ACP-4000

Quiet 4U Rackmount Chassis with Visual & Audible Alarm Notification
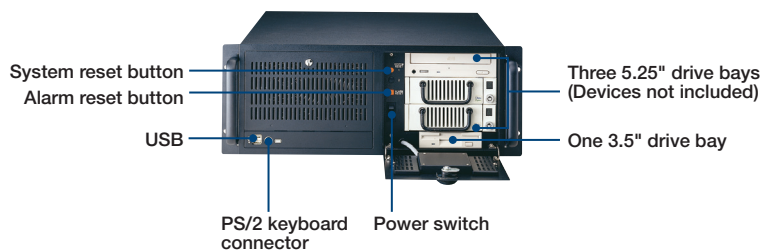
PICMG 1.0

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
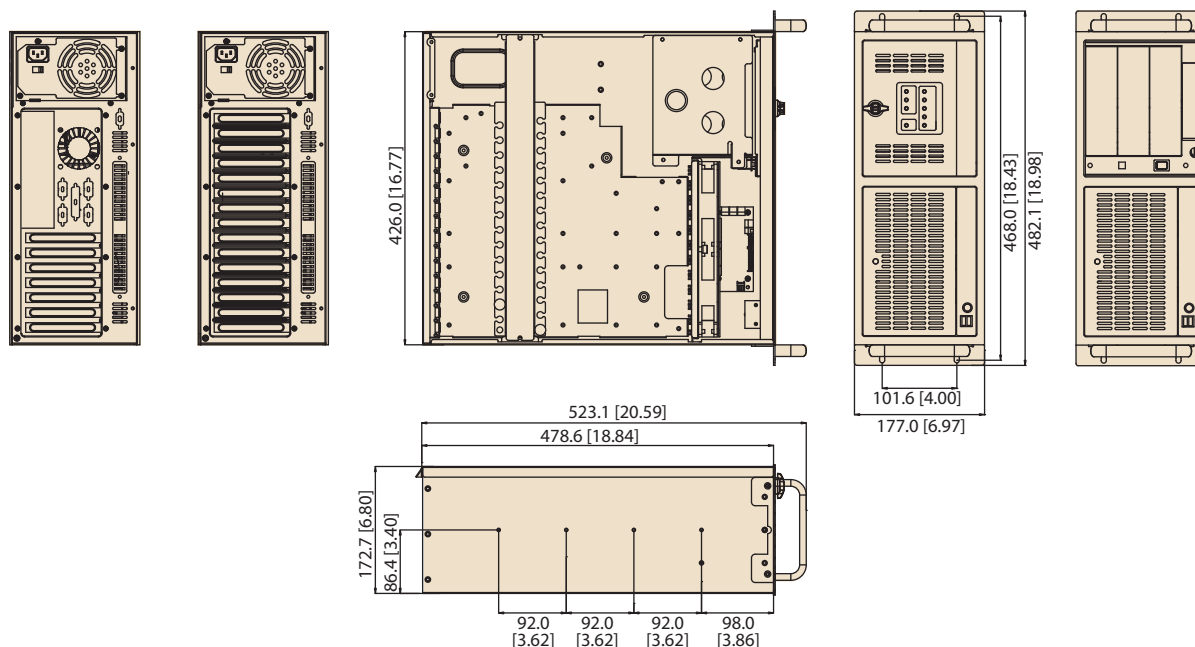
Quiet

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 WISE-PaaS/RMM 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)		
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]

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	Wattage	Switch type
Backplane Version			
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-30CE	PS8-300ATX-ZBE	300W	ATX
ACP-4000MB-40CE	PS8-400ATX-ZE	400W	ATX
ACP-4000MB-50CE	PS8-500ATX-ZE	500W	ATX
ACP-4000MB-50RCE	RPS8-500ATX-XE	500W (1+1) redundant	ATX

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" SATA HDD trays
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)

* 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-822, they need to purchase 1700006915 for the front voltage LEDs to function normally.

