ACP-4320

Quiet 4U Rackmount Chassis with Dual Hot-Swap SAS/SATA HDD Trays

Quiet CE FCC RoHS COMPLIANT 2002/95/EC

Features

- Supports either an ATX motherboard or a PICMG backplane with up to 15 slots
- Support dual SAS/SATA hot-swap HDD trays
- LED indicators and alarm notification for system fault detection
- Low noise system fans
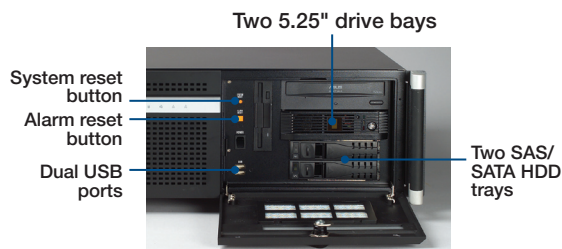- Built-in Intelligent System Module enabling whole system fan control and remote manageability

Specifications

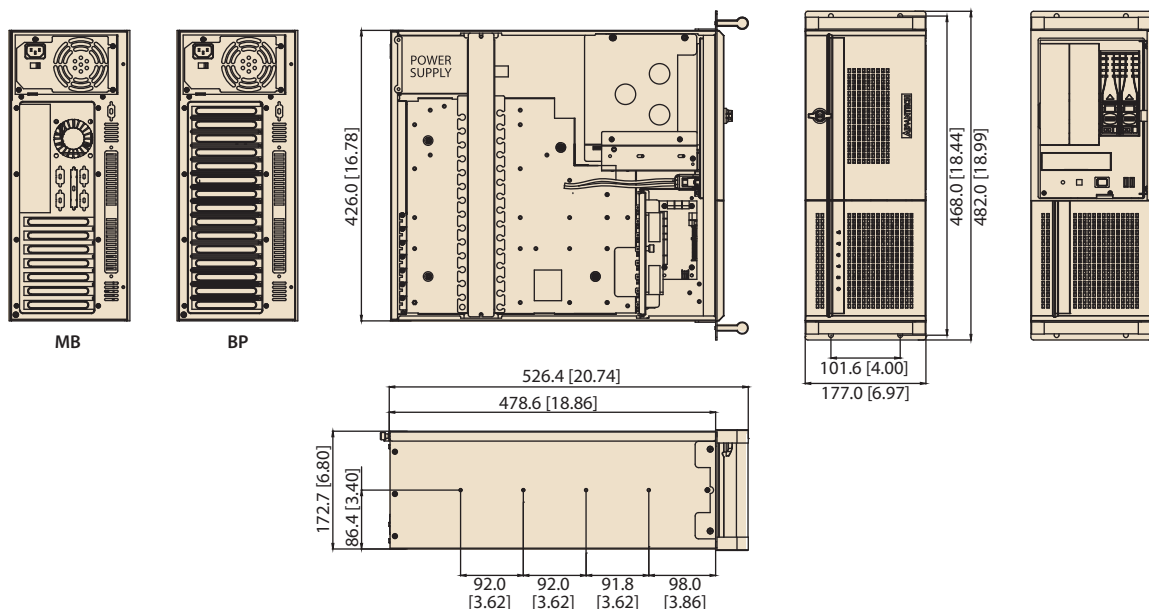|		External	Internal
Driver Bay	5.25"	2	-
	3.5"	1 SAS/SATA Tray	-
	Hot Swap	2 (compatible with 3.5" or 2.5" devices)	
Cooling	Fan	1(12 cm/74 CFM) + 1 (6cm / 28 CFM)	
	Air Filter	Yes	
	Smart Fan	System fan speed referring to chassis thermal sensor, or CPU temperature (Available with selected Advantech MBs/CPU cards)	
Front I/O Interface	USB 2.0	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 opening and one 68-pin SCSI opening	
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)	- 20 ~ 60° C (-4 ~ 140° F)
	Humidity	10 ~ 85% @ 40° C , non-condensing	10 ~ 95% @ 40° C, non-condensing
	Vibtration (5 ~ 500 Hz)	1 Grms	2 G
	Shock	10G (with 11 ms duration, half sine wave)	30 G
Physical Characterisitics	Dimension (W x H X D)	482 x 177 x 479 mm (19" x 7.0" x 18.9")	
	Weight	17.6 kg (38.7lb)	

Front View

Two 5.25" drive bays

System reset button

Alarm reset button

Dual USB ports

Two SAS/ SATA HDD trays

Inside View

Easy-to-maintain system fan

Dimensions

Unit: mm [inch]

MB   BP

426.0 [16.78]

526.4 [20.74]
478.6 [18.86]
172.7 [6.80]
86.4 [3.40]

92.0 [3.62]   92.0 [3.62]   91.8 [3.62]   98.0 [3.86]

POWER SUPPLY

468.0 [18.44]
482.0 [18.99]
101.6 [4.00]
177.0 [6.97]

Ordering Information

Model Name	Description
ACP-4320BP-00BE	Full-sized PICMG 1.0/1.3 BP version, without PSU
ACP-4320MB-00BE	MB version, without PSU
ACP-4320BP-40BE	Full-sized PICMG 1.0/1.3 BP version, with 400W PSU
ACP-4320MB-40BE	MB version, with 400W PSU

Power Supply Options

Part Number	80 Plus Grade	Wattage	Type	Input
PS8-300ATX-ZBE	Bronze	300W	Single	AC 100 ~ 240 V (full range)
PS8-400ATX-ZE	Bronze	400W	Single	AC 100 ~ 240 V (full range)
PS8-500ATX-ZE	Bronze	500W	Single	AC 100 ~ 240 V (full range)
RPS8-350ATX-XE	Gold	350W	1+1 Redundant	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
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
1700007351	M Cable SATA 7P/SATA 7P 40CM C=R 90/180

When choose ASMB-781, ASMB-782, ASMB-820, ASMB-823 for system mother board, 2pcs right-angle SATA cable (PN: 1700007351) are necessary for hot-swap driver bay.

Spare Parts

Part Number	Description
1990001299	Fan filter 95 x 130 mm
1990001298	Door filter 150 x 68 mm