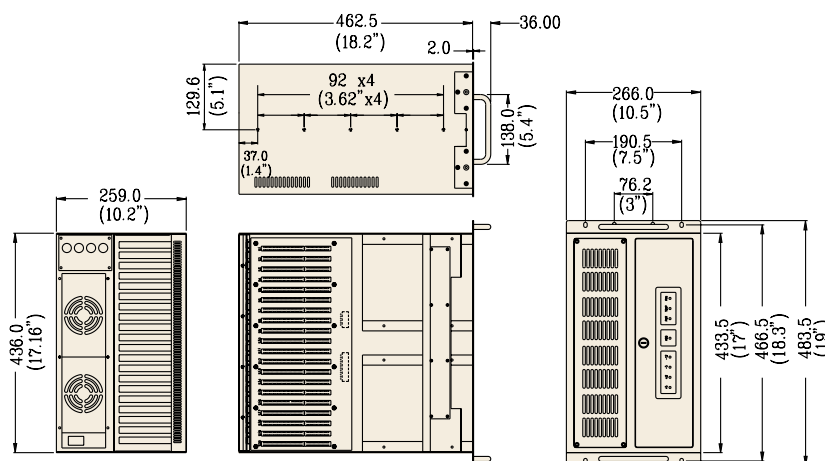


Power LED
Power status
HDD LED
FAN LED
TEMP LED



Rear side hole
for heat-releasing
Hot-swap
redundant
power supply

Dimension Diagram



Unit: mm (inch)

Industrial
Motherboard **1**Industrial
VGA Card **2**Industrial
Motherboard
Chassis **3**Full-sized
CPU Cards **4**Industrial
Computer
Chassis **5**Industrial
Computer
Peripherals **6**

Power Supply Options

Part Number	Watt	Input	Specifications			MTBF
			Output	Mini-load	Safety	
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/TÜV/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/TÜV/CE	100,000 hours @ 25 °C (75% load)
1757240013 (single P/S)	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/CCC	100,000 hours @ 25 °C (75% load)

Passive Backplane Options

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

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

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-6120-0B1	CE
IPC-622P4-300R	RPS-300	PCA-6120P4-0B1	CE
Black Color Chassis Options			
IPC-622BP-00RB	Without power supply	--	None
IPC-622BP-300RB	RPS-300	--	CE
IPC-622BP-40RZB	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

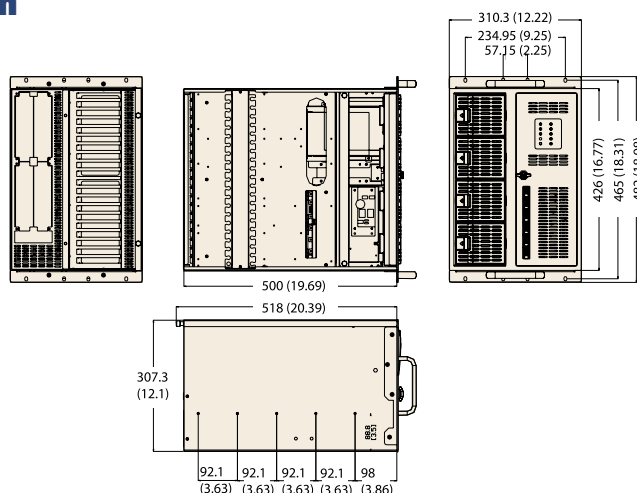
ACP-7000 is a high performance, high-capacity computing platform which meets a variety of needs including web-enabled call center, email and Web server. This powerful departmental server includes a full disk array of high availability features for minimizing system downtime, especially in mission-critical CT applications and factory management. A wide range of standard computing peripherals can be integrated with the chassis to meet different applications under mission-critical environments 24 hours a day, 7 days a week. The product features rack space optimization, flexibility, expandability and extraordinary performance.