* 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
2130006147S000	Door filter 97.6 x 36.6 x 5 mm
2130004803S000	Fan filter 115 x 195 x 5 mm

ACP-4010

Quiet 4U Rackmount Chassis for ATX/CEB/EEB Motherboard or Full-size SHB/SBC with Dual System Support

PICMG 1.0

PICMG 1.3

Features

- Supports either an ATX/CEB/EEB single/dual processors motherboard or a PICMG backplane with up to 15 slots
- Supports one or two systems in a single chassis
- Shock-resistant disk drive bay design holds up to two 5.25" and two 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
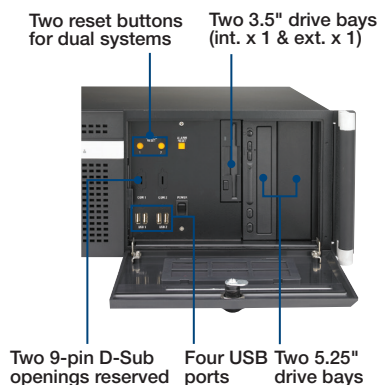
Quiet

CE FCC

Specifications

		External	Internal
Drive Bay	5.25"	2	-
	3.5"	1	1
Cooling	Fan	2 (12 cm /85 CFM each)	
	Air Filter	Yes	
Front I/O Interface	USB 2.0	4	
	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 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 WISE-PaaS/RMM 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
	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 479 mm (19" x 7.0" x 18.9")	
	Weight	16.6 kg (36.5 lb)	

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

*While an EEB motherboard is installed in the chassis, only one 3.5" and two 5.25" disk drive bays are available.
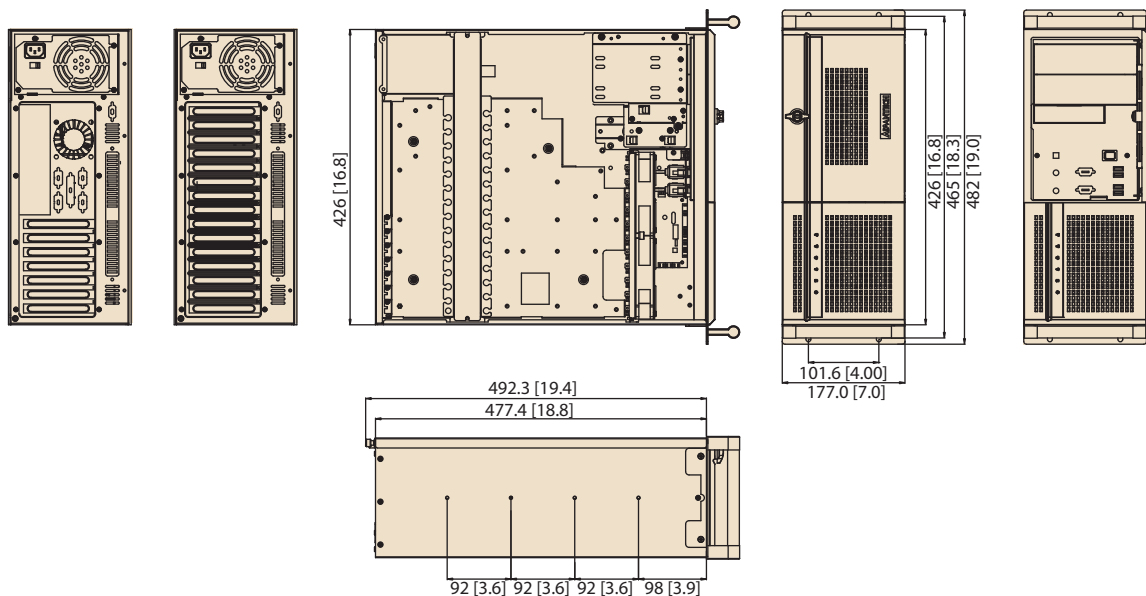
Front View

