

Шасси серии APC и IPC

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ACP-4010/4320

4U Rackmount Chassis with Dual System Support or Dual SAS/SATA HDD Trays



Features

- Supports either an ATX motherboard or a PICMG backplane with up to 15 slots
- ACP-4010 supports one or two systems in a single chassis
- ACP-4010 supports two 5.25" and two 3.5" disk drives
- ACP-4320 supports dual SAS/SATA HDD trays for data monitoring applications
- LED indicators and alarm notification for system fault detection and network connection
- Lockable front door prevents unauthorized access

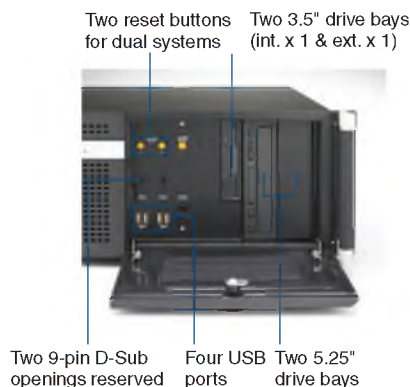


Specifications

Drive Bay		Front-accessible	Internal
		2/2	1/-
Cooling	5.25"	1/2 SAS/SATA HDDs +1	
	3.5"		
Cooling	Fan	2 (12 cm /85 CFM each) / 1 (12 cm /114 CFM) + 1 (6 cm /28 CFM)	
	Air Filter	Yes	
Front I/O Interface	USB	4 / 2	
	9-pin D-Sub	2 (Reserved) / -	
Miscellaneous	LED Indicators	Power, HDD, temperature, fan, LAN1, and LAN2	
	Rear Panel	Backplane version: One 9-pin D-Sub opening Motherboard version: Five 9-pin D-Sub and one 68-pin SCSI openings	
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 ms duration, half sine wave)	30 G
Physical Characteristics	Dimensions (W x H x D)	482 x 177 x 480 mm (19" x 7.0" x 18.9")	
	Weight	16.6 kg (36.5 lb) / 17.6 kg (38.7 lb)	

*Installation of all 15 full-size cards will sacrifice the two 3.5" disk drive bays.

Front Drive Bay of ACP-4010



Easy-to-maintain dual fans



Inside view of ACP-4010

Front Drive Bay of ACP-4320

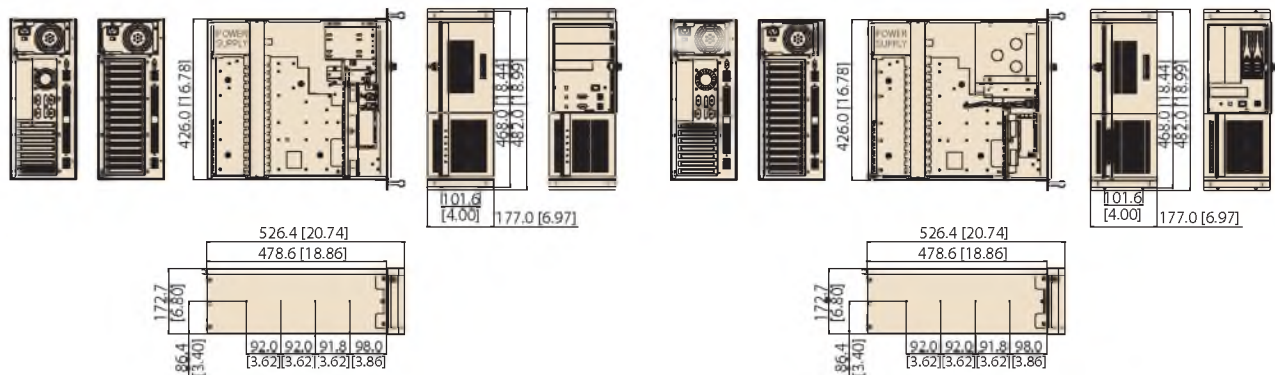


Dimensions

Unit: mm (inch)

ACP-4010

ACP-4320



Power Supply Options

Part Number	Specifications					
	Watts	Input	Output	Mini-load	Safety	MTBF
PS-300ATX-ZBE (ATX, PFC)	300 W	AC 100 ~ 240 V (full range)	+5 V @ 30 A, +3.3 V @ 28 A, +12 V @ 15 A, -5 V @ 0.3 A, -12 V @ 0.8 A, +5 Vsb @ 2 A	+5 V @ 0.5 A, +12 V @ 0.5 A	UL/cUL/TUV/CB/CCC	100,000 hrs @ 25° C
PS-400ATX-ZBE (ATX, PFC)	400 W	AC 100 ~ 240 V (full range)	+5 V @ 35 A, +3.3 V @ 28 A, +12 V @ 30 A, -5 V @ 0.5 A, -12 V @ 0.8 A, +5 Vsb @ 2 A	+5 V @ 3 A, +12 V @ 1 A, +5 Vsb @ 0.1 A	UL/cUL/TUV/CB/CCC	91,000 hrs @ 25° C
RPS-300ATX-ZE (ATX, PFC)	300 W	AC 100 ~ 240 V (full range)	+5 V @ 25 A, +3.3 V @ 18 A, +12 V @ 16 A, -5 V @ 0.5 A, -12 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/TUV/CB/CCC	100,000 hrs @ 25° C
RPS-400ATX-ZE (ATX, PFC)	400 W	AC 100 ~ 240 V (full range)	+5 V @ 35 A, +3.3 V @ 25 A, +12 V @ 28 A, -5 V @ 0.5 A, -12 V @ 1.2 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/TUV/CB/CCC	100,000 hrs @ 25° C

Accessories

Part Number	Description
96DVR-40X-I-AS-B	Black 5.25" 16X/40X/24X DVDRW-ROM
96FDD-144-TE-B	Black 3.5" FDD
1990001299	Fan filter 95 x 130 mm
1990001298	Door filter 150 x 68 mm
96624K0000E	Fan 120 x 120 x 25 mm for ACP-4010
17570000386	Fan 120 x 120 x 25 mm for ACP-4320
9662132000E	Black 3.5" mobile HDD tray

Ordering Information

Model Name	Power Supply	Motherboard/Backplane	Regulation
Backplane Version			
ACP-4010BP-00XE	Without power supply, with ATX switch	-	-
ACP-4010BP-30ZE	PS-300ATX-ZBE	-	CE
ACP-4320BP-00XE	Without power supply, with ATX switch	-	-
ACP-4320BP-30ZE	PS-300ATX-ZBE	-	CE
Motherboard Version			
ACP-4010MB-00XE	Without power supply, with ATX switch	-	-
ACP-4010MB-30ZE	PS-300ATX-ZBE	-	CE
ACP-4320MB-00XE	Without power supply, with ATX switch	-	-
ACP-4320MB-30ZE	PS-300ATX-ZBE	-	CE

ACP-4320



Easy-to-maintain system fan & reusable filter

IPC-100-60SE

**1U Compact Fanless System with
Intel® Atom™ N450 on Board**



Features

- Elegant, ultra-compact fanless system
- Built-in Intel® Atom™ processor N450 1.66 GHz
- Comprehensive I/O: dual gigabit Ethernet, 8 USB, 3 COM, 1 VGA
- 1 PCI and 1 mini-PCIe expansion slots
- Open frame AC to +12 V_{DC} 60 W power supply
- Anti-vibration design for 2.5" HDD-bay to ensure maximum reliability



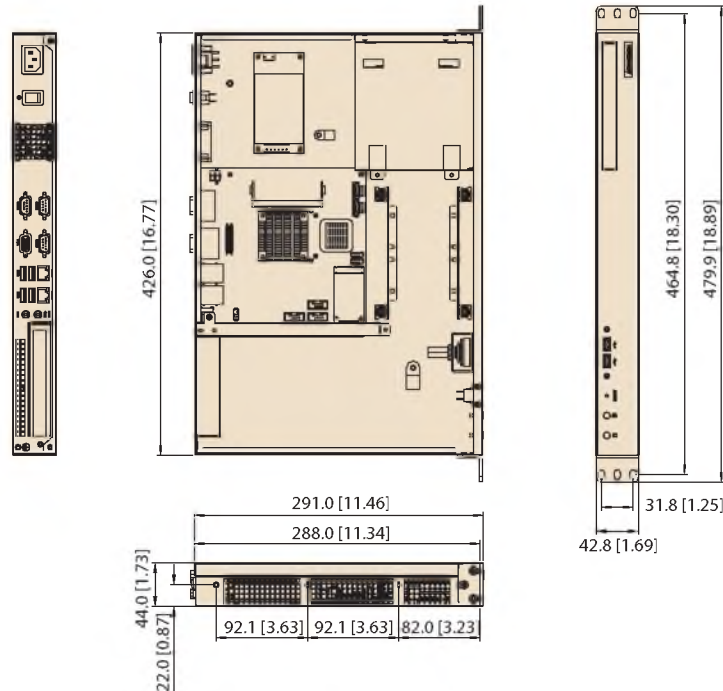
Specifications

Processor System	CPU	Intel Atom Processor N450 1.66 GHz	
	L2 Cache	512 KB	
	Chipset	ICH8M	
	BIOS	AMI 16 MB SPI	
Memory	Technology	Single Channel DDR2 667MHz	
	Max. Capacity	200-pin SODIMM x1 up to 2 GB	
Expansion Slot	PCI	1 (32-bit/33 MHz) via PCI riser card (P/N: 989KC1000E)	
	Mini-PCIe	1	
Graphics	Chipset	Embedded Gen3.5+ GFX Core	
	Display Memory	Shared system memory up to 224 MB SDRAM	
	VGA	Supports up to SXGA 1400 x 1050 @ 60 Hz	
Ethernet	Interface	10/100/1000 Mbps	
	Controller	GbE LAN1: Intel 82567V; GbE LAN2: Intel 82583V	
	Connector	2 x RJ-45 connectors	
Watchdog Timer	Output	System reset	
	Interval	Programmable, 1~255 sec/min	
Storage Interface	2.5" HDD Bay	1 (SATA)	
	slim ODD	1 (SATA)	
I/O Interface	USB	8 (4 on rear, 2 on front, 2 internal)	
	Serial	3 (1 of RS-232/422/485, 2 of RS-232)	
	Ethernet	2	
	Audio	2 (Mic-in, Line-out)	
	VGA	1	
Miscellaneous	LED Indicators	Power, HDD	
	Control	AT power switch (on rear), system reset button (on front)	
Environment		Operating	Non-operating
	Operating Temp.	0 ~ 40° C (32 ~ 104° F)	-20 ~ 60° C (-4 ~ 140° F)
	Operating 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 ms duration, half sine wave)	30 G
Physical Characteristics	Dimensions (W x H x D)	480 x 44 x 288 mm (19" x 1.7" x 11.4")	
	Net Weight	3.6 kg / 7.92 lb	

* The motherboard only supports 2 SATA connectors.

* If IPC-100 is operated in an environment without any air flow, the environmental temperature should be no higher than 25° C.