Specifications

Drive Bay	Slim CD-ROM	Front-accessible	
	5.25"	1	
	3.5"	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 -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 307 x 500 mm (19" x 12.1" x 19.7")	
	Weight	35 Kg (77 lb)	



Dimension Diagram



Unit: mm (inch)

Industrial Motherboard 1

Industrial VGA Card 2

Industrial Motherboard Chassis 3

Full-sized CPU Cards 4

Industrial Computer Chassis 5

Industrial Computer Peripherals 6

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
1757946010 1757946007	460 W ATX PFC	AC 90 ~ 264 V (Full-range)	+5 V @ 42 A +3.3 V @ 20 A +12 V @ 14 A -5 V @ 1 A -12 V @ 1 A +5 Vsb @ 0.75 A	+5 V @ 2 A +3.3 V @ 0.2 A +12 V @ 0.5 A	UL/cUL/TÜV/CE/ICCC	148,000 hours @ 25 °C
1757957001	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/TÜV/ICCC	180,000 hours @ 25 °C
1757981001	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/TÜV/ICCC	259,000 hours @ 25 °C

Passive Backplane Options

Part Number	Slot	Segment
PCA-6120-0B1	20 ISA	Single
PCA-6120P4-0B1	14 ISA, 4 PCI, 2 PICMG	Single
PCA-6119P7-0B1	10 ISA, 7 PCI, 2 PICMG/PCI	Single
PCA-6120P12-0A1	7 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6119P17-0B1	16 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6119P16X	1 ISA, 16 PCI, 2 PICMG	Single
PCA-6120P18-0A1	1 ISA, 17 PCI, 1 PICMG, 1 PICMG/PCI	Single

Supports six SCSI
SCA hot-swap
HDDs up to 72 GB
Alarm reset
switch
USB



PS/2 keyboard
connector

System reset
switch
Slim CD-ROM
Two 5.25" drive
bays
One 3.5" drive
bays

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
ACP-7000BP-46R	1757946010 (1+1 redundant)	--	UL, cUL, CE
ACP-7000BP-57N	1757957001 (2+1 redundant)	--	UL, cUL, CE
ACP-7000BP-81N	1757981001 (3+1 redundant)	--	UL, cUL, CE
ACP-7000MB-46R	1757946007 (1+1 redundant)	(motherboard version)	None



Hot-swap redundant
power supplies

IPC-6908

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



Features

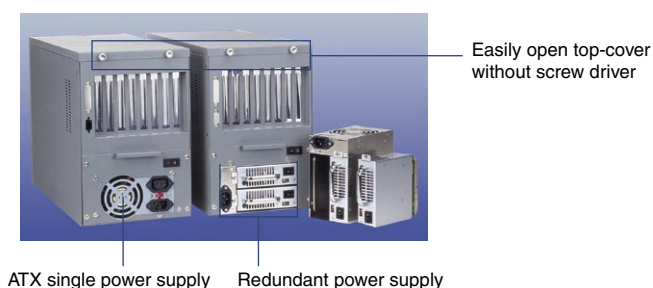
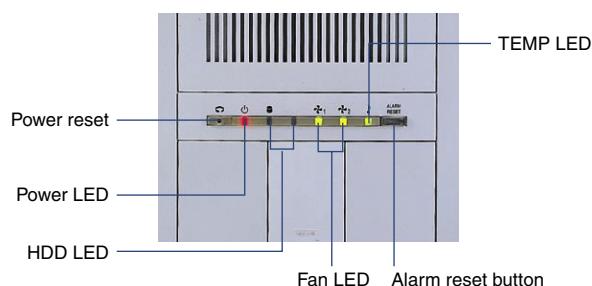
- 8-slot desktop chassis
- Versatile power supply options
- Fault detection/alarm notification
- Hot-swap dual cooling fans

