ACP-4320

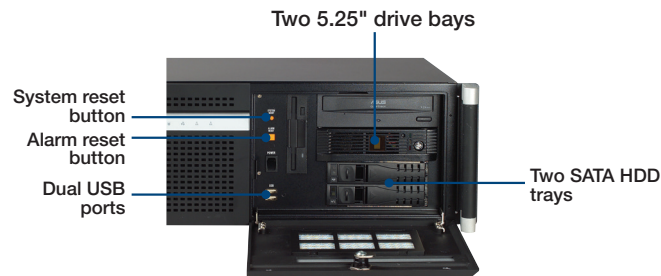## Quiet 4U Rackmount Chassis with Dual Hot-Swap SATA HDD Trays

Features

- Supports either an ATX motherboard or a PICMG backplane with up to 15 slots
- Supports dual 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

Quiet

CE FCC

Specifications

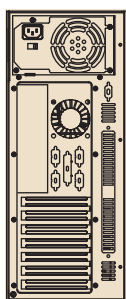|		External	Internal
Driver Bay	5.25"	2	-
	3.5"	1 SATA Tray	-
	Hot Swap	2 (compatible with 3.5" or 2.5" devices)	
Cooling	Fan	1(12 cm/82 CFM) + 1 (6cm / 28 CFM)	
	Air Filter	Yes	
	Smart Fan	System fan speed referring to chassis thermal sensor, or CPU temperature (Available with selected Advantech MBs/CPU 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 25-pin D-sub opening	
Intelligent System Module Hardware Monitoring		CPU/System fan speed, CPU/system temperature (Only Advantech AIMB-78X, PCE-51XX/71XX mainboards can enable CPU fan speed and temperature monitoring function of Intelligent System Module)	
		Operating	Non-Operating
Environment	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	
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 SATA HDD trays

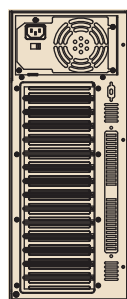## Inside View

Easy-to-maintain system fan

ADVANTECH Industrial Chassis

Dimensions

Unit: mm [inch]

MB version

BP version

POWER SUPPLY

426.0 [16.78]

468.0 [18.44]

482.0 [18.99]

101.6 [4.00]

177.0 [6.97]

526.4 [20.74]

478.6 [18.86]

172.7 [6.80]

86.4 [3.40]

92.0 [3.62]

92.0 [3.62]

92.0 [3.62]

98.0 [3.86]
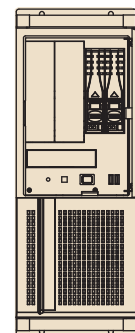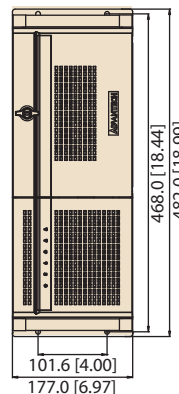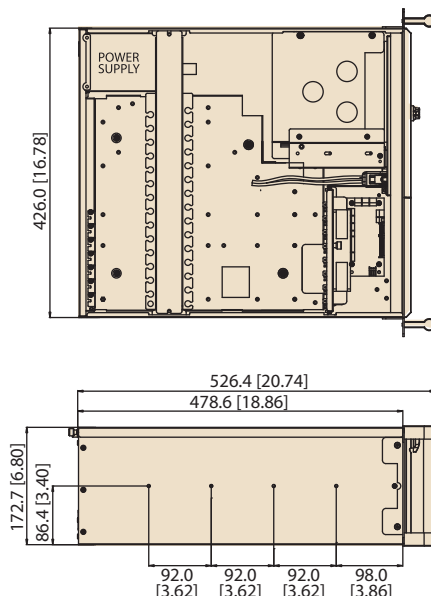
Ordering Information

Part number	Description
Backplane version	
ACP-4320BP-00C	W/O PSU with ATX switch
Motherboard version	
ACP-4320MB-00C	W/O PSU with ATX switch
ACP-4320MB-50C	W/PS8-500ATX-BB

Power Supply Options

(For detailed power supply specs, please refer to Chapter 13)

Part Number	80 Plus Grade	Wattage	Type	Input
PS8-300ATX-ZBE	Bronze	300W	Single	AC 100 ~ 240 V (full range)
PS8-500ATX-BB	Bronze	500W	Single	AC 100 ~ 240 V (full range)
PS8-700ATX-BB	Bronze	700W	Single	AC 100 ~ 240 V (full range)
RPS8-500ATX-GB	Gold	500W	1+1 Redundant	AC 100 ~ 240 V (full range)

Optional Accessories

Part Number	Description
IPC-DT-3120E	Mobile rack for converting a 3.5" drive bay to dual 2.5" SATA HDD trays
IPC-DT-5230E	Mobile rack for converting dual 5.25" drive bays to three 3.5" SATA HDD trays
1700007351	M Cable SATA 7P/SATA 7P 40CM C=R 90/180
1700029268-01	Power cable for GPU card (Two 4-pin 12V connectors to one 6+2 pins PCIe power connector)
1700024754-01	Power cable for GPU card (Two B4P Molex connectors to one 6+2 pins PCIe power connector)

* When choosing ASMB-7 series for system mother board, 2pcs right-angle SATA cable (PN: 1700007351) are necessary for hot-swap driver bay.
* If GPU card with 2 power connectors, please use 1700029268-01*1 + 1700024754-01*1;If GPU card with 1 power connector, please use 1700029268-01.
* Only 500W or higher wattage PSU support 1700029268-01 and 1700024754-01 for high-end GPU card.

Spare Parts

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