Dimensions



Unit: mm [inch]

System Ordering Information

Part Number	CPU	Power supply	Expansion	Display	SATA	USB	COM	Audio
IPC-100-60SE	Intel Atom N450 1.66 GHz	AC to DC +12 V 60 W	1 x PCI (optional) 1 x Mini PCIe	VGA	2	8	3	2

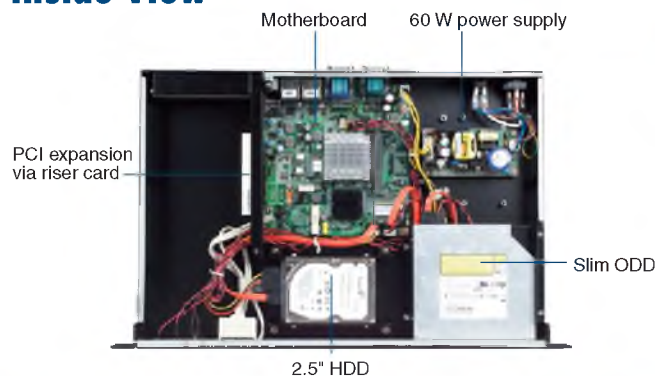
Front View



Packing List

Description	Quantity
IPC-100 system	x 1
SATA power cable for HDD	x 1
SATA signal cable for HDD & slim ODD	x 2
SATA power cable for slim ODD	x 1
Mounting bracket	x 2
User manual	x 1
Driver CD	x 1

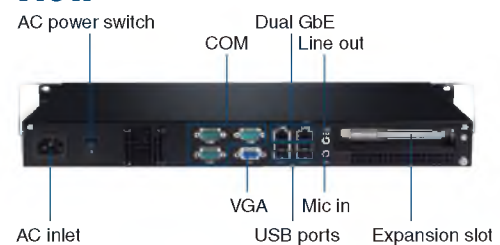
Inside View



Optional Accessories

Part Number	Description
989KC10000E	1U riser card for 1 PCI expansion

Rear View



ACP-7360

7U 20-Slot Rackmount Chassis with 6 Hot-Swap SAS/SATA HDD Trays and Redundant Power Supply



Features

- Supports ATX motherboard (via optional rear plate kit), 18-slot PICMG 1.3 express backplane or 20-slot PICMG 1.0 backplane
- Hot-swappable SAS/SATA HDD trays, cooling fans and redundant power supply
- System alarm notification LEDs, including system operation, power voltage, and SAS/SATA storage status
- Front-accessible USB and PS/2 interfaces for easy data transfer
- Lockable front-door prevents unauthorized access



Specifications

Drive Bay	Slim Optical Disk Drive	Front-accessible
	3.5"	1
	5.25"	6 SAS/SATA HDDs + 1
Cooling	Fans	2
	Air Filters	4 (9 cm/58 CFM each) hot-swap; 2 (8 cm/47 CFM each) for SAS/SATA storage unit
I/O Interface	USB	Yes
	PS/2	2 (front-accessible)
Miscellaneous	Notification LEDs	PS/2 keyboard & mouse, or PS/2 keyboard only, depending on the enclosed CPU board
	Control	Power, HDD, Fan, Temperature and Power voltage status
Environment	Operating	Power switch, system reset (reserve 1 more for dual-system) & alarm reset buttons
	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)	1 Grms 2 G
	Shock	10 G (with 11 ms duration, half sine wave) 30 G
Physical Characteristics	Dimensions (W x H x D)	482 x 307 x 502 mm (19" x 12.1" x 19.7")
	Weight	35 kg (77 lb)

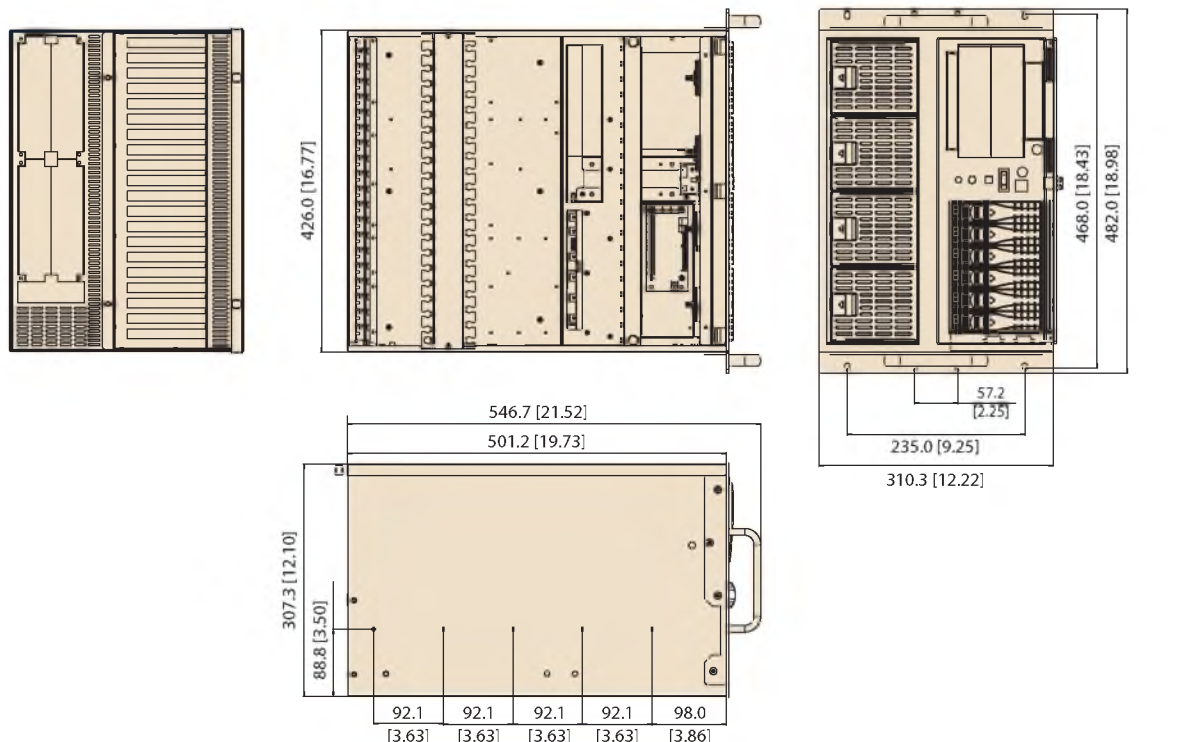


Four hot-swap cooling fans with filter



Hot-swap redundant power supply

Dimensions



Ordering Information

Part Number	Power Supply
ACP-7360BP-00RE	Barebone chassis for 570W/ 810W RPS, with ATX switch
ACP-7360BP-46RE	1757001757 (460W 1+1 RPS)

Power Supply Options

(For detailed power supply specs, please refer to Chapter 6)

Part Number	Specifications	
	Watt	Input
1757001757 (1+1 redundant)	460 W ATX PFC	AC 100 ~ 240 V (full range)
1757001758 (2+1 redundant)	570 W ATX PFC	AC 115 ~ 230 V (full range)
1757001759 (3+1 redundant)	810 W ATX PFC	AC 115 ~ 230 V (full range)

Optional Accessories

Part Name	Description
2130006147S000	Door filter 97.6 x 36.6 x 5 mm
2130006192S000	Door filter 174 x 79.2 x 5 mm
2130006193S000	Fan filter 104 x 92 x 5 mm
9892700000E	Motherboard rear plate kit
9662700020E	Black 3.5" mobile HDD tray
1700011772	SATA power wire 6-pin to big 4-pin (for slim ODD)
96RC-SAS-4P-PE-LS	Interface PCIe x8, 4-port SAS/SATA RAID card with 1 SAS SFF8087 connector
96RC-SAS-8P-PE-LS1	Interface PCIe x8, 8-port SAS/SATA RAID card with 2 SAS SFF8087 connectors
96CB-SAS-SATA-4P	Mini SAS to 4 SATA + SGPIO cable, 0.8 m
IDT-3120E	Mobile rack for converting a 3.5" drive bay to dual 2.5" SATA HDD trays
IDT-5230E	Mobile rack for converting dual 5.25" drive bays to three 3.5" SAS/SATA HDD trays

PS. When choosing either of above RAID cards, please must use 96CB-SAS-SATA-4P to ensure the LEDs on HDD trays function correctly.

ACP-1010/1320

1U Rackmount Chassis for Full-size SHB/SBC or ATX/MicroATX Motherboard with Dual SAS/SATA HDD Trays



Features

- Space-saving 1U rackmount chassis, ideal building block for business expansion
- Supports full-size SHB/SBC or ATX/MicroATX motherboards
- LED indicators for LAN connectivity, alarm notification of power supply, HDD activity, system fan, and in-chassis temperature
- ACP-1010: supports a slim ODD and two 3.5" disk drives
- ACP-1320: supports dual mobile SAS / SATA HDD trays
- Supports up to 2 expansion slots in BP version, and 1 expansion slot via riser card in MB version
- Supports both 250 W/300 W ATX/PFC power supply
- Efficient cooling design prevents the system from over-heating



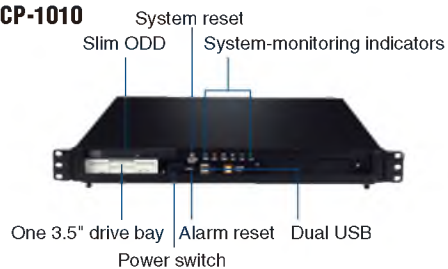
Specifications

Drive Bay	Slim Optical Disk Drive	Front-accessible 1	Internal -
	3.5"	1/2 SAS/SATA HDDs	1 (For ACP-1010BP-30ZE, it only allows 2.5" HDD.)
Cooling	Fan	BP: 4 (4 cm/24 CFM x 3 + 15 CFM x 1) MB: 2 (4 cm/24 CFM each)	
Front I/O Interface	USB	2	
Miscellaneous	Notification LEDs	System: Power, HDD, Temperature, Fan, LAN1 and LAN2	
	Control	Power switch, system reset & alarm reset button	
	Rear panel	One 9-pin D-Sub opening	
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)	0.5 Grms	2 G
	Shock	10 G (with 11 ms duration, half sine wave)	30 G
Physical Characteristics	Dimensions (W x H x D)	480 x 44 x 497 mm (19" x 1.7" x 19.6") / 480 x 44 x 617 mm (19" x 1.7" x 24.3")	
	Weight	8 kg (17.6 lb) / 8.8 kg (19.4 lb)	

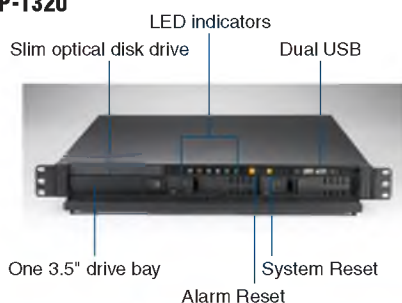
* This chassis supports up to Intel® Pentium® 4 84W, Core™2 Duo and Core™2 Quad 95W processors. We suggest that the ACP-1010 should be operated under 35° C if it uses a Core™2 Quad processor. For server grade CPU cards like the PCE-7214 configured with SAS RAID card and SAS HDD, we suggest utilizing the Xeon® processor at 35 watts or under for better thermal dissipation. This is due to the thermal and the power consumption of the SAS HDD being much higher than the SATA HDD while the system is operating. When you purchase the ACP-1010BP-30ZE, the internal HDD only can be installed with 2.5" instead of 3.5" HDD.

Front View

ACP-1010



ACP-1320



Inside View



ACP-1010BP



ACP-1010MB

Rear View



ACP-1010BP/1320BP

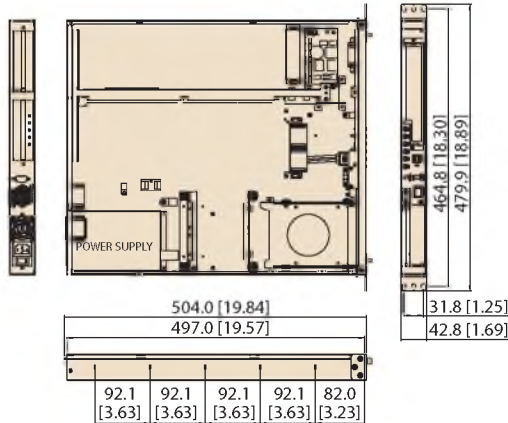


ACP-1010MB/1320MB

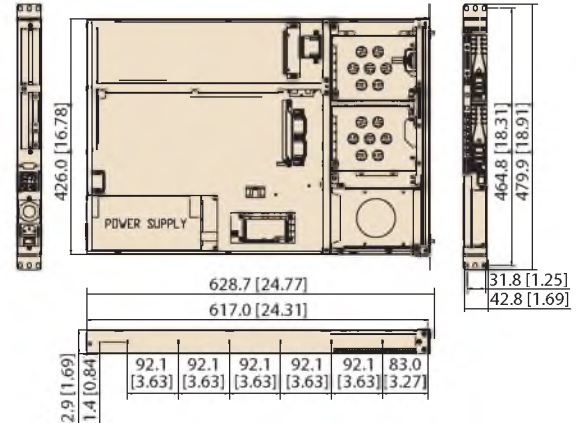
Dimensions

Unit: mm [inch]

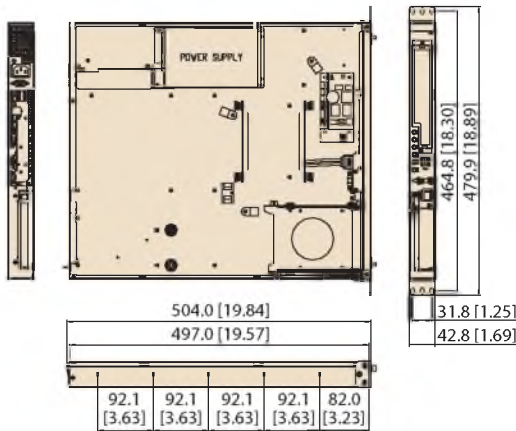
ACP-1010BP



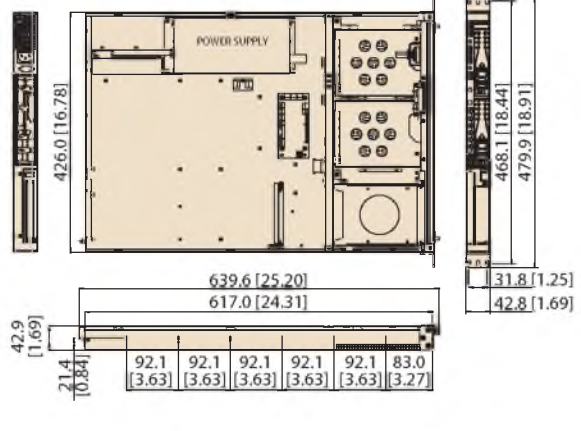
ACP-1320BP



ACP-1010MB



ACP-1320MB



Ordering Information

Model Name	Power Supply
Backplane Version	
ACP-1010BP-00XE	-
ACP-1010BP-30ZE	1757000160G
ACP-1320BP-00XE	-
ACP-1320BP-30ZE	1757000160G
Motherboard Version	
ACP-1010MB0-00XE	-
ACP-1010MB0-30ZE	1757000263
ACP-1320MB0-00XE	-
ACP-1320MB0-30ZE	1757000263

* ACP-1010MB/1320 MB does not support AIMB-763, 542, 562 and 564 because the height of the audio connector is over 1U.