Introduction

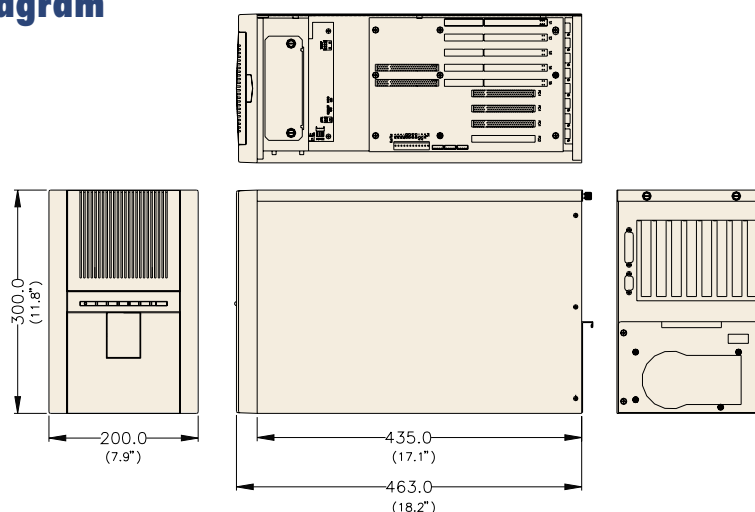
IPC-6908 is a high-end desktop/wallmount fault-resilient industrial computer chassis for mission-critical applications and harsh industrial computing environments. IPC-6908 accepts up to 8 full-length cards and a 260-watt power supply. The front-accessible disk drive bay can hold two half-height and one 3.5" hard disk drives, and another 3.5" HDD can be mounted inside the case.

Specifications

		Front-accessible	Internal
Drive Bay	3.5"	1	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)

Industrial
Motherboard **1**Industrial
VGA Card **2**Industrial
Motherboard
Chassis **3**Full-sized
CPU Cards **4**Industrial
Computer
Chassis **5**Industrial
Computer
Peripherals **6**

Power Supply Options

Part Number	Watt	Input	Output	Specifications 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/TÜV	140,000 hours @ 50 °C full load
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/cUL/CE/FCC/CSA	250,000 hours @ 30 °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-250ATX-Z (ATX, PFC)	250 W	AC 95 ~ 132 V AC 190 ~ 264 V (Selectable)	+5V @ 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 (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25° C full load
PS-400ATX-Z (ATX, PFC)	400 W	AC 90 ~ 264 V (Full-range)	+5V @ 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 @ 2 A +12 V @ 0.5 A +3.3 V @ 0.2 A	UL/cUL/CE/TUV/CCC	100,000 hours @ 25 °C (75 %load)
PS-300ATX-ZB (ATX PFC)	300 W	AC90-264 V (Full-range)	+5 V @ 30 A, +3.3 V @ 28 A +12 V @ 15 A, -12 V @ 0.8 A -5 V @ 0.3 A, +5 Vsb @ 2 A	+5V@0.1 A +3.3V@0.3 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25 °C

Passive Backplane Options

Part Number	Slot	Segment
PCA-6108P4-C	3 ISA, 3 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6108P6-0B3	1 ISA, 5 PCI, 1 PICMG/PCI, 1 PICM	Single
PCA-6108E-0C1	8 ISA	Single
PCA-6108P6X-0A1	6 PCI, 2 PICMG	Single
PCA-6108P8-0A1	8 PCI	Single

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-25ZB	PS-250ATX-Z	--	UL, cUL, CE
IPC-6908BP-30ZB	PS-300ATX-ZB	--	UL, cUL, CE
IPC-6908BP-40ZB	PS-400ATX-Z	--	UL, cUL, CE