Two reset buttons for dual systems

Two 3.5" drive bays (int. x 1 & ext. x 1)

Two 9-pin D-Sub openings reserved

Four USB ports

Two 5.25" drive bays

Inside View

Easy-to-maintain dual fans

Last updated: 10-Apr-2019

Dimensions

Unit: mm [inch]

426 [16.8]

426 [16.8]
465 [18.3]
482 [19.0]

101.6 [4.00]
177.0 [7.0]

492.3 [19.4]
477.4 [18.8]

92 [3.6] 92 [3.6] 92 [3.6] 98 [3.9]

Ordering Information

Model Name	Description
Backplane Version	
ACP-4010BP-00BE	Without PSU with ATX switch
Motherboard Version	
ACP-4010MB-00BE	Without PSU with ATX switch

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)
PS8-400ATX-ZE	Bronze	400W	Single	AC 100 ~ 240 V (full range)
PS8-500ATX-ZE	Bronze	500W	Single	AC 100 ~ 240 V (full range)
RPS8-500ATX-XE	Bronze	500W	1+1 Redundant	AC 100 ~ 240 V (full range)
RPS8-750ATX-XE	Gold	750W	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
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)

* 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

ACP-4020

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

Features

- 4U rackmount chassis, only 348 mm 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 Intrusion switch function
- Built-in Intelligent System Module enabling whole system fan control and remote manageability
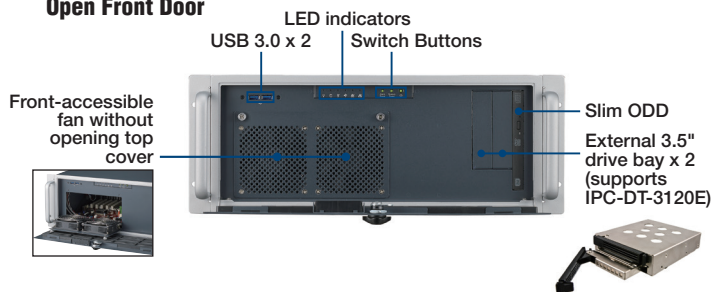
Quiet

C€ FCC

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 25-pin D-Sub openings	
System Monitoring		Chassis intrusion switch	
Intelligent System Module Remote Monitoring		CPU/System fan speed , CPU/System temperature , motherboard voltage (Only selected Advantech MBs/CPU cards with WISE-PaaS/RMM 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
	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)	

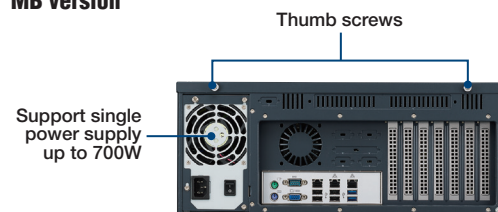The USB 3.0 ports do not operate if the motherboard has no on-board USB 3.0 box header.
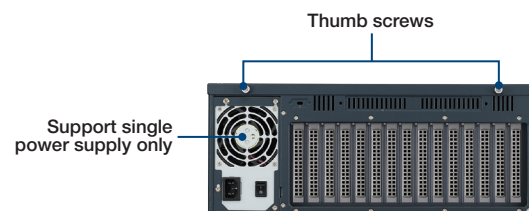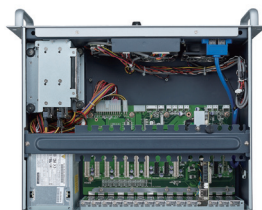
Front View

Open Front Door

USB 3.0 x 2

LED indicators
Switch Buttons

Front-accessible fan without opening top cover

Slim ODD

External 3.5" drive bay x 2 (supports IPC-DT-3120E)

Inside View

Rear View

MB version

Thumb screws

Support single power supply up to 700W

BP version

Thumb screws

Support single power supply only

Last updated: 10-Apr-2019

Dimensions

Unit: mm [inch]