Optional Accessories

Part Name	Description
2130007889S000	Filter 170 x 32 x 5 mm for ACP-1010
1700011772	SATA power wire 6-pin to big 4-pin (for slim ODD)
9662132000E	Black 3.5" mobile HDD tray
1960048353T000	I/O shield for AIMB-780/767/580/566
1960055954T000	I/O shield for AIMB-781/581
1920000406T000	I/O shield for ASMB-781/782/820
ACP-1320MB-FAN0E	ACP-1320 fan Kit for supporting ASMB

* Ordering 1 piece of each ACP-1320MB-FAN0E and ASMB rear I/O shield is mandatory for configuring ASMB with ACP-1320.

Power Supply Options

(For detailed power supply specs, please refer to Chapter 6)

Part Name	Watts	Specifications
BP: 1757001797 (ATX, PFC)	250 W	AC 100 ~ 240 V (full-range)
MB: 1757001457 (ATX, PFC)		
BP: 1757000160G (ATX, PFC)	300 W	AC 100 ~ 240 V (full-range)
MB: 1757000263 (ATX, PFC)		

Backplane Options

Part Name	Slot	CPU Card
PICMG 1.3		
PCE-5B03V-01A1E	One CPU, one PCIe x16, one PCI (32-bit/33 MHz)	PCE-5124/5130
PCE-5B03V-00A1E	One CPU, one PCIe x16, one PCIe x4	
PICMG 1.0		
989K610302E (PCA-6103P2V-0A2E)	One CPU, 2 PCI (32-bit/33 MHz)	PCA-6010/6194/6011

ACP-4360

4U Rackmount Chassis with 6 Hot-Swap SAS / SATA Trays for RAID



CE FCC RoHS

Features

- Supports up to 6 SAS/SATA HDDs, which can be hot-swappable if a SATA RAID card is used
- Supports either an ATX motherboard or a PICMG backplane up to 15 slots
- Supports one slim optical disk drive and one 3.5" FDD or internal HDD
- LED indicators for LAN connectivity and alarm notification for redundant power supply, HDD activity, system fan and in-chassis temperature
- Reusable, front-accessible filters for easy maintenance

Specifications

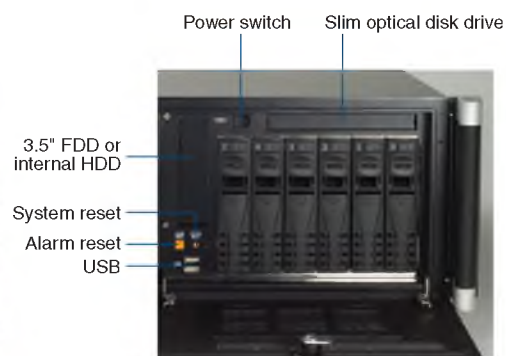
Drive Bay	Slim Optical Drive (Front-accessible) 3.5"	Front-accessible
		1
Cooling	Fan Air Filter	1 (12 cm / 114 CFM) + 2 (8 cm / 47 CFM each) for SAS/SATA storage unit
		Yes
Front I/O Interface	USB	2
Miscellaneous	LED Indicators	System: Power, HDD (for IDE drives only), fan, temperature, LAN1 and LAN2 SAS/SATA HDD trays: HDD power and activity
	Rear Panel	Backplane version: One 9-pin D-Sub opening Motherboard version: Five 9-pin D-Sub and one 68-pin SCSI openings
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)	1 Grms 2 G
	Shock	10 G (with 11 ms duration, half sine wave) 30 G
Physical Characteristics	Dimensions (W x H x D)	482 x 177 x 501 mm (19" x 7" x 19.8")
	Weight	19.0 kg (41.8 lb)



Rear view of ACP-4360MB



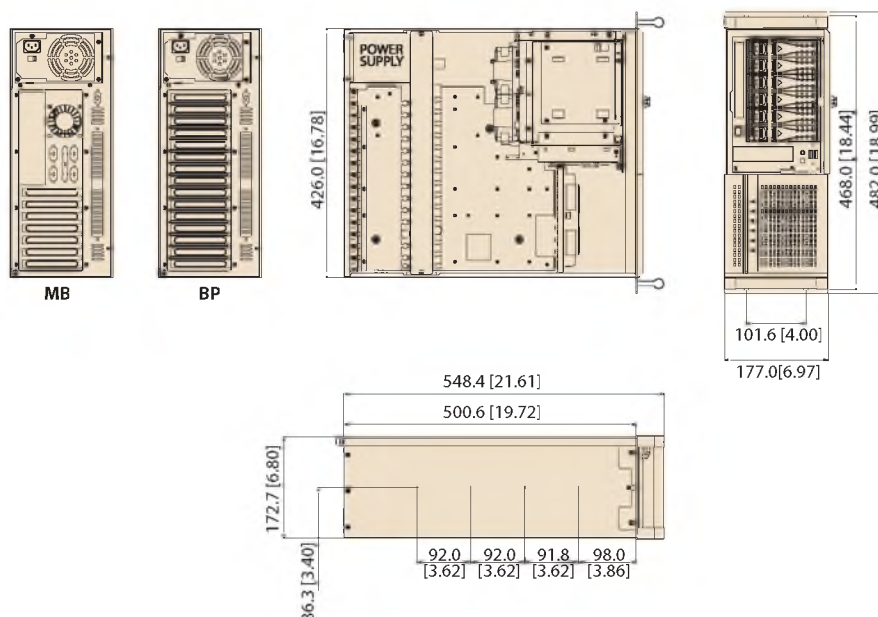
Easy-to-maintain system fan



Six hot-swappable SAS/SATA HDD trays

Dimensions

Unit: mm [inch]



Ordering Information

Part Number	Power Supply
Backplane Version	
ACP-4360BP-00XBE	Without power supply, with ATX switch
Motherboard Version	
ACP-4360MB-00XBE	Without power supply, with ATX switch

Power Supply Options

(For detailed power supply specs, please refer to Chapter 6)

Part Number	Specifications	
	Watts	Input
PS8-400ATX-ZE (ATX, PFC)	400 W	AC 100 ~ 240 V (full range)
PS8-500ATX-ZE (ATX, PFC)	500 W	AC 115 ~ 240 V (full range)
PS8-700ATX-ZE (ATX, PFC)	700 W	AC 100 ~ 240 V (full range)
RPS-400ATX-ZE (ATX, PFC) (1+1 redundant)	400 W	AC 100 ~ 240 V (full range)

Optional Accessories

Part Number	Description
1990001299	Fan filter 95 x 130 mm
1990001298	Door filter 150 x 68 mm
9662700020E	Black 3.5" mobile HDD tray
1700011772	SATA power wire 6-pin to big 4-pin (for slim ODD)
96RC-SAS-4P-PE-LS	Interface PCIe x8, 4-port SAS/SATA RAID card with 1 SAS SFF8087 connector
96RC-SAS-8P-PE-LS1	Interface PCIe x8, 8-port SAS/SATA RAID card with 2 SAS SFF8087 connectors
96CB-SAS-SATA-4P	Mini SAS to 4 SATA + SGPIO cable, 0.8 m

PS. When choosing either of above RAID cards, please must use 96CB-SAS-SATA-4P to ensure the LEDs on HDD trays function correctly.

ACP-2000/ IPC-602

2U 6-Slot Rackmount Chassis with Front USB and PS/2 Interfaces



Features

- 2U rackmount chassis supports up to 6 cards
- Butterfly backplane design
- Front-accessible USB and PS/2 connectors
- 250 W / 300 W AC ATX and DC power supply options
- Two 40 CFM cooling fans with air filter
- Lockable front door prevents unauthorized access
- System alarm notification by front LED indicators (ACP-2000 only)



Specifications

		Front-accessible	Internal
Drive Bay	Slim Optical Disk Drive	1/-	-
	3.5"	2/1	-/1
	5.25"	-/1	-
Cooling	Fan	2 (8 cm / 47 CFM each) / 2 (8 cm / 40 CFM each)	
	Air Filter	Yes	
Front I/O Interface	USB	2	
	PS/2	1	
Miscellaneous	LED Indicators	Power and HDD activity; fan and temperature for ACP-2000 only	
	Rear Panel	One 9-pin D-Sub opening	
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)	0.5 Grms	2 G
	Shock	10 G (with 11 ms duration, half sine wave)	30 G
	Dimensions (W x H x D)	482 x 88 x 451 mm (19" x 3.5" x 17.8")	
Physical Characteristics	Weight	11.5 kg (25.3 lb) / 11.3 kg (24.9 lb)	

Front View

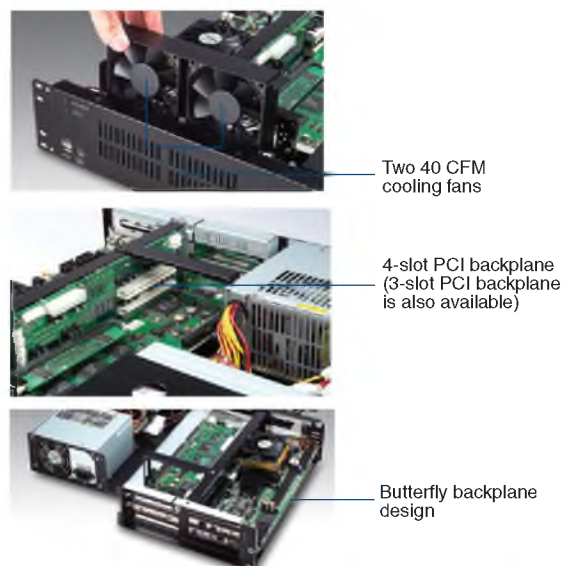
IPC-602



ACP-2000



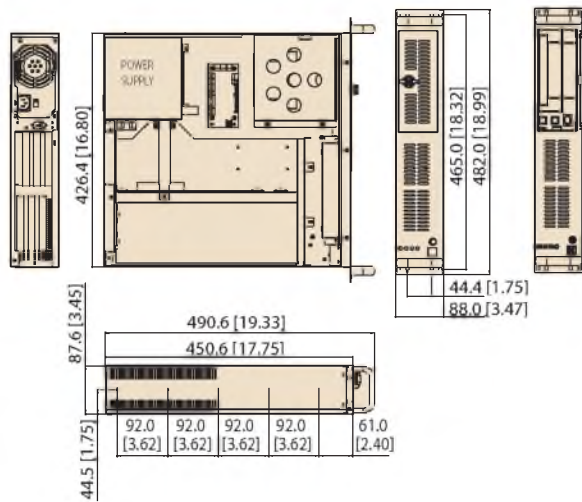
Inside View



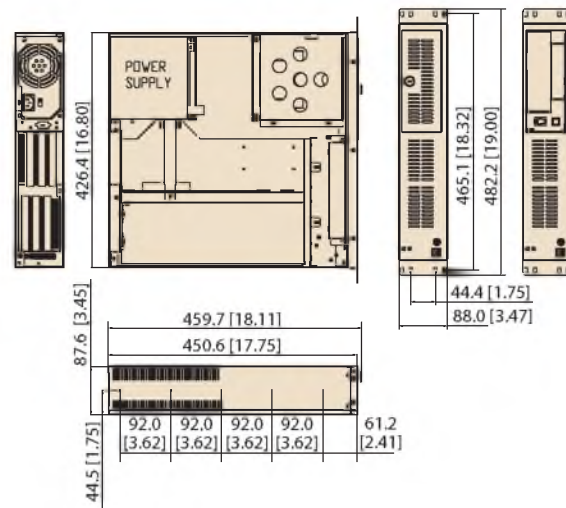
Dimensions

Unit: mm [inch]