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

IPC-6608

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



Features

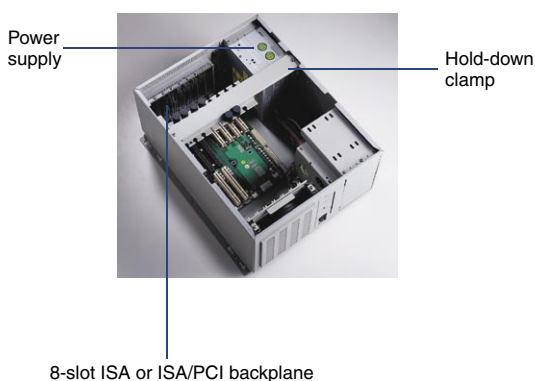
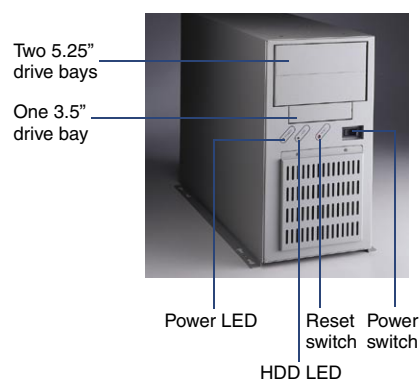
- Equipped with an 8-slot ISA or ISA/PCI backplane to hold eight full-length cards
- Two front accessed 5.25" half-height disk drives and one 3.5" FDD
- High pressure cooling fan supports abundant cooling and streamlined ventilation
- Vibration protected driver mounting for industrial applications

Introduction

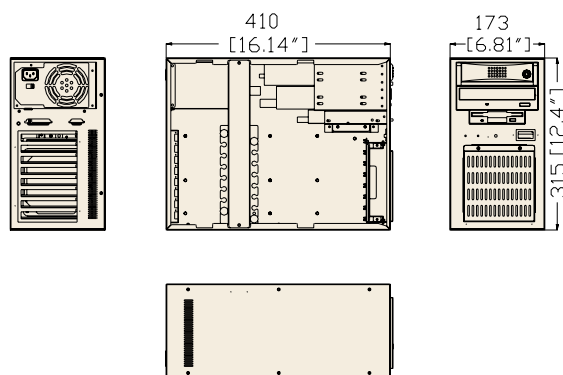
Specifically designed for factory floors and other harsh industrial environments, IPC-6608 Wall-mount industrial computer chassis is ideal for system integrators or users who require a compact, rugged PC/AT compatible system. IPC-6608 features an 8-slot passive backplane and a wide selection of power 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	Front panel power switch and reset switch
	Indicator	LEDs for power On/Off and HDD activity
Environment	Temperature	0 ~ 40 °C (32 ~ 104 °F), operating
	Humidity	10 ~ 95 % @ 40 °C, non-condensing
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)

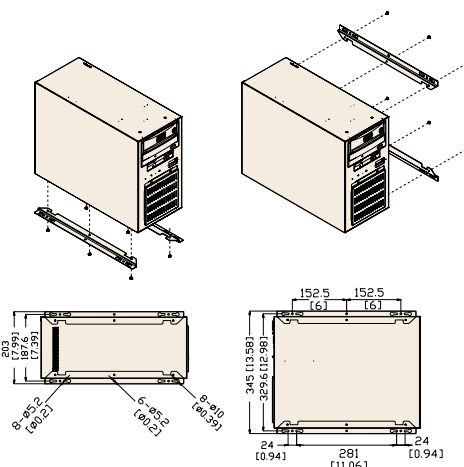


Dimension Diagram



Unit: mm (inch)

Installation



Unit: mm (inch)

Industrial
Motherboard 1Industrial
VGA Card 2Industrial
Motherboard
Chassis 3Full-sized
CPU Cards 4Industrial
Computer
Chassis 5Industrial
Computer
Peripherals 6

Power Supply Options

Part Number	Watt	Input	Output	Specifications		
				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 (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	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/cUL/CSA/CE/FCC/TUV	140,000 hours @ 50 °C full 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/cUL/CE/FCC/CSA/TUV	250,000 hours @ 30 °C full load
PS-300ATX-ZB (ATX, PFC)	300 W	AC90-264 V (Full-range)	+5 V @ 30 A +3.3 V @ 28 A +12 V @ 15 A -12 V @ 0.8 A -5 V @ 0.3 A +5 Vsb @ 2 A	+5 V @ 0.1 A +3.3 V @ 0.3 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25 °C

Passive Backplane Options

Part Number	Slot	Segment
PCA-6108E-0C1	8 ISA	Single
PCA-6108P4-C	3 ISA, 3 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6108P6-0B3	1 ISA, 5 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6108P6X-0A1	6 PCI, 2PICMG	Single
PCA-6108P8-0A1	8 PCI	Single