177 [6.969]
101.6 [4.000]

426 [16.772]

426 [16.772]
465 [18.307]
482 [18.976]

MB version

BP version

92 [3.622]   92 [3.622]   98 [3.858]
348 [13.701]
360.9 [14.209]

Ordering Information

Part Number	Power Supply	Wattage	Switch type
Backplane Version			
ACP-4020BP-25ZE	PS8-250ATX-ZE	250W	ATX
ACP-4020BP-30ZE	PS8-300ATX-ZBE	300W	ATX
ACP-4020BP-40ZE	PS8-400ATX-ZE	400W	ATX
Mother board Version			
ACP-4020MB-25ZE	PS8-250ATX-ZE	250W	ATX
ACP-4020MB-30ZE	PS8-300ATX-ZBE	300W	ATX
ACP-4020MB-40ZE	PS8-400ATX-ZE	400W	ATX
ACP-4020MB-70ZE	PS8-700ATX-ZE	700W	ATX

Optional Accessories

Part Number	Description
IPC-DT-3120E	Drive bay module converting 1 3.5" to 2 hot-swap 2.5"
96CB-SATAPOWER-6P2	SATA power wire 6-pin to big 4-pin (for slim ODD)
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)

* 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.
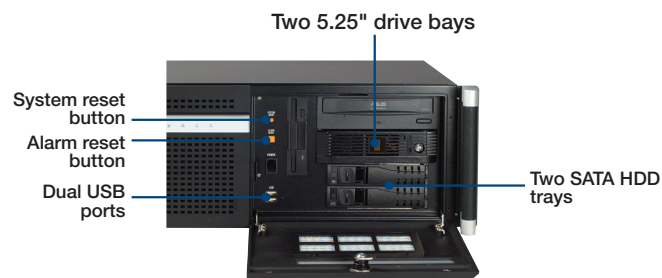
ACP-4320

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/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 25-pin D-sub opening	
Intelligent System Module Remote Monitoring		CPU/System fan speed, CPU/system temperature, motherboard voltage (Only selected Advantech MBs/CPU cards with WISE-PaaS/RMM 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
	Vibtration (5 ~ 500 Hz)	1 Grms	2 G
	Shock	10G (with 11 ms duration, half sine wave)	
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
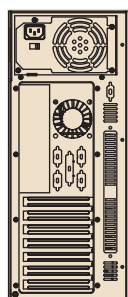
Alarm reset button

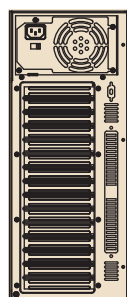Dual USB ports

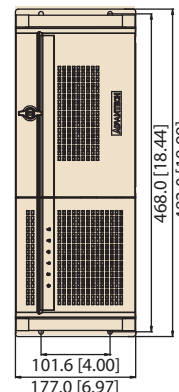Two SATA HDD trays

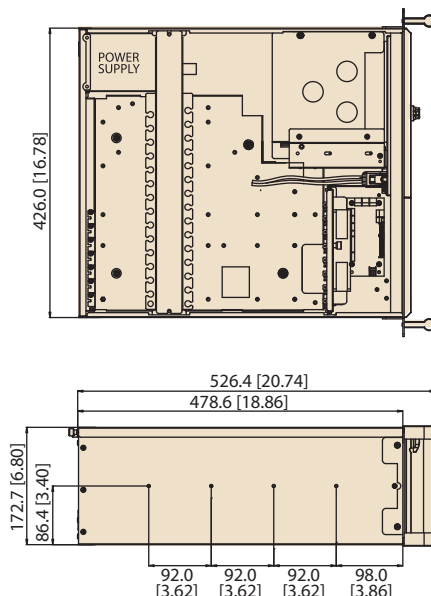## Inside View

Easy-to-maintain system fan

Dimensions

Unit: mm [inch]
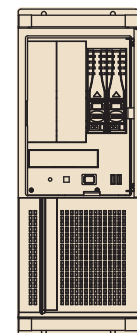
MB version

BP version

426.0 [16.78]