ACP-2000



IPC-602



Ordering Information

Part Number	Power Supply	Backplane
PICMG 1.0		
ACP-2000P3-00XE	Without power supply, with ATX switch	989K610622E (PCA-6106P3V)
ACP-2000P4-00XE	Without power supply, with ATX switch	989K610512E (PCA-6105P4V)
IPC-602P3-00XBE	Without power supply, with ATX switch	989K610622E (PCA-6106P3V)
IPC-602P4-00XBE	Without power supply, with ATX switch	989K610512E (PCA-6105P4V)
PICMG 1.3		
ACP-2000EBP-00XE	Without power supply, with ATX switch	-
IPC-602EBP-00XBE	Without power supply, with ATX switch	-

Power Supply Options

(For detailed power supply specs, please refer to Chapter 6)

Part Number	Watts	Specifications Input
PS-250ATX-ZE (ATX, PFC) (IPC-602 only)	250 W	AC 115/230 V (selectable)
PS8-300ATX-ZBE (ATX, PFC)	300 W	AC 100 ~ 240 V (full range)
PS8-400ATX-ZE (ATX, PFC)	400 W	AC 100 ~ 240 V (full range)
PS-300ATX-DC48E (ATX)	300 W	DC -48 V
RPS-300ATX-ZE (ATX, PFC) (1+1 redundant, ACP-2000 only)	300 W	AC 100 ~ 240 V (full range)

Optional Accessories

Part Number	Description
2130006189S000	Door filter 156 x 45 x 5 mm
1990001949	Fan filter 165 x 58 mm
1950000868T00B	P3 and X3 card cage
1950000869N002	P4 card cage
1700011772	SATA power wire 6-pin to big 4-pin (for slim ODD)
IDT-3120E	Mobile rack for converting a 3.5" drive bay to dual 2.5" SATA HDD trays

ACP-2010MB/ 2320MB

2U Rackmount Chassis for ATX/ MicroATX Motherboard with Low-Profile Rear Bracket Option



Features

- LED indicators and audible alarm notification for system fault detection
- Shock-resistant drive bays to hold one 5.25" and three 3.5" drives for ACP-2010MB (one front-accessible and two internal); one slim optical disk drive, two internal 3.5" drives and dual mobile SAS/SATA HDD trays for ACP-2320MB
- Various riser card options to support three full-size PCI or PCIe cards for expansion
- Supports 300 W / 400 W ATX PFC power supply
- Reusable and washable air filters



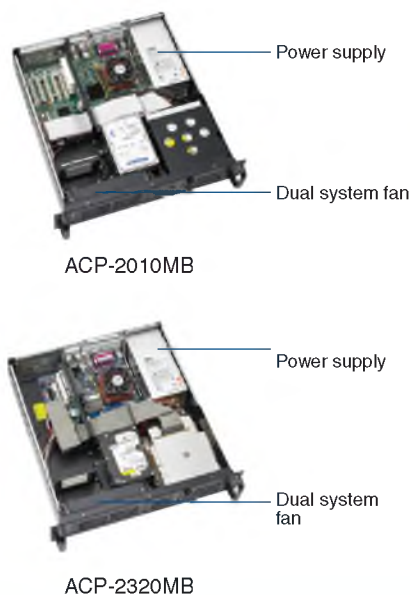
Specifications

Drive Bay	Slim Optical Disk Drive	Front-accessible	Internal
		- / 1	-
	5.25"	1 / 0	-
		1 / 2 (SAS/SATA HDD)	2 / 2
Cooling	Fan	2 (8 cm /47 CFM each) / 2 (8 cm /47 CFM each) + 1 (6 cm /28 CFM) for SAS/SATA storage unit	
		Air Filters	
Front I/O Interface	USB	Yes	
		2	
Miscellaneous	PS/2	1	
		LED Indicators	
Environment	Rear Panel	Power, HDD, temperature, fan	
		Two 9-pin D-Sub openings	
Physical Characteristics	Temperature	Operating	Non-operating
		0 ~ 40° C (32 ~ 104° F)	-20 ~ 60° C (-4 ~ 140° F)
		Humidity	10 ~ 95% @ 40° C, non-condensing
		10 ~ 85% @ 40° C, non-condensing	10 ~ 95% @ 40° C, non-condensing
		Vibration (5 ~ 500 Hz)	1 Grms
	Shock	2 G	30 G
		10 G (with 11 ms duration, half sine wave)	30 G
		Dimensions (W x H x D)	482 x 88 x 480 mm (19" x 3.46" x 18.9")
	Weight	10.7 kg (23.5 lb) / 11.7 kg (25.7 lb)	

Front View



Inside View



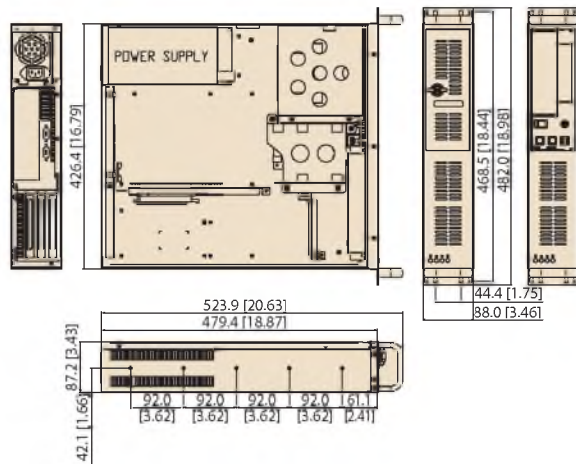
Rear View



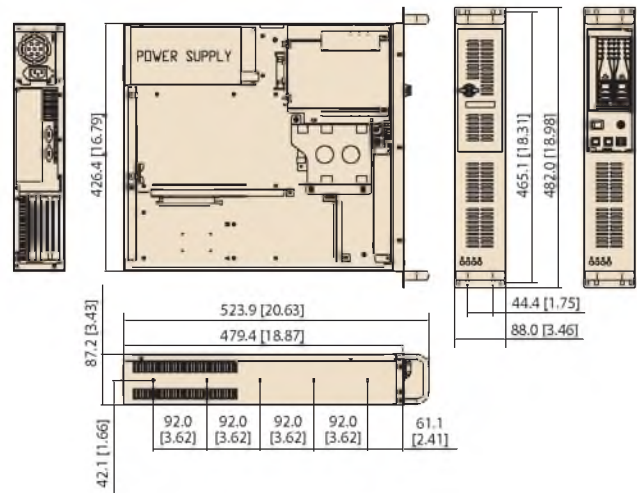
Dimensions

Unit: mm [inch]

ACP-2010MB



ACP-2320MB



Ordering Information

Part Number	Power Supply
ACP-2010MB0-00XB	Without power supply, with ATX switch
ACP-2320MB0-00XB	Without power supply, with ATX switch

Power Supply Options

(For detailed power supply specs, please refer to Chapter 6)

Part Number	Specifications	
	Watts	Input
1757000007G (ATX, PFC)	300 W	AC 100 ~ 240 V (full range)
1757000105G (ATX, PFC)	400 W	AC 100 ~ 240 V (full range)
1757001137 (ATX, PFC) (1+1 redundant)	250W	AC 100 ~ 240 V (full range)

Optional Accessories

Part Number	Description
Rear I/O panel kit for low-profile add-on cards	
1939000361	Screw (should purchase 7 pcs)
1960034816N000	I/O bracket (should purchase 7 pcs)
1960019475T201	Rear panel for low-profile
1700060202	Y-cable for PS/2 mouse and keyboard
9662132000E	Black 3.5" mobile HDD tray
1990007986S000	Door filter 156 x 45 x 5 mm
1990001949	Fan filter bracket 168 x 58 mm
1950014302N001	Special bracket for riser card AIMB-RP3P8-12A1E
1700011772	SATA power wire 6-pin to big 4-pin (for slim ODD)
IDT-3120E	Mobile rack for converting a 3.5" drive bay to dual 2.5" SATA HDD trays

ACP-4000

4U Rackmount Chassis with Visual & Audible Alarm Notification



Features

- 4U rackmount chassis supports up to 15 add-on cards
- Shock-resistant disk drive bay design holds up to three 5.25" and one 3.5" disk drives
- Front-accessible USB and PS/2 interfaces for easy data transfer
- Dual 12 cm / 85 CFM ball-bearing fans provide optimized and streamlined airflow
- Front LED indicators and audible alarm notification for system fault detection
- Lockable front door prevents unauthorized access
- Supports 300 W single PS/2 and redundant ATX power supplies



Specifications

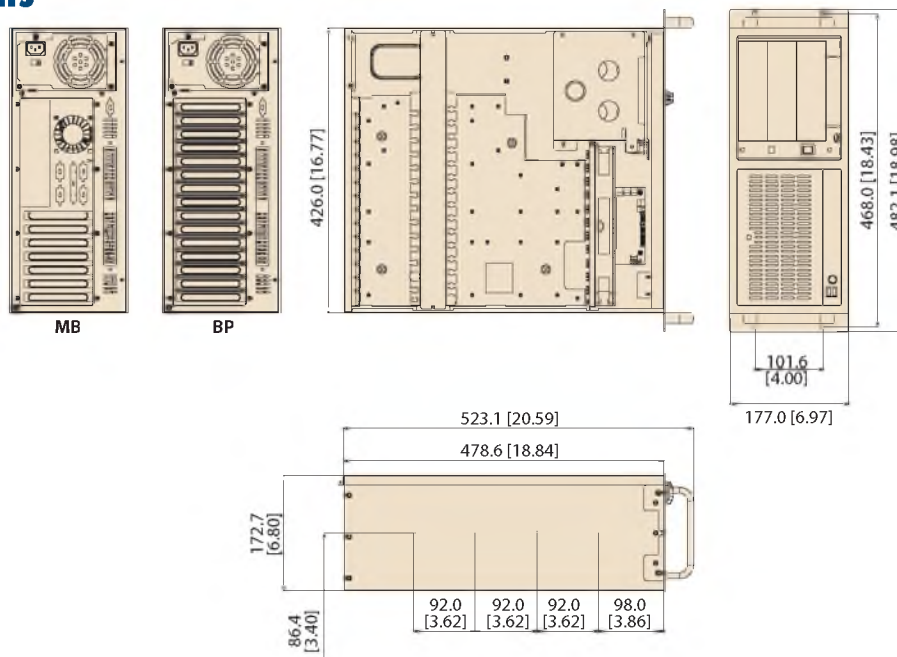
Drive Bay	3.5"	Front-accessible	
	5.25"		
Cooling	Fan	2 (12 cm / 85 CFM each)	
	Air Filter	Yes	
Front I/O Interface	USB	2	
	PS/2	1	
Miscellaneous	LED Indicators	Power, HDD, temperature, fan, and power voltage status	
	Rear Panel	Backplane version: One 9-pin D-Sub opening Motherboard version: Five 9-pin D-Sub & one 68-pin SCSI openings	
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)	1 Grms	2 G
	Shock	10 G (with 11 ms duration, half sine wave)	30 G
	Dimensions (W x H x D)	482 x 177 x 479 mm (19" x 7" x 18.9")	
Physical Characteristics	Weight	15.2 kg (33.5 lb)	

Front View



Dimensions

Unit: mm [inch]



Ordering Information

Part Number	Power Supply
Backplane Version	
ACP-4000BP-00XE	Without power supply, with ATX switch
ACP-4000BP-30BE	PS8-300ATX-ZBE
Motherboard Version	
ACP-4000MB-00XE	Without power supply, with ATX switch
ACP-4000MB-30BE	PS8-300ATX-ZBE

Power Supply Options

(For detailed power supply specs, please refer to Chapter 6)

Part Number	Specifications	
	Watts	Input
PS8-300ATX-ZBE (ATX, PFC)	300 W	AC 100 ~ 240 V (full range)
PS8-400ATX-ZE (ATX, PFC)	400 W	AC 100 ~ 240 V (full range)
RPS-300ATX-ZE (ATX, PFC) (1+1 redundant)	300 W	AC 100 ~ 240 V (full range)
PS-300ATX-DC48E (ATX)	300 W	DC -48 V

Optional Accessories

Part Number	Description
2130006147S000	Door filter 97.6 x 36.6 x 5 mm
2130004803S000	Fan filter 115 x 195 x 5 mm
1700006915	ATX 24P/20P + 4P + 8P 60cm cable (connecting from power supply to alarm board)
1700006917	Two Mini DIN (connect to MB) / 6P (connect to front I/O board) PS2 KB/Mouse cable
IDT-3120E	Mobile rack for converting a 3.5" drive bay to dual 2.5" SATA HDD trays
IDT-5230E	Mobile rack for converting dual 5.25" drive bays to three 3.5" SAS/SATA HDD trays

* If users use AIMB-763 or 3rd party motherboard, they need to purchase 1700006915 or 1700006916 for the front voltage LEDs to function normally. And they also need to purchase 1700006917 to make front PS/2 function normally.