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-6608BP-00	Without power supply, with AT/ATX switch both	--	None
IPC-6608BP-25Z	PS-250ATX-Z	--	UL, cUL, CE
IPC-6608BP-26P	PS-260-610E	--	UL, cUL
IPC-6608BP-30Z	PS-300ATX-ZB	--	UL, cUL, CE
IPC-6608BP-25R	RPS-250-SDTB	--	None

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 open frame power supply

Introduction

Specially designed for factory floor and other harsh industrial environments, IPC-6806 wallmount IPC chassis is ideal for system integrators or users who require a compact, rugged PC/AT compatible system. IPC-6806 features a 6-slot passive backplane and a power supply. The chassis is less than 8" wide and can be easily mounted on panels or walls with the supplied brackets.

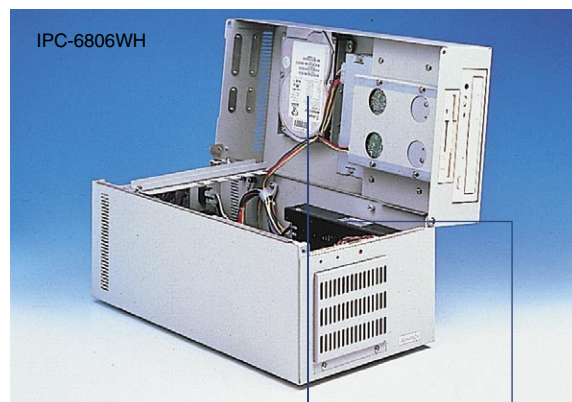
Common Specifications for IPC-6806 Series

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



One 49-CFM cooling fan with air filter

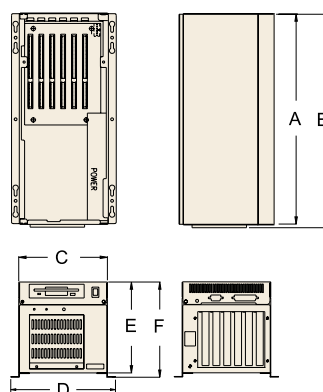
3.5" FDD



One internal 3.5" drive bay

Easy access to internal components

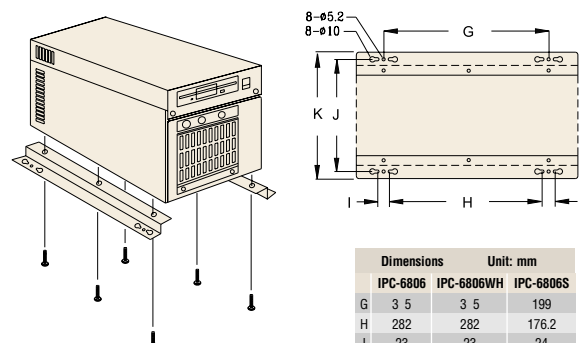
Dimension Diagram



	Dimensions Unit: mm		
	IPC-6806	IPC-6806WH	IPC-6806S
A	393	393.4	282
B	398	398.8	287
C	166	198	196
D	196	228	226
E	17	213	17
F	178	221	178

Unit: mm (inch)

Installation



	Dimensions Unit: mm		
	IPC-6806	IPC-6806WH	IPC-6806S
G	3.5	3.5	199
H	282	282	176.2
I	23	23	24
J	18.6	212.6	21.5
K	196	228	226

Unit: mm (inch)