POWER SUPPLY

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	Power supply	Wattage	Switch type
Backplane version			
ACP-4320BP-25BE	PS8-250ATX-ZE	250W	ATX
ACP-4320BP-40BE	PS8-400ATX-ZE	400W	ATX
ACP-4320BP-50BE	PS8-500ATX-ZE	500W	ATX
Motherboard version			
ACP-4320MB-25BE	PS8-250ATX-ZE	250W	ATX
ACP-4320MB-40BE	PS8-400ATX-ZE	400W	ATX
ACP-4320MB-50BE	PS8-500ATX-ZE	500W	ATX

Spare Parts

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

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.

ACP-4340

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" 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 Intrusion switch function
- Built-in Intelligent System Module enabling whole system fan control and remote manageability
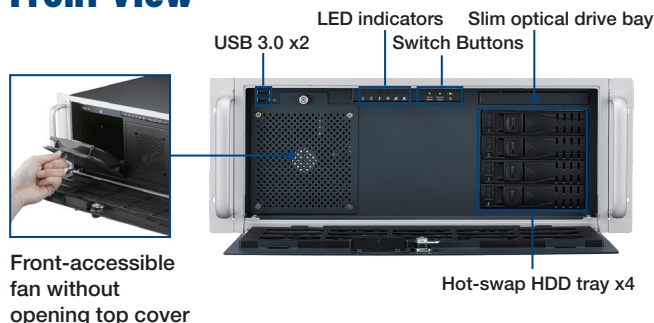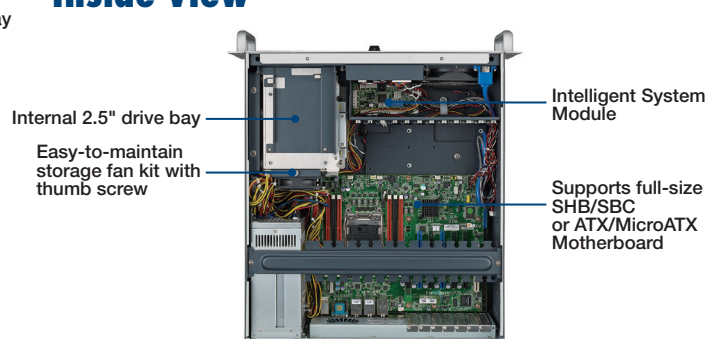
Quiet   CE FCC

Specifications

		External	Internal
Drive Bay	Slim Optical Drive Bay	1	-
	3.5"	-	-
	2.5"	-	1
	Hot Swap	4 (Compatible with 3.5" or 2.5" devices)	-
Cooling	Fan	1 (12 cm /74 CFM) + 1 (8 cm/56 CFM) for 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 25-pin D-Sub openings	
System Monitoring		Chassis intrusion switch	
Intelligent System Module Remote Monitoring		CPU/System fan speed, CPU/system temperature, motherboard voltage (Only selected Advantech MBs/CPU cards with WISE-PaaS/RMM 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)	
Physical Characteristics	Dimensions (W x H x D)	482 x 177 x 479 mm (19" x 7.0" x 18.8")	
	Weight	12.5 kg (27.5 lb)	

The USB 3.0 ports do not operate if the motherboard has no on-board USB 3.0 box header.

