ACP-4000

Quiet 4U Rackmount Chassis with Visual & Audible Alarm Notification

PICMG 1.0
PICMG 1.3

Quiet

CE FCC

RoHS COMPLIANT 2002/95/EC

Features

- Supports either an ATX motherboard or a 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
- Front LED indicators and audible alarm notification for system fault detection
- Low noise system fans with fan speed control
- Built-in Intelligent System Module enables whole system fan control and remote manageability

Specifications

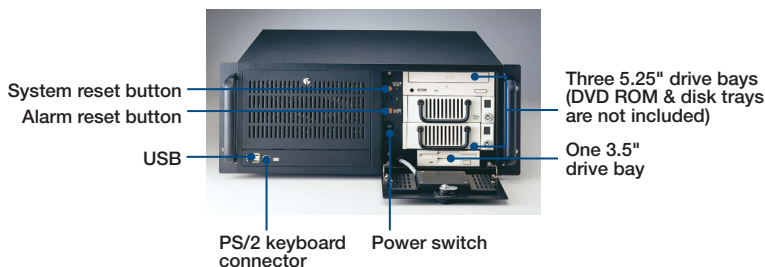|		Front-accessible	
Drive Bay	3.5"	1	
	5.25"	3	
Cooling	Fan	2 (12 cm / 85 CFM each)	
	Air Filter	Yes	
Front I/O Interface	USB	2	
	PS/2	1	
Miscellaneous	LED Indicators	Power, HDD, temperature, fan, and power voltage status	
	Remote Management	Remote monitoring & alarm message [Note 1]: CPU/System fan speed, CPU/System temperature, motherboard voltage Remote control [Note 2]: Power on/off, iKVM Advanced functions [Note 3]: System recovery, system protection	
	Rear Panel	Backplane version: One 9-pin D-Sub opening Motherboard version: Five 9-pin D-Sub & 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 479 mm (19" x 7" x 18.9")	
	Weight	15.2 kg (33.5 lb)	

Note 1: Advantech motherboards with I2C interface H/W monitor and SUSIAccess 2.1.1122 (P/N: 968EMLSAP2) or later version are required to enable full functions.

Note 2: Advantech motherboards with iAMT technology and SUSIAccess 2.1.1122 (P/N: 968EMLSAP2) or later version are required to enable full functions.
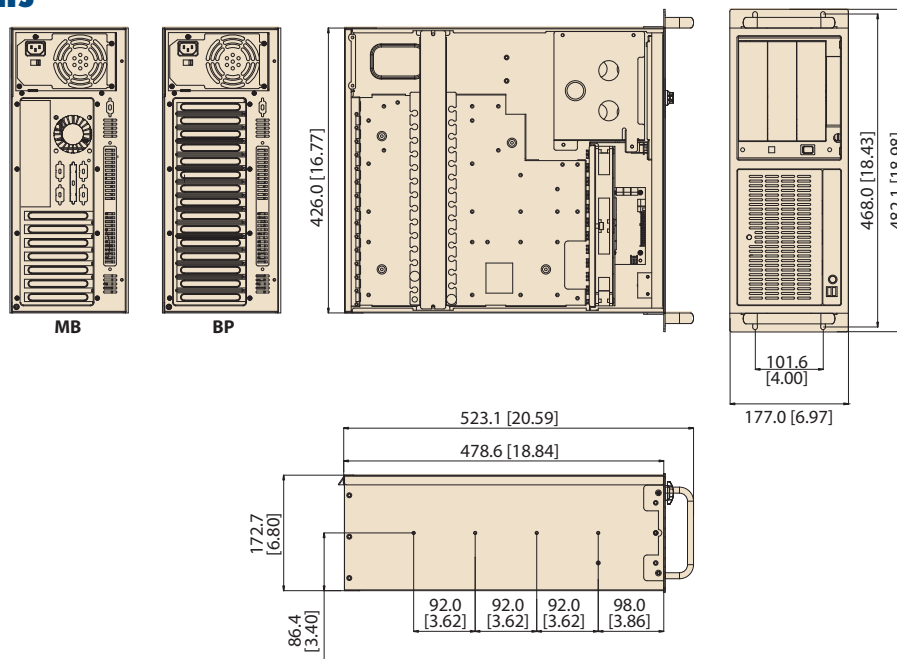
Note 3: SUSIAccess 2.1.1122 (P/N: 968EMLSAP2) or later version is required to enable these functions.

Front View

System reset button
Alarm reset button
USB
PS/2 keyboard connector
Power switch
Three 5.25" drive bays (DVD ROM & disk trays are not included)
One 3.5" drive bay

Two 85 CFM cooling fans

Dimensions

Unit: mm [inch]

MB

BP

426.0 [16.77]

468.0 [18.43]
482.1 [18.98]

101.6 [4.00]

177.0 [6.97]

523.1 [20.59]

478.6 [18.84]

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

Power Supply Options

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

Part Number	Specifications	
	Watts	**Input**
PS8-300ATX-ZBE (ATX, PFC)	300W	AC 100 ~ 240 V (full range)
PS8-400ATX-ZE (ATX, PFC)	400W	AC 100 ~ 240 V (full range)
PS8-500ATX-ZE	500W	AC 100 ~ 240 V (full range)
RPS-300ATX-ZE (ATX, PFC) (1+1 redundant)	300W	AC 100 ~ 240 V (full range)
1757004393-01 (ATX, PFC) (1+1 redundant)	500W	AC 100 ~ 240 V (full range)
PS-300ATX-DC48E (ATX)	300W	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
IDT-3120E and 9892200013E	Mobile rack for converting a 5.25" 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.

* 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