IPC-510

Economical 4U Rackmount Chassis with Front USB and PS/2 Interfaces



Features

- The most cost-effective rackmount chassis
- Supports 250/300 W ATX PFC PS/2 power supply
- Easy to install front-accessible drive bays to hold three 5.25" and two 3.5" drives (one front-accessible & one internal)
- Front-accessible USB & PS/2 interfaces
- Designed to withstand environmental extremes, such as shock, vibration and high temperature

CE FCC RoHS

Specifications

Drive Bay		Front-accessible	Internal
		3	-
Cooling	5.25"	1 (12 cm / 77 CFM)	
	3.5"	1	1
Front I/O Interface	Fan	Yes	
	Air Filter	Yes	
Miscellaneous	USB	2	
	PS/2	1	
Environment	LED Indicators	Power and HDD activity	
	Rear Panel	Backplane version: Two 9-pin D-Sub openings Motherboard version: One 9-pin D-Sub and one 68-pin SCSI openings	
Physical Characteristics	Operating	0 ~ 40° C (32 ~ 104° F)	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 ms duration, half sine wave)	30 G
Physical Characteristics	Dimensions (W x H x D)	482 x 177 x 446 mm (19" x 7" x 17.6")	
	Weight	10.7 kg (23.5 lb)	



HDD LED Power switch
USB & PS/2 Power LED

Easy-to-maintain cooling fan

System reset switch



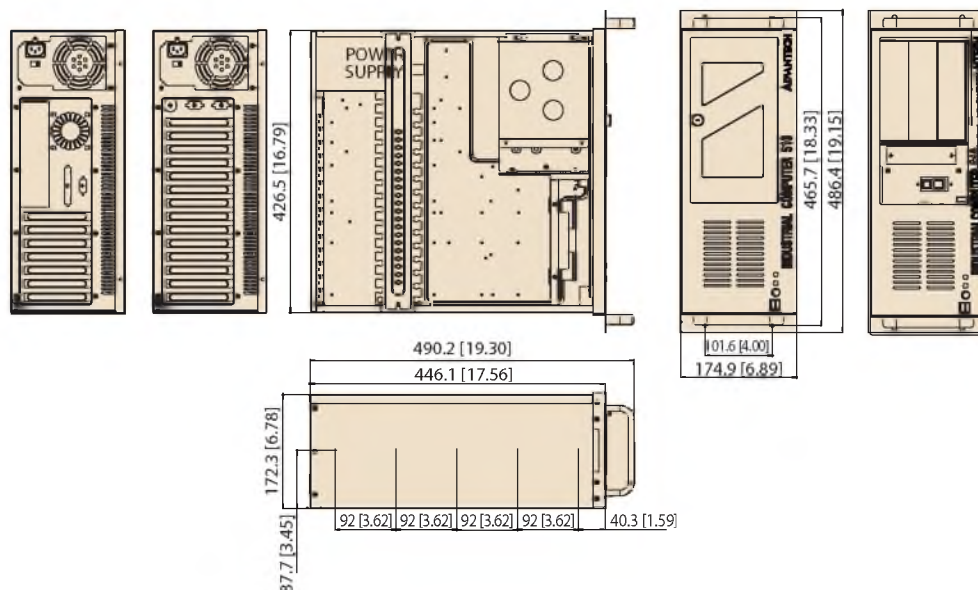
One 3.5" drive bay Three 5.25" drive bays
One internal 3.5" drive bay space



Motherboard can fit in 450 mm (17.7") depth

Dimensions

Unit: mm [inch]



Ordering Information

Part Number	Power Supply
Backplane Version	
IPC-510BP-00XBE	Without power supply, with ATX switch
IPC-510BP-30CE	PS8-300ATX-ZBE
Motherboard Version	
IPC-510MB-00XBE	Without power supply, with ATX switch
IPC-510MB-30CE	PS8-300ATX-ZBE

Optional Accessories

Part Number	Description
2130006190S000	Fan filter 120 x 100 x 15 mm
IDT-3120E	Mobile rack for converting a 3.5" drive bay to dual 2.5" SATA HDD trays
IDT-5230E	Mobile rack for converting dual 5.25" drive bays to three 3.5" SAS/SATA HDD trays

Power Supply Options

(For detailed power supply specs, please refer to Chapter 6)

Part Number	Specifications	
	Watts	Input
PS8-300ATX-ZBE (ATX, PFC)	300 W	AC 100 ~ 240 V (full-range)
PS8-400ATX-ZE (ATX, PFC)	400 W	AC 100 ~ 240 V (full-range)

IPC-610-F

Classic 4U 15-Slot Rackmount Chassis



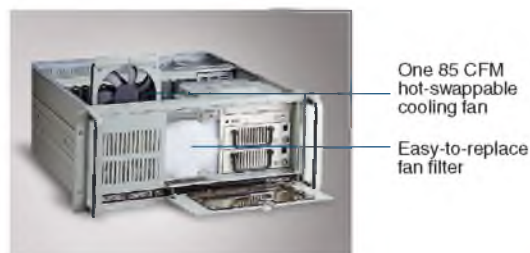
Features

- 4U rackmount chassis supports up to 15 cards
- Shock-resistant disk drive bay design holds up to three 5.25" and two 3.5" (one front-accessible & one internal) disk drives
- Special hold-down clamp design with rubber cushions protects the cards from shock and vibration
- Power and HDD activity notification improves system availability
- Front-accessible air filter for easy system maintenance
- Lockable front door prevents unauthorized access
- 300 W / 400 W AC and 300 W DC ATX power supply options

CE FCC RoHS

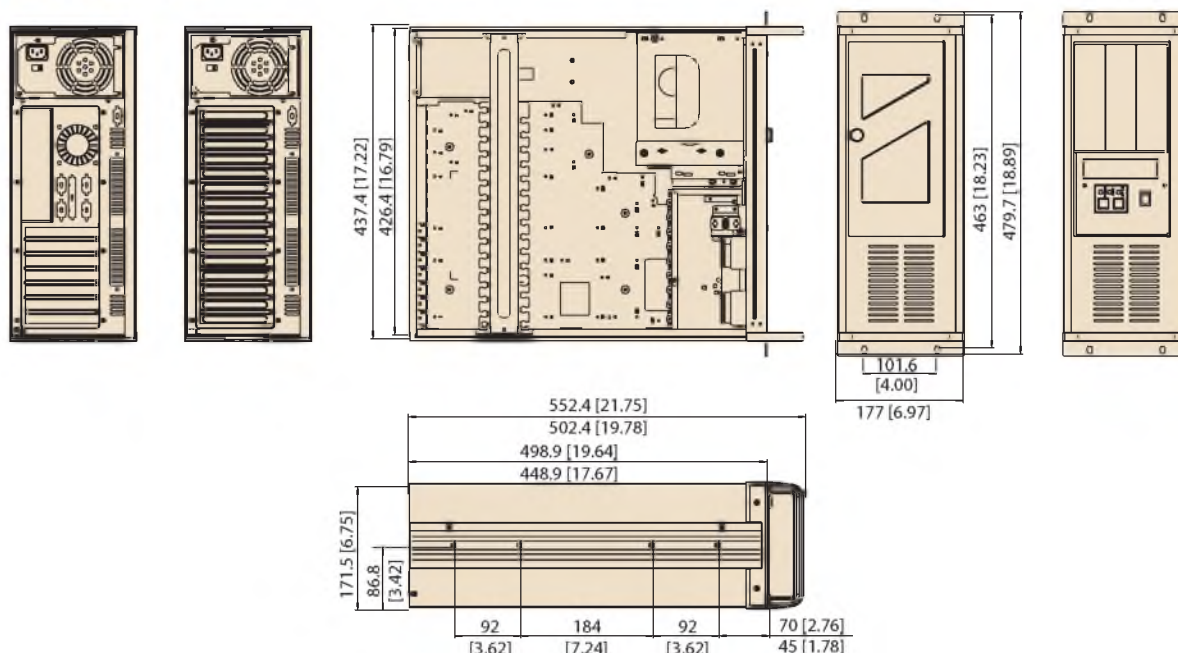
Specifications

Drive Bay		Front-accessible	Internal
		1	1
Cooling	3.5"	3	-
	5.25"	1 (12 cm / 85 CFM)	
Miscellaneous	Fan	Yes	
	Air Filter		
	LED Indicators	Power, HDD, keyboard lock	
	Control	Power, system reset and keyboard lock switches	
Environment	Rear Panel	Backplane version: One 9-pin D-Sub opening Motherboard version: Five 9-pin D-Sub & one 68-pin SCSI openings	
		Operating	Non-Operating
Physical Characteristics	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 ms duration, half sine wave)	30 G
Physical Characteristics	Dimensions (W x H x D)	IPC-610BP: 482 x 177 x 449 mm (19" x 7" x 17.8") IPC-610MB: 482 x 177 x 499 mm (19" x 7" x 19.6")	
	Weight	16.2 kg (35.6 lb)	



Dimensions

Unit: mm [inch]



Ordering Information

Part Number	Power Supply
Backplane Version	
IPC-610BP-00XFCE	Without power supply, with ATX switch
IPC-610BP-30FDE	PS8-300ATX-ZBE
Motherboard Version	
IPC-610MB-00XFCE	Without power supply, with ATX switch
IPC-610MB-30FDE	PS8-300ATX-ZBE

Optional Accessories

Part Number	Description
2130006190S000	Fan filter 120 x 100 x 15 mm
IDT-3120E	Mobile rack for converting a 3.5" drive bay to dual 2.5" SATA HDD trays
IDT-5230E	Mobile rack for converting dual 5.25" drive bays to three 3.5" SAS/SATA HDD trays

Power Supply Options

(For detailed power supply specs, please refer to Chapter 6)

Part Number	Watts	Specifications
		Input
PS8-300ATX-ZBE (ATX, PFC)	300 W	AC 100 ~ 240 V (full range)
PS8-400ATX-ZE (ATX, PFC)	400 W	AC 100 ~ 240 V (full range)
PS-300ATX-DC48E (ATX)	300 W	DC-48 V
RPS-300ATX-ZE (ATX, PFC) (1+1 redundant)	300 W	AC 100 ~ 240 V (full range)

IPC-610-H

4U Rackmount Chassis with Visual & Audible Alarm Notification



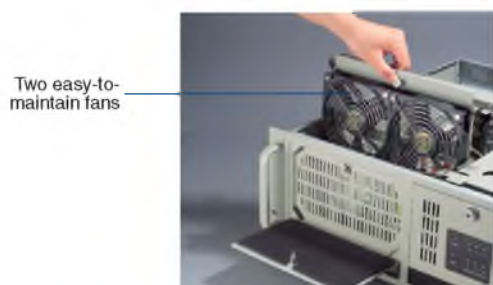
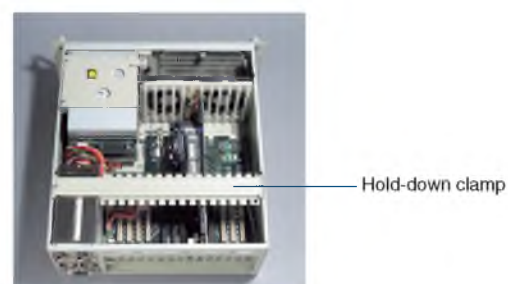
Features

- 4U rackmount chassis supports up to 15 add-on cards
- Shock-resistant disk drive bay design holds up to three 5.25" and one 3.5" disk drives
- Front accessible USB & PS/2 interfaces for easy data transfer
- Dual front-accessible filtered cooling fans provide optimized and streamlined airflow
- Front LEDs indicate power status, and HDD activity
- Lockable front door prevents unauthorized access
- Supports 300 W single PS/2 and redundant ATX power supplies