Selection Guide

Part Number	IPC-6806SBP-15Z	IPC-6806BP-20ZB	IPC-6806WHB-20Z
Disk Drive Bay	3.5" FDD x 1, 3.5" HDD x 1	3.5" FDD x 1, 3.5" HDD x 1	5.25" CD-ROM x 1, 3.5" FDD x 1, 3.5" HDD x 1
Power Supply	150 W PFC	200 W PFC	200 W PFC
Backplane	PCA-6106-B, PCA-6105P5-0B1 (for half-sized card only)	PCA-6106-B, PCA-6106P3-0C1, PCA-6105P5-0B1	PCA-6106-B, PCA-6106P3-0C1, PCA-6105P5-A2, PCA-6105P5-0B1
Dimensions (W x H x D)	196 x 170 x 282 mm (7.7" x 6.7" x 11.1")	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")
Weight	4.5 Kg (9.9 lb)	5.6 Kg (12.3 lb)	6 Kg (13.2 lb)

Power Supply Options

Part Number	Watt	Input	Specifications		Safety	MTBF
			Output	Mini-load		
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/TUV/CB/CCC	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/TUV/CB/CCC	50,000 hours

Passive Backplane Options

Part Number	Slot	Segment
PCA-6106-B	6 ISA	Single
PCA-6106P3-0C1	2 ISA, 2 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6106P4-0A1	4 PCI, 2 PICMG	Single
PCA-6105P5-0B1	5 PCI	Single

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-6806SBP-15Z	OP-15PZ	--	UL, cUL, CE
IPC-6806S-15Z	OP-15PZ	PCA-6106-B	UL, cUL, CE

IPC-6606

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



Features

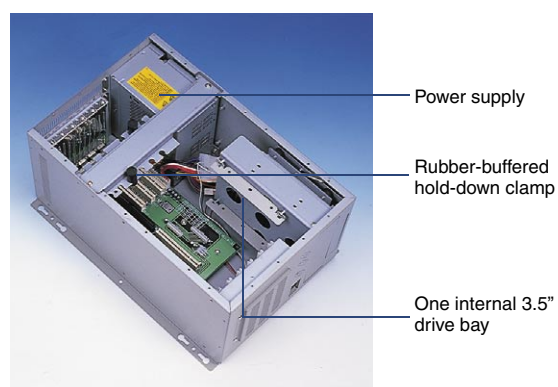
- Cost-effective wallmount/desktop IPC chassis
- Equipped with a 6-slot ISA/PCI backplane to hold six full-length cards
- One front access half-height disk drive and one 3.5" FDD, plus one internal 3.5" HDD
- One 49-CFM cooling fan with air filter
- With 300/250 W ATX power supply options

Introduction

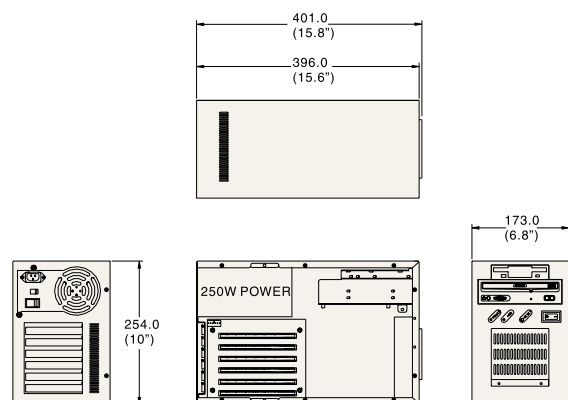
Specially designed for factory floor and other harsh industrial environments, IPC-6606 wallmount IPC chassis is ideal for system integrators or users who require a compact, rugged PC/AT compatible system. IPC-6606 features a 6-slot passive backplane and a 200 watt power supply. The chassis is only 6.8" wide and can easily be mounted bi-directionally on panels or walls with the supplied brackets.