Front View

USB 3.0 x2   LED indicators   Slim optical drive bay
              Switch Buttons

Front-accessible fan without opening top cover

Hot-swap HDD tray x4

Inside View

Internal 2.5" drive bay

Easy-to-maintain storage fan kit with thumb screw

Intelligent System Module

Supports full-size SHB/SBC or ATX/MicroATX Motherboard

Rear View

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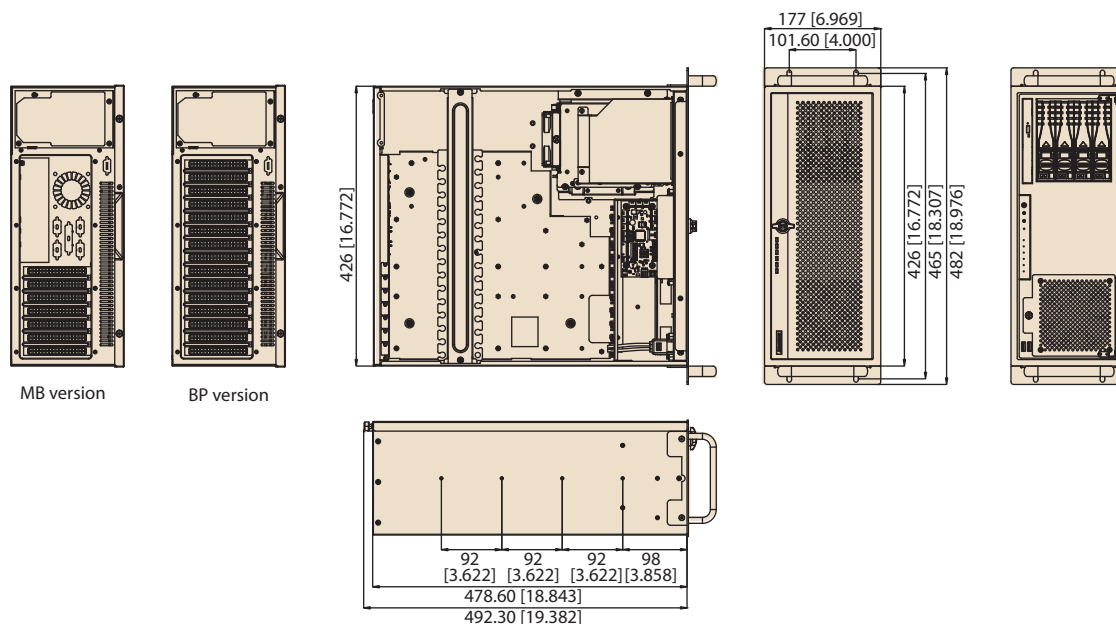
ADVANTECH   **Industrial Chassis**

Dimensions

Unit: mm [inch]

MB version

BP version

177 [6.969]
101.60 [4.000]
426 [16.772]
426 [16.772]
465 [18.307]
482 [18.976]

92 [3.622]   92 [3.622]   92 [3.622]   98 [3.858]
478.60 [18.843]
492.30 [19.382]

Ordering Information

Part Number	Power Supply	Wattage	Switch type
Backplane Version			
ACP-4340BP-40ZE	PS8-400ATX-ZE	400W	ATX
ACP-4340BP-50ZE	PS8-500ATX-ZE	500W	ATX
ACP-4340BP-70ZE	PS8-700ATX-ZE	700W	ATX
ACP-4340BP-50RE	RPS8-500ATX-XE	500W (1+1 Redundant)	ATX
Mother board Version			
ACP-4340MB-40ZE	PS8-400ATX-ZE	400W	ATX
ACP-4340MB-50ZE	PS8-500ATX-ZE	500W	ATX
ACP-4340MB-70ZE	PS8-700ATX-ZE	700W	ATX
ACP-4340MB-50RE	RPS8-500ATX-XE	500W (1+1 Redundant)	ATX

Spare Parts

Part Number	Description
98R2132000E	Black mobile HDD tray
1990021256T000	Door filter

Optional Accessories

Part Number	Description
96CB-SATAPOWER-6P2	SATA power wire 6-pin to big 4-pin (for slim ODD)
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)

* 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.