CE FCC RoHS

Specifications

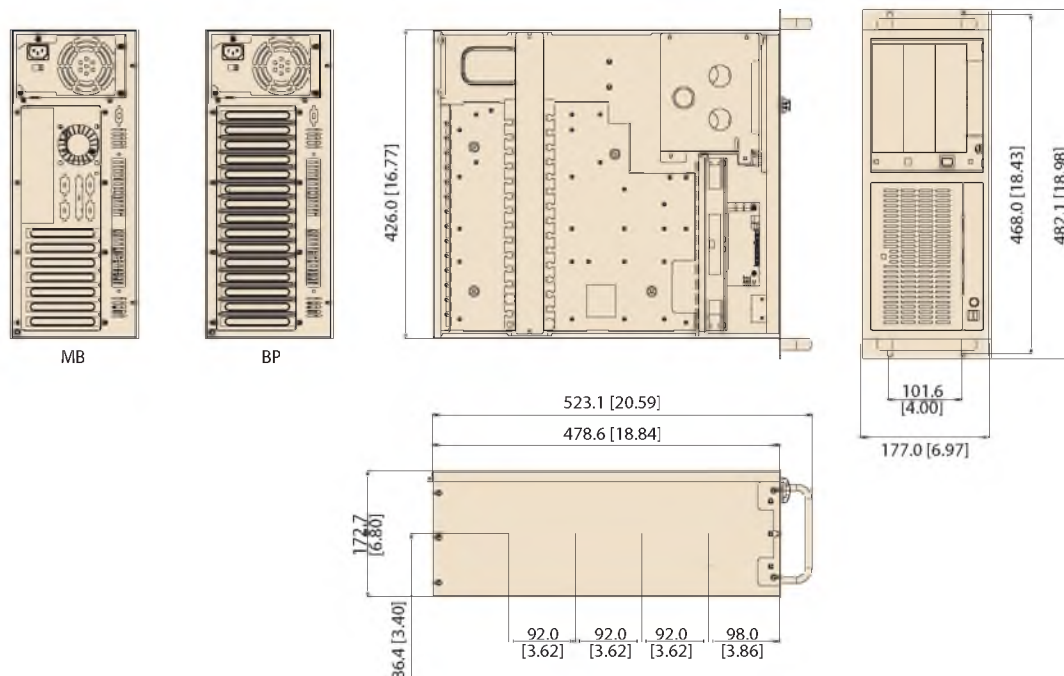
Drive Bay	3.5"	Front-accessible
	5.25"	1
Cooling	Fan	2 (12 cm / 85 CFM each)
	Air Filter	Yes
Front I/O Interface	USB	2
	PS/2	1
Miscellaneous	LED Indicators	Power, HDD, and power voltage status
	Rear Panel	Backplane version: One 9-pin D-Sub opening Motherboard version: Five 9-pin D-Sub & one 68-pin SCSI openings
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)	1 Grms 2 G
	Shock	10 G (with 11 ms duration, half sine wave) 30 G
	Dimensions (W x H x D)	482 x 177 x 479 mm (19" x 7" x 18.9")
Physical Characteristics	Weight	15 kg (33 lb)



Rear view of IPC-610BP-H

Dimensions

Unit: mm [inch]



Ordering Information

Part Number	Power Supply
Backplane Version	
IPC-610BP-00XHE	Without power supply, with ATX switch
IPC-610BP-30HBE	PS8-300ATX-ZBE
Motherboard Version	
IPC-610MB-00XHE	Without power supply, with ATX switch
IPC-610MB-30HBE	PS8-300ATX-ZBE

Power Supply Options

(For detailed power supply specs, please refer to Chapter 6)

Part Number	Specifications	
	Watts	Input
PS8-300ATX-ZBE (ATX, PFC)	300 W	AC 100 – 240 V (full range)
PS8-400ATX-ZE (ATX, PFC)	400 W	AC 100 – 240 V (full range)
RPS-300ATX-ZE (ATX, PFC) (1+1 redundant)	300 W	AC 100 – 240 V (full range)
PS-300ATX-DC48E (ATX)	300 W	DC -48 V

Optional Accessories

Part Number	Description
2130006147S000	Door filter 97.6 x 36.6 x 5 mm
2130004803S000	Fan filter 115 x 195 x 5 mm
1700006916	ATX 24P/20P + 4P + 15P 60cm (connecting from power supply to LED board)
1700006917	Two Mini DIN (connect to MB) / 6P (connect to front I/O board) PS2 KB/Mouse cable
IDT-3120E	Mobile rack for converting a 3.5" drive bay to dual 2.5" SATA HDD trays
IDT-5230E	Mobile rack for converting dual 5.25" drive bays to three 3.5" SAS/SATA HDD trays

* If users use AIMB-763 or 3rd party motherboard, they need to purchase 1700006915 or 1700006916 for the front voltage LEDs to function normally. And they also need to purchase 1700006917 to make front PS/2 function normally.

IPC-610-L/ IPC-611

4U 15-Slot Rackmount Chassis with Front-Accessible Fan



Features

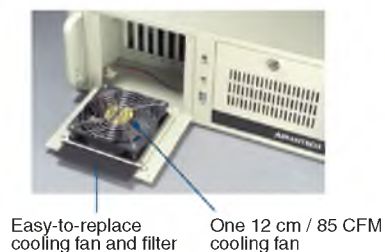
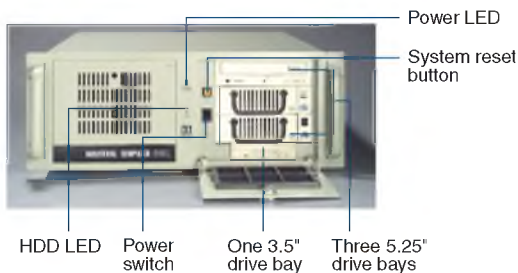
- Supports an ATX motherboard or a backplane with up to 15 slots
- Shock-resistant disk drive bay design holds up to three 5.25" and one 3.5" disk drives
- Special hold-down clamp design with rubber cushions protects the cards from shocks and vibrations
- Power and HDD activity notification improves system availability
- Front-accessible air filter for easy system maintenance
- Lockable front door prevents unauthorized access
- Flexible mechanical design supports both 300 W single PS/2 and redundant ATX power supply

Specifications

Drive Bay	3.5"	Front-accessible	
	5.25"		
Cooling	Fan	1 (12 cm / 85 CFM)	
	Air Filter	Yes	
Miscellaneous	LED Indicators	Power and HDD activity	
	Control	Power switch and system reset button	
	Rear Panel	Backplane version: One 9-pin D-Sub opening Motherboard version: Five 9-pin D-Sub & one 68-pin SCSI openings	
Environment	Temperature	Operating	Non-Operating
		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 ms duration, 1/2 sine wave)	30 G
Physical Characteristics	Color / Logo	IPC-610-L: Beige / Advantech Logo; IPC-611: Black / No Logo	
	Dimensions (W x H x D)	482 x 177 x 480 mm (19" x 7" x 18.9")	
	Weight	14.5 kg (31.9 lb) / 14.2 kg (31.2 lb)	

Front View

IPC-610-L

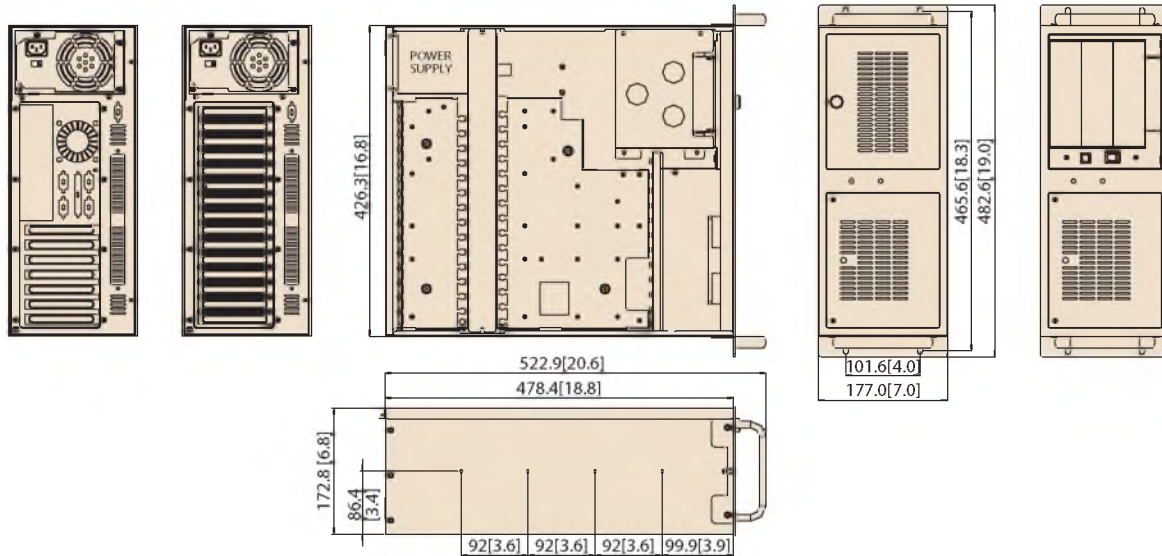


IPC-611



Dimensions

Unit: mm [inch]



Ordering Information

Part Number	Power Supply
Backplane Version	
IPC-610BP-00LBE	Without power supply, with ATX/AT switch
IPC-611BP-00XBE	Without power supply, with ATX switch
Motherboard Version	
IPC-610MB-00LBE	Without power supply, with ATX switch
IPC-611MB-00XBE	Without power supply, with ATX switch

Optional Accessories

Part Number	Description
2130006149S000	Fan filter 127 x 127 x 5 mm
2130004802S000	Door filter 142 x 97 x 5 mm
IDT-3120E	Mobile rack for converting a 3.5" drive bay to dual 2.5" SATA HDD trays
IDT-5230E	Mobile rack for converting dual 5.25" drive bays to three 3.5" SAS/SATA HDD trays

Power Supply Options

(For detailed power supply specs, please refer to Chapter 6)

Part Number	Specifications	
	Watts	Input
PS-250ATX-ZE (ATX, PFC)	250 W	AC 115/230 V (selectable)
PS8-300ATX-ZBE (ATX, PFC)	300 W	AC 100 ~ 240 V (full-range)
RPS-300ATX-ZE (ATX, PFC) (1+1 redundant)	300 W	AC 100~240 V (full-range)

IPC-623

4U 20-Slot Rackmount Chassis with Multi-System and Front-Accessible Redundant Power Supply



Features

- 4U rackmount chassis supports up to 4 multi-systems
- Front-accessible redundant power supply
- Shockproof disk drive bay design can hold up to three front-accessible 5.25" and one 3.5" disk drives, and one internal 3.5" HDD
- Three 12 cm / 114 CFM ball-bearing cooling fans
- Front LEDs and audible alarm notifications for system power status, fan operation, HDD status, and in-chassis temperature monitoring
- Dual top cover designed for easy maintenance
- Five easily replaceable air filters provide good airflow
- Redundant power supplies are all with dual AC inputs



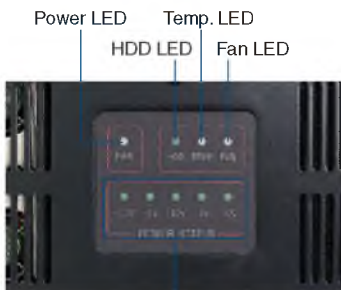
Specifications

		Front-accessible	
		Internal	Internal
Drive Bay	3.5"	1	1
	5.25"	3	-
Cooling	Fan	3 (12 cm / 114 CFM each)	
	Air Filter	4 (200 x 45 mm) + 1 (128 x 95 mm)	
Miscellaneous	LED Indicators	Power, HDD, fan, temperature, and power voltage status	
	Control	Power switch, system reset (reserve 3 more for quad-system) and alarm reset buttons	
	Hold-down Clamp	Hold-down clamp with rubber pad underneath and accessory rubber cushions	
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 ms duration, half sine wave)	30 G
Physical Characteristics	Dimensions (W x H x D)	482 x 177 x 657 mm (19" x 7" x 26")	
	Weight	26 kg (57 lb)	