Specifications

		Front-accessible	Internal
Drive Bay	3.5"	1	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)	

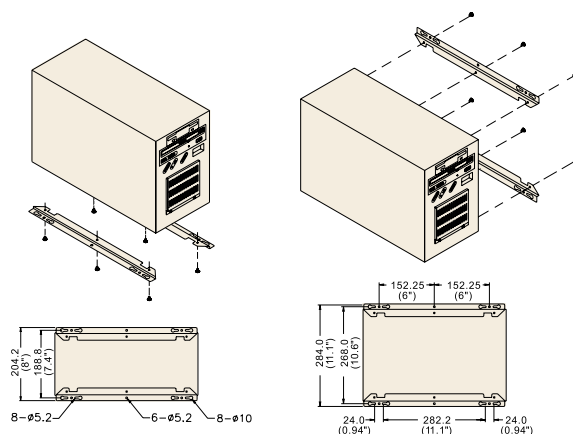


Dimension Diagram



Unit: mm (inch)

Installation



Bi-directional mounting

Unit: mm (inch)

Power Supply Options

Part Number	Watt	Input	Output	Specifications		
				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 (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25 °C full load
PS-300ATX-ZB (ATX PFC)	300 W	AC90-264 V (Full-range)	+5 V @ 30 A +3.3 V @ 28 A +12 V @ 15 A -12 V @ 0.8 A -5 V @ 0.3 A +5 Vsb @ 2 A	+5 V @ 0.1 A +3.3 V @ 0.3 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25 °C

Passive Backplane Options

Part Number	Slot	Segment
PCA-6106-B	6 ISA	Single
PCA-6106P3-0C1	2 ISA, 2 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6106P4-0A1	4 PCI, 2 PICMG	Single
PCA-6105P5-0B1	5 PCI	Single

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-25Z	PS-250ATX-Z (System with AT switch)	--	UL, cUL, CE
IPC-6606-25Z	PS-250ATX-Z (System with AT switch)	PCA-6106-B	UL, cUL, CE
IPC-6606P3-25Z	PS-250ATX-Z (System with AT switch)	PCA-6106P3-0C1	UL, cUL, CE
IPC-6606-30Z	PS-300ATX-ZB	PCA-6106-B	UL, cUL, CE
IPC-6606BP-30Z	PS-300ATX-ZB	--	UL, cUL, CE
IPC-6606P3-30Z	PS-300ATX-ZB	PCA-6106P3-0C1	UL, cUL, CE

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
- 60 W AC power supply options

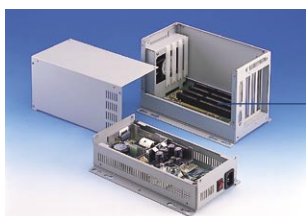


Introduction

IPC-644 is an ultra-compact 4-slot mini node chassis, an ideal embedded application workhorse. 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. 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 switches for reset and power. 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 60 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	
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

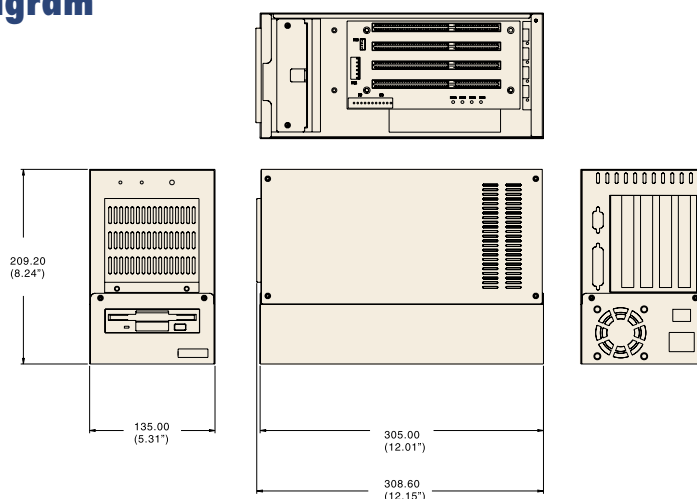


One 14-CFM cooling fan
One 3.5" drive bay



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

Dimension Diagram



Unit: mm (inch)

Industrial
Motherboard **1**Industrial
VGA Card **2**Industrial
Motherboard
Chassis **3**Full-sized
CPU Cards **4**Industrial
Computer
Chassis **5**Industrial
Computer
Peripherals **6**

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
OP-60P	60 W	AC 90 ~ 264 V	+5 V @ 5 A +12 V @ 2 A -12 V @ 0.5 A	--	CE/CB/CSA/TÜV	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	--	--