HPC-8424

4U Storage Chassis for ATX/EATX Serverboard with 24 Hot-swap Drive Bays

NEW

Features

- 4U rackmount chassis supports EATX/ATX/uATX motherboard
- 24-bay hot-swappable 3.5"/2.5" SAS 12Gb/s drives or SATA 6Gb/s drives
- 4 x Hot-swappable NVMe drives supported via an optional riser card
- Supports 2 hot-swappable 2.5" drive bays at the rear
- Supports 80Plus redundant power supply

C E FCC

Specifications

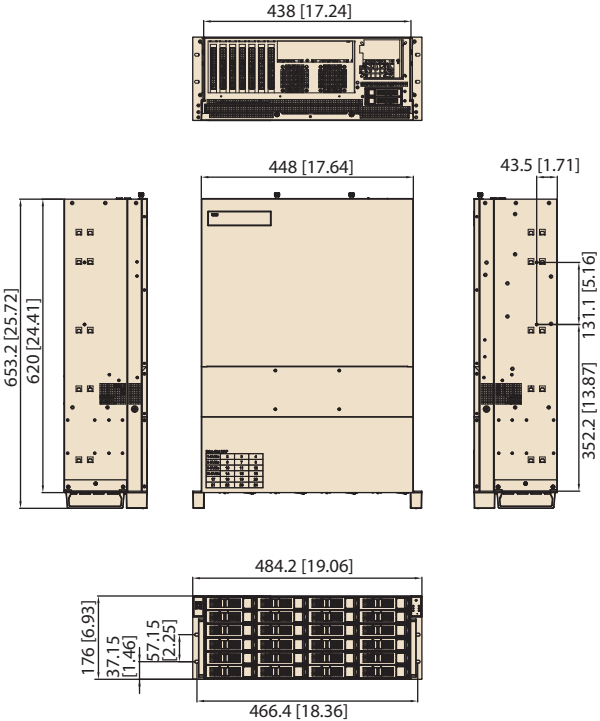|		Front	Rear
Drive Bay	3.5"/2.5"	24 (Hot-Swap)	-
	2.5"	-	2
Cooling	Fan	4 (8 cm)	
	Air Filter	-	
Front I/O Interface	USB	2	
Miscellaneous	LED Indicators	LAN1, LAN2, HDD, Power, and Information LED	
		Operating	Non-Operating
Environment	Temperature	0 ~ 35 °C (32 ~ 95 °F)	-40 ~70 °C (-40 ~158 °F)
	Humidity	10 ~ 95% @ 40 °C, non-condensing	10 ~ 95% @ 60 °C, non-condensing
	Vibration (5 ~ 500 Hz)	0.25 Grms	2 G
	Shock	5 G (with 11 ms duration, half sine wave)	
Physical Characteristics	Dimensions (W x H x D)	438 x 176 x 620 mm (17.24" x 6.93" x 24.41")	
	Weight	31 kg (without hard drivers)	

Front View

Rear View

Dimensions

Unit: mm [inch]

438 [17.24]

448 [17.64]

43.5 [1.71]

653.2 [25.72]
620 [24.41]

131.1 [5.16]

352.2 [13.87]

484.2 [19.06]

176 [6.93]
37.15 [1.46]
57.15 [2.25]

466.4 [18.36]

Ordering Information

Part Number	Chassis Depth	Built-in PSU Configuration	Front HDD Backplane	Rear HDDs (2 x 2.5")	Default Rail Kit	Motherboard Form-factor	Expansion Slots
HPC-8424SE-80RB1	620mm	RPSU 800W	SAS12Gb/s	Hot-Swap	26"	EATX, ATX, uATX	x6* Full Height

Note: one slot will be occupied by an SAS RAID card.