Up to four system reset buttons
One 3.5" drive bay
Three 5.25" disk drive bays



Hot-swappable redundant power supply
Power button
Alarm reset button



Power voltage status

Hold-down clamp with rubber pads underneath



Three 114 CFM hot-swappable fans



Dual AC power cords for 460 W / 570 W / 810 W redundant power supply

Single power supply



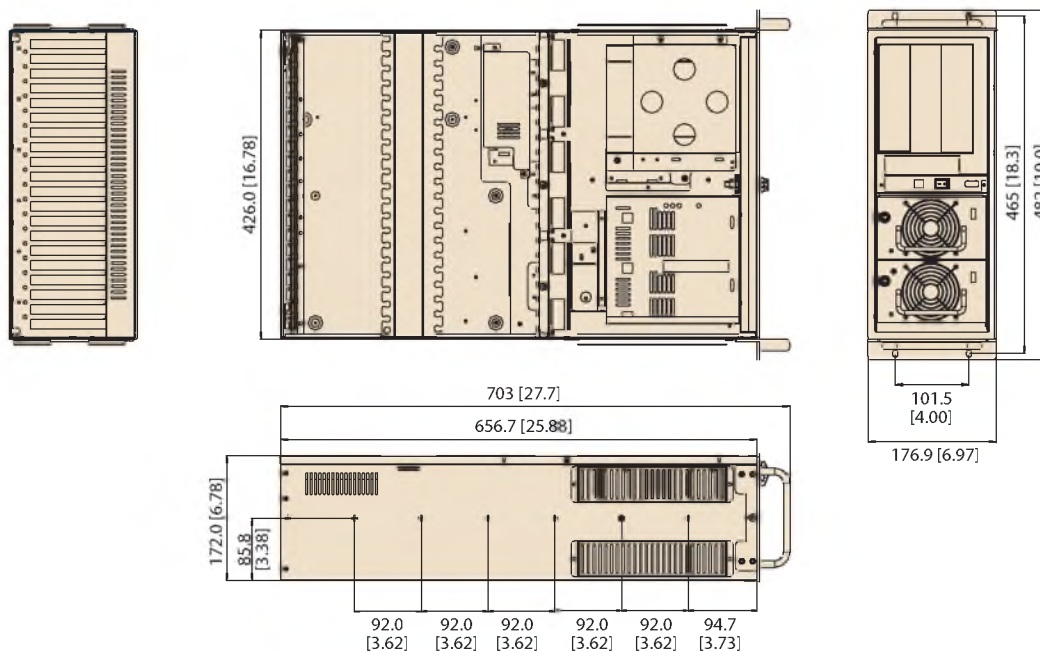
Extra drive bay which can hold up to three 3.5" HDDs



Front panel appearance while with single power supply configuration

Dimensions

Unit: mm [inch]



Ordering Information

Part Number	Power Supply
IPC-623BP-00XBE	Barebone chassis for 500W single P/S
IPC-623BP-00RBE	Barebone chassis for 460 W / 570 W / 810 W RPS, with ATX switch

Power Supply Options

(For detailed power supply specs, please refer to Chapter 6)

Part Number	Specifications	
	Watts	Input
1757000133G (single P/S)	500 W (ATX, PFC)	AC 115 ~ 240 V (full range)
1757001760 (1+1 redundant)	460 W (ATX, PFC)	AC 100 ~ 240 V (full range)
1757001761 (2+1 redundant)	570 W (ATX, PFC)	AC 115 ~ 230 V (full range)
1757001677 (3+1 redundant)	810 W (ATX, PFC)	AC 115 ~ 230 V (full range)

Optional Accessories

Part Number	Description
2130004799S000	Side filter 45 x 200 x 6 mm
2130004800S000	Door filter 130 x 95 x 6 mm
IDT-3120E	Mobile rack for converting a 3.5" drive bay to dual 2.5" SATA HDD trays
IDT-5230E	Mobile rack for converting dual 5.25" drive bays to three 3.5" SAS/SATA HDD trays

ACP-4020

348mm Depth 4U Rackmount Chassis for Half-sized SBC or ATX Motherboard

NEW



Features

- Compact 4U rackmount chassis, with only 348mm depth
- Supports 14-slot BP for half-size SBC or ATX/MicroATX motherboard
- Shock-resistant disk drive bay holds one internal 2.5", and two front-accessible 3.5" drives, plus one slim optical disk drive
- Dual front USB 3.0 ports
- Front-accessible system fan without opening top cover for easy maintenance
- LED indicators and alarm notification for system fault detection
- Smart fan speed control
- Built-in Intelligent System Module enabling whole system fan control and remote manageability

Quiet

CE FCC RoHS

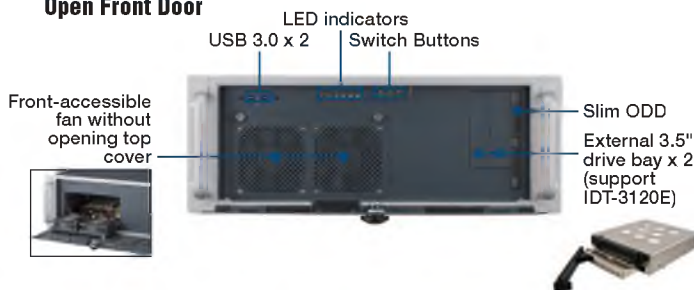
Specifications

		External	Internal
Drive Bay	Slim ODD	1	-
	3.5"	2	-
	2.5"	-	1
Cooling	Fan	2 (9 cm / 53 CFM)	
	Air Filter	Yes	
Front I/O Interface	USB 3.0*	2	
Miscellaneous	LED Indicators	Power, HDD, temperature, fan, LAN1, and LAN2	
	Rear Panel	Backplane version: One 9-pin D-Sub opening Motherboard version: Five 9-pin D-Sub and one 68-pin SCSI openings	
Intelligent System Module Remote Monitoring	CPU/System fan speed , CPU/System temperature , motherboard voltage (Only selected Advantech MBs/CPU cards with SUSIAccess installed can fully enable these functions, check with Advantech local rep. for detailed information.)		
Environment		Operating	Non-Operating
	Temperature	0 ~ 40° C (32 ~ 104° F)	-40 ~ 70° C (-40 ~ 156° F)
	Humidity	10 ~ 95% @ 40° C, non-condensing	10 ~ 95% @ 60° C, non-condensing
	Vibration (5 ~ 500 Hz)	1 Grms	2 G
	Shock	10 G (with 11 ms duration, half sine wave)	
Physical Characteristics	Dimensions (W x H x D)	482 x 177 x 348 mm (19" x 7.0" x 13.7")	
	Weight	8.5 kg (18.7 lb)	

* The USB ports do not operate if a main board without on-board USB 3.0 internal box header is installed.

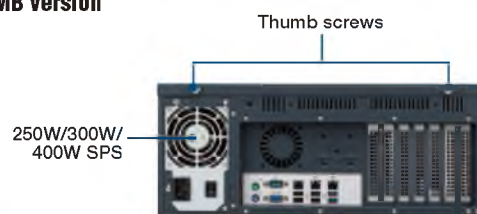
Front View

Open Front Door

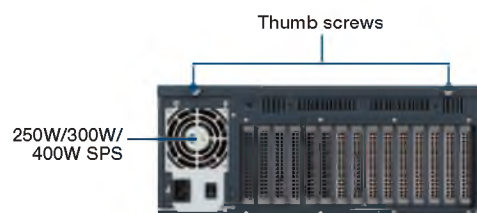


Rear View

MB version



BP version

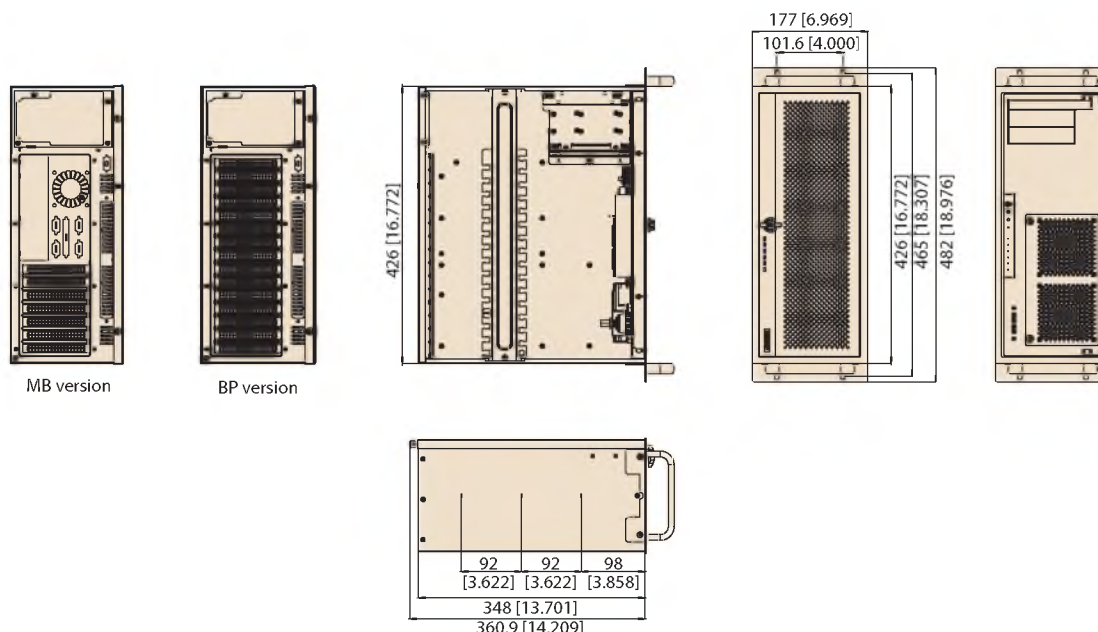


Inside View



Dimensions

Unit: mm [inch]



Ordering Information

Part Number	Description
ACP-4020BP-00XE	Backplane version without power supply
ACP-4020MB-00XE	Motherboard version without power supply

Power Supply Options

Part Number	80 Plus Grade	Wattage	Type	Input
PS8-250ATX-ZE	Bronze	250W	Single	AC 100 ~ 240 V (full range)
PS8-300ATX-ZBE	Bronze	300W	Single	AC 100 ~ 240 V (full range)
PS8-400ATX-ZE	Bronze	400W	Single	AC 100 ~ 240 V (full range)

Optional Accessories

Part Number	Description
IDT-3120E	Drive bay module converting 1 3.5" to 2 hot-swap 2.5"
989K008734	Bracket to fix two 2.5" devices in a 3.5" drive bay
9680006905	Slide rail for ACP-4020
96CB-SATAPOWER-6P1	SATA power wire 6-pin to big 4-pin (for slim ODD)

Supported CPU Cards

Part Number	Description
PCE-3028G2-00A1E	PICMG 1.3 half-sized SBC w/ 4th Gen. Core i CPU, front USB 3.0
PCE-4128G2-00A1E	PICMG 1.3 half-sized SBC w/ Xeon E3-12XX v3 CPU, front USB 3.0

Supported Backplanes

Part Number	Description
PCE-3B12-08	PICMG 1.3 BP with 1 PCIe x 16, 2 PCIe x 1, 8 PCI slots (for PCE-3028 & PCE-4128)
PCE-4B13-08	PICMG 1.3 BP with 2 PCIe x 8, 2 PCIe x 1, 8 PCI slots (only for PCE-4128)

Spare Parts

Part Number	Description
1990021256T000	Door filter

ACP-4340

4U Rackmount Chassis for Full-size SHB/SBC or ATX/MicroATX Motherboard with 4 Hot Swap Drive Trays

NEW



Features

- Supports a PICMG backplane with up to 14 slots or an ATX/Micro-ATX motherboard
- Shock-resistant disk drive bay holds four hot-swap 3.5" and 2.5" SAS/SATA disk trays, one slim optical disk drive, and one 2.5" internal drive
- Dual front USB 3.0 ports
- Front-accessible system fan without opening top cover for easy maintenance
- LED indicators and alarm notification for system fault detection
- Smart fan speed control
- Built-in Intelligent System Module enabling whole system fan control and remote manageability

Quiet

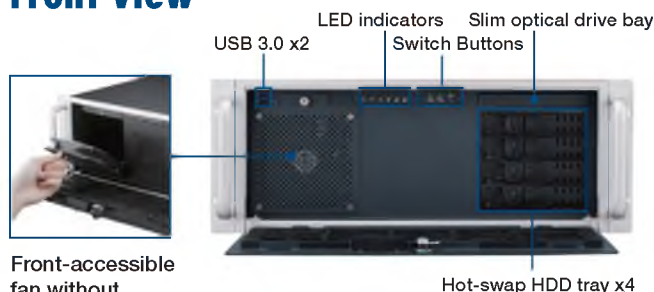
CE FCC RoHS

Specifications

		External	Internal
Drive Bay	Slim Optical Drive Bay	1	-
	3.5" Drive Bay	-	-
	2.5" Drive Bay	-	1
	Hot Swap	4	-
Cooling	Fan	1 (12 cm /74 CFM) + 1 (8 cm/56 CFM) for SAS/SATA storage unit	
	Air Filter	Yes	
Front I/O Interface	USB 3.0*	2	
Miscellaneous	LED Indicators	Power, HDD, temperature, fan, LAN1, and LAN2	
	Rear Panel	Backplane version: One 9-pin D-Sub opening Motherboard version: Five 9-pin D-Sub and one 68-pin SCSI openings	
Intelligent System Module Remote Monitoring	CPU/System fan speed , CPU/System temperature , motherboard voltage (Only selected Advantech MBs/CPU cards with SUSIAccess installed can fully enable these functions, check with Advantech local rep. for detailed information.)		
Environment		Operating	Non-Operating
	Temperature	0 ~ 40° C (32 ~ 104° F)	-40 ~ 70° C (-40 ~ 156° F)
	Humidity	10 ~ 95% @ 40° C, non-condensing	10 ~ 95% @ 60° C, non-condensing
	Vibration (5 ~ 500 Hz)	1 Grms	2 G
	Shock	10 G (with 11 ms duration, half sine wave)	
Physical Characteristics	Dimensions (W x H x D)	482 x 177 x 478 mm (19" x 7.0" x 18.8")	
	Weight	12.5 kg (27.5 lb)	

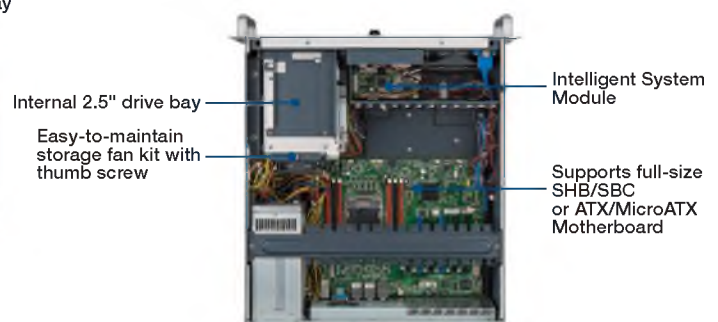
* The USB ports do not operate normally if a main board with USB 2.0 internal connector only is installed.

