ACP-4000

Quiet 4U Rackmount Chassis with Visual & Audible Alarm Notification

PICMG 1.0
PICMG 1.3

Features

- Supports either an ATX motherboard or PICMG backplane with up to 15 slots
- Shock-resistant disk drive bay design holds up to three 5.25" and one 3.5" disk drives
- LED indicators and alarm notification for system fault detection
- Low noise system fans
- Built-in Intelligent System Module enables whole system fan control and remote manageability

Quiet

CE FCC

Specifications

|		External	
Drive Bay	3.5"	1	
	5.25"	3	
Cooling	Fan	2 (12 cm / 85 CFM each)	
	Air Filter	Yes	
Front I/O Interface	USB 2.0	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 25-pin D-Sub 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.)		
		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
	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 479 mm (19" x 7" x 18.9")	
	Weight	15.2 kg (33.5 lb)	

Front View

System reset button
Alarm reset button
USB
PS/2 keyboard connector
Power switch
Three 5.25" drive bays (Devices not included)
One 3.5" drive bay
Two 85 CFM cooling fans
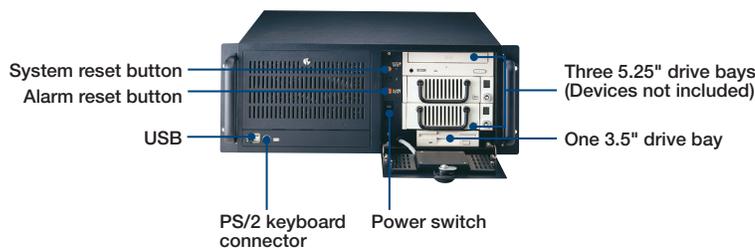
Dimensions

Unit: mm [inch]
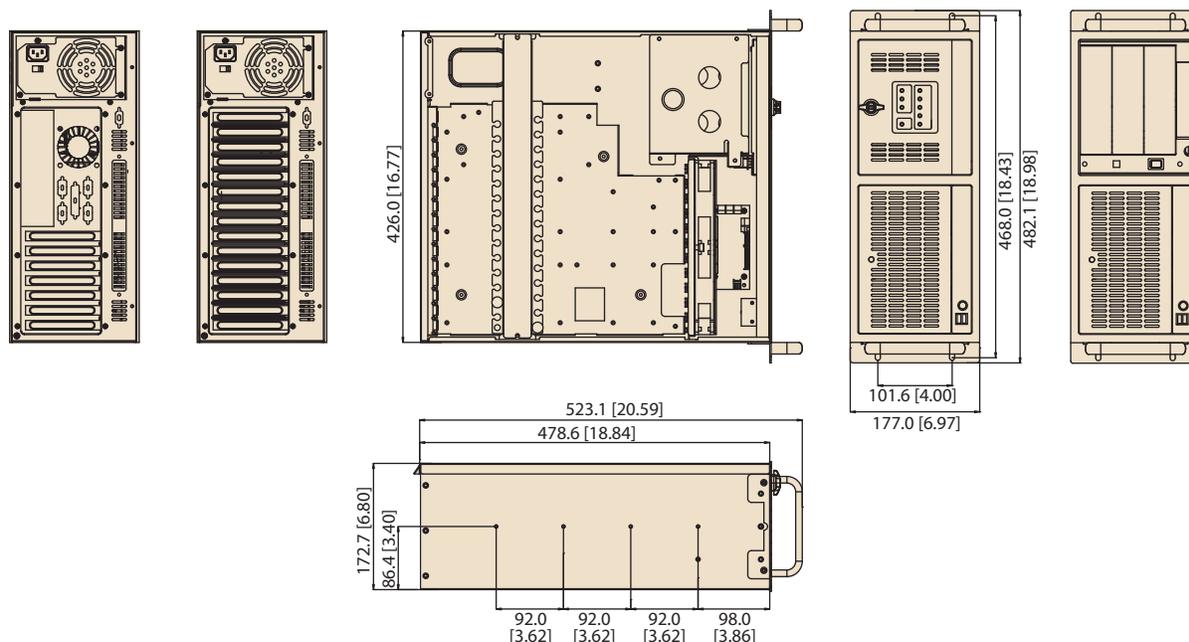
Ordering Information

Part Number	Power Supply	Wattage	Switch type
Backplane Version			
ACP-4000BP-00CE	NA	-	ATX
ACP-4000BP-30CE	PS8-300ATX-ZBE	300W	ATX
ACP-4000BP-40CE	PS8-400ATX-ZE	400W	ATX
ACP-4000BP-50CE	PS8-500ATX-ZE	500W	ATX
Mother board Version			
ACP-4000MB-00CE	NA	-	ATX
ACP-4000MB-30CE	PS8-300ATX-ZBE	300W	ATX
ACP-4000MB-40CE	PS8-400ATX-ZE	400W	ATX
ACP-4000MB-50CE	PS8-500ATX-ZE	500W	ATX

Power Supply Options

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

Part Number	80 Plus Grade	Wattage	Type	Input
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)
PS-300ATX-DC48E	N/A	300W	Single	DC -48 V

Optional Accessories

Part Number	Description
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
IPC-DT-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.

* If users use ASMB-820 or ASMB-822, they need to purchase 1700006915 for the front voltage LEDs to function normally.

Spare Parts

Part Number	Description
2130006147S000	Door filter 97.6 x 36.6 x 5 mm
2130004803S000	Fan filter 115 x 195 x 5 mm