Passive Backplane Options

Part Number	Slot	Segment
PCA-6104-1C1	4 PCI	Single
PCA-6104P4-0B1	4 PCI	Single

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-644BP-60	OP-60P	--	UL, cUL, CE
IPC-644BP-D24	OP-60P-D24	--	CE
IPC-644BP-D48	OP-60P-D48	--	CE
IPC-644-60	OP-60P	PCA-6104	UL, cUL, CE
IPC-644P4-60	OP-60P	PCA-6104P4-0B1	UL, cUL, CE

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
- 60 W AC power supply options

Introduction

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. 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, MBPC-641 reserves one RS-232 port and one parallel port. Also included is a 60-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)

Power Supply Options

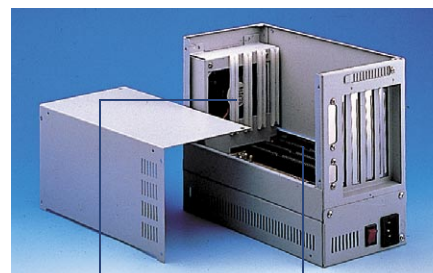
Part Number	Watt	Input	Output	Specifications		
				Mini-load	Safety	MTBF
OP-60P	60 W	AC 90 V ~ 264 V	+5 V @ 5 A, +12 V @ 2.3 A -12 V @ 0.5 A	+5 V @ 0 A, +12 V @ 0 A -12 V @ 0 A	UL/CSA/TÜV	100,000 hours @ 25 °C full load
OP-60P-D24	60 W	DC 18 V ~ 32 V	+5 V @ 6 A, +12 V @ 2.5 A -12 V @ 0.3 A	+5 V @ 0 A,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

Passive Backplane Options

Part Number	Slot	Segment
969K610430	4 PCI	Single
969K610450	4 PCI	Single

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
MBPC-641BP-60	OP-60P	--	UL, cUL, CE
MBPC-641BP-D24	OP-60P-D24	--	CE
MBPC-641BP-D48	OP-60P-D48	--	CE
MBPC-641-60	OP-60P	969K610430	UL, cUL, CE
MBPC-641P4-60	OP-60P	969K610450	UL, cUL, CE

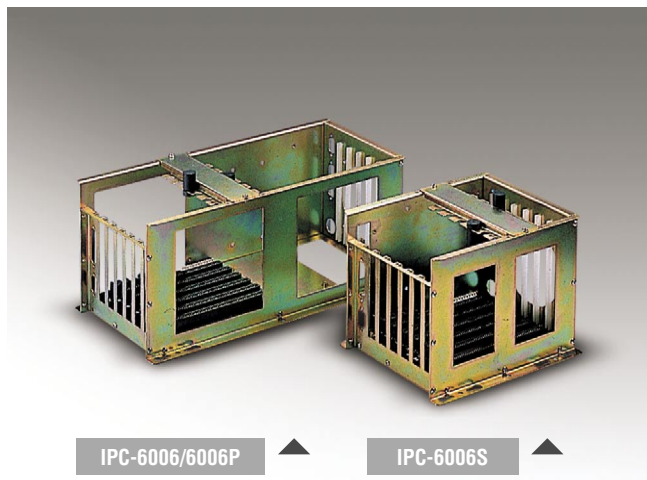


One 49-CFM cooling fan with air filter

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

IPC-6006

6-slot Card Cage



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 PS/2 power supply (optional), one HDD (optional) and one cooling fan

Introduction

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. 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)

Passive Backplane Options

Part Number	Slot	Segment
PCA-6106-B	6 ISA	Single
PCA-6106P3-0C1	2 ISA, 2 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6106P4-0A1	4 PCI, 2 PICMG	Single
PCA-6105P5-0B1	5 PCI	Single

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

Industrial
Motherboard
1

Industrial
VGA Card
2

Industrial
Motherboard
Chassis
3

Full-sized
CPU Cards
4

Industrial
Computer
Chassis
5

Industrial
Computer
Peripherals
6