Front View



Front-accessible fan without opening top cover

Inside View



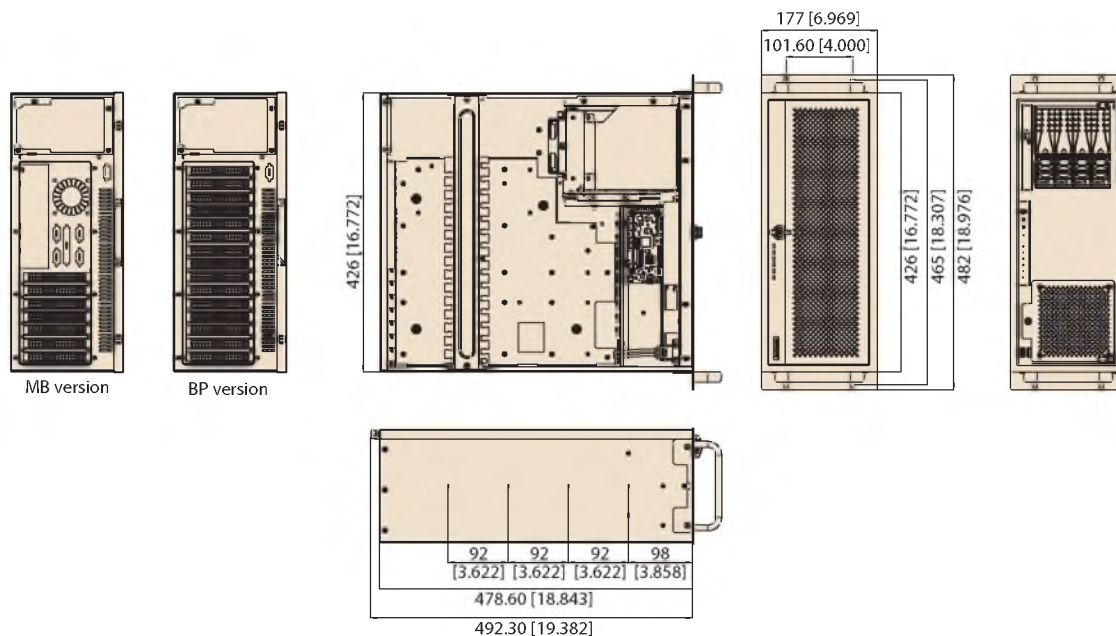
Rear View



*Note: Backplane, SBC, motherboard, and power supply are not included.

Dimensions

Unit: mm [inch]



Ordering Information

Part Number	Description
Backplane Version	
ACP-4340BP-00XE	Without PSU, with ATX switch
Motherboard Version	
ACP-4340MB-00XE	Without PSU, with ATX switch

Power Supply Options

Part Number	80 Plus Grade	Watts	Type	Input
PS8-400ATX-ZE	Bronze	400W	Single	AC 100 – 240 V (full range)
PS8-500ATX-ZE	Bronze	500W	Single	AC 100 – 240 V (full range)
PS8-700ATX-ZE	Bronze	700W	Single	AC 100 – 240 V (full range)
RPS8-500ATX-XE	Bronze	500W	1+1 Redundant	AC 100 – 240 V (full range)

Optional Accessories

Part Number	Description
96CB-SATAPOWER-6P1	SATA power wire 6-pin to big 4-pin (for slim ODD)

Spare Parts

Part Number	Description
9662132020E	Black mobile HDD tray
1990021256T000	Door filter

ACP-1320/1320MB

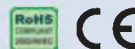
1U Rackmount Chassis for Full-Size SBC/Motherboard with Dual SAS/SATA HDD Trays

NEW



Features

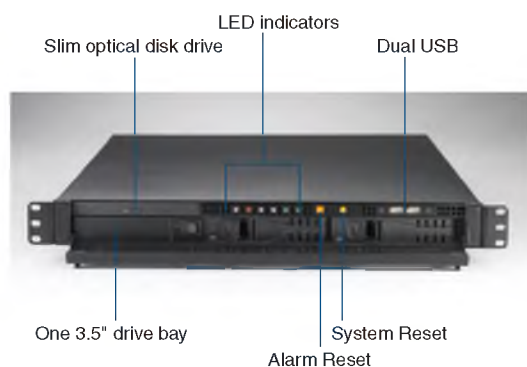
- Space-saving 1U rackmount chassis, ideal building block for business expansion
- Supports ATX/MicroATX motherboard and PICMG full-size SBC
- LED indicators for LAN connectivity, alarm notification of power supply, HDD activity, system fan, and in-chassis temperature
- Supports dual front-accessible SAS/SATA HDDs
- Supports one add-on card with optional riser card
- Supports both 250 W/300 W ATX/PFC power supply
- Efficient cooling design prevents the system from over-heating



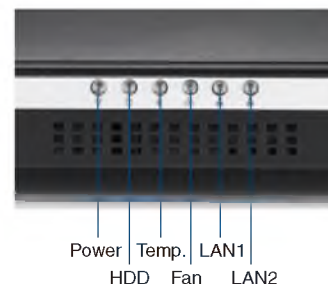
Specifications

Drive Bay	Slim Optical Disk Drive 3.5"	Front-accessible
		1
Cooling	Fan	2 SAS/SATA HDDs + 1
		4 (4 cm / 24 CFM x 3 + 15 CFM x 1) / 2 (4 cm / 24 CFM each)
Front I/O Interface	USB	2
Miscellaneous	LED Indicators	System: Power, HDD, temperature, fan, LAN1 and LAN2
	Control	Dual SAS/SATA HDD trays: HDD power & HDD activity
	Rear panel	Power switch, system reset and alarm reset button
Environment	Temperature	Operating
		Non-Operating
Environment	Humidity	0 ~ 40° C (32 ~ 104° F)
		-20 ~ 60° C (-4 ~ 140° F)
Environment	Vibration (5 ~ 500 Hz)	10 ~ 85 % @ 40° C, non-condensing
		10 ~ 95 % @ 40° C, non-condensing
Physical Characteristics	Dimensions (W x H x D)	0.5 Grms
		2 G
Physical Characteristics	Weight	10 G (with 11 ms duration, half sine wave)
		30 G
Physical Characteristics	Weight	480 x 44 x 620 mm (19" x 1.7" x 24.3")
		8.8 kg (19.4 lb)

* This chassis supports up to Intel Pentium 4 84 W, Core 2 Duo and Core 2 Quad 95 W processors.



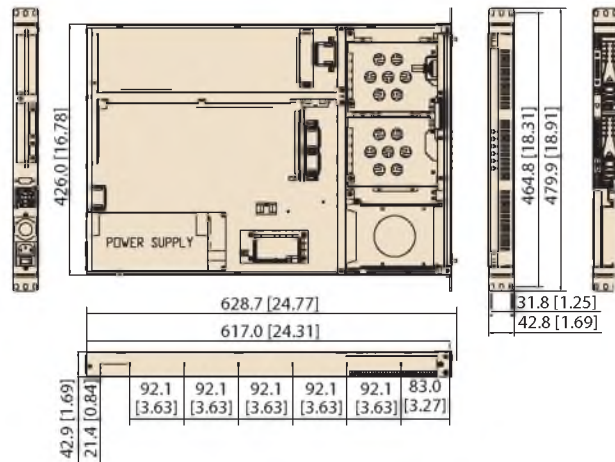
Dual front-accessible SAS/SATA HDD trays



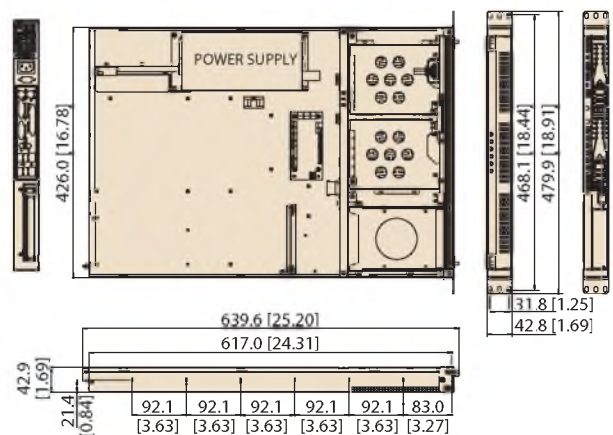
Dimensions

Unit: mm (inch)

ACP-1320



ACP-1320MB



Power Supply

Part Name	Watts	Input	Output	Specifications		
				Mini-load	Safety	MTBF
BP: 1757001797 MB: 1757001457 (ATX, PFC)	250 W	AC 100 – 240 V (full-range)	+5 V @ 23 A, +3.3 V @ 14 A +12 V @ 16 A, -12 V @ 0.5 A -5 V @ 0.2 A, +5 Vsb @ 2 A	+5 V @ 3 A, +12 V @ 2 A -5 V @ 0 A, -12 V @ 0.1 A +3.3 V @ 1 A, +5 Vsb @ 0.1 A	CE/UL/TUV/CB/CCC	114,000 hours @ 25° C
BP: 1757000160G MB: 1757000263 (ATX, PFC)	300 W	AC 100 – 240 V (full-range)	+5 V @ 25 A, +3.3 V @ 14 A +12 V @ 16 A, -12 V @ 1 A -5 V @ 0.5 A, +5 Vsb @ 2 A	+5 V @ 3 A, +12 V @ 2 A -5 V @ 0.05 A, -12 V @ 0.05 A +3.3 V @ 1 A, +5 Vsb @ 0.1 A	CE/UL/TUV/CB/CCC	100,000 hours @ 25° C

Accessories

Part Name	Description
9686000089	40-pin IDE transfer daughter board for slim ODD
1960013266T000	1U LGA775 CPU cooler (supports up to 84 W)
1750000348	1U mobile CPU cooler supports up to 35 W
1750000432	1U socket 478 CPU cooler (supports up to 70 W)
96SDVR-8X-ST-SN-B	Black slim SATA 8X DVD-RW ROM
96CB-SATAPOWER-6P	SATA power wire 6-pin to big 4-pin
96FDD-144-TE-B1	Black 3.5" FDD (EoL in Dec. 2009)
9662132000E	Black 3.5" mobile HDD tray

Ordering Information

Model Name	Power Supply	Motherboard / Backplane	Regulation
ACP-1320BP-00XE	-	-	-
ACP-1320BP-30ZE	-	-	CE
ACP-1320MB0-00XE	-	-	-
ACP-1320MB0-30ZE	1757000263	-	CE

*ACP-1320MB does not support AIMB-763, 542, 562, 564 & 566 (with DVI port) because the height of the audio connector is over 1U.

Riser Card Options

Part Name	Interface	Expansion Slot	Motherboard
AIMB-R4104-01A1E	PCIe x4	One PCIe x4	AIMB-762/764/554/556
AIMB-RP10P-01A1E	PCI	One PCI	AIMB-742/744/750/766/552/560

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