Packing List

Part Number	Description	Quantity
9680017375	26" Slide Rail Kit	1

Optional Accessories

Part Number	Description
9891821221E	PCIe x16 Riser card for 4-port NVMe drives
1700025064-01	Internal SAS cable (12G) SFF8643 to SFF8643, 60cm
ASR-1000K-00A1E	JBOD module

HPC-7400

4U Compact Rackmount / Tower Chassis for EATX/ATX/MicroATX Motherboard

CE FCC

Features

- 4U compact industrial server chassis suitable for space-sensitive applications
- Supports EATX/ATX/MicroATX motherboard
- Shock-resistant 2 x 5.25" (front) + 2 x 3.5" int (rear) and optional 2 x 3.5" int. HDD bays
- Supports 80plus 1U single and 1+1 redundant higher watt power supply
- Front-accessible system fan without opening top cover
- Lockable front door with replaceable air filter prevents unauthorized access

Specifications

		Front-accessible	Internal
Drive Bay	5.25"	2	-
	2.5" / 3.5"	-	2 (rear-accessible)
Cooling	Fan	3 (8 cm / 57 CFM) PWM fans + optional 2 (6cm) rear fans	
	Air Filter	Yes	
Front I/O Interface	USB	2 (USB 3.0)	
Miscellaneous	LED Indicators	Power, HDD, LAN1 & LAN2	
	Control	Power switch and system reset button	
		Operating	Non-Operating
Environment	Temperature	0 ~ 40 °C (32 ~ 104 °F)	-40 ~ 60 °C (-40 ~ 140 °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)	426 x 177 x 448 mm (16.7" x 7.0" x 17.6")	
	Weight	16 kg	

Front View

Rear View

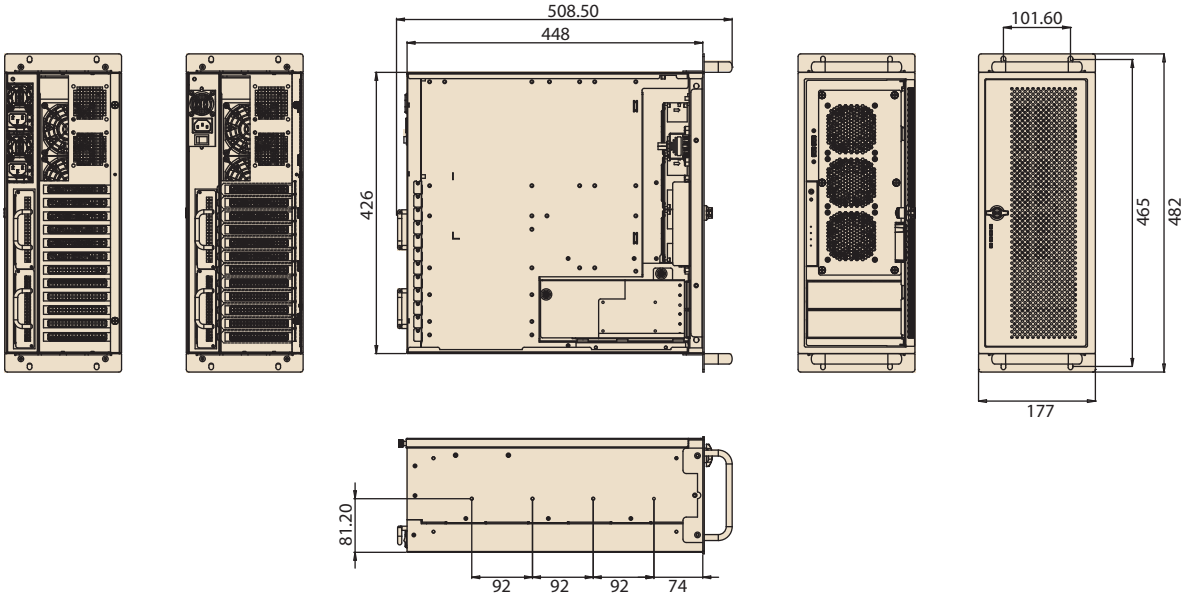
With 700W single power supply

With 1400W redundant power supply

Inside View

Tower View

Last updated: 27-Jun-2018

Dimensions

Unit: mm

508.50
448
426
101.60
465
482
177
81.20
92 92 92 74

Ordering Information

Part Number	Power Supply
HPC-7400MB-70A1E	With single 700W power supply, with ATX switch
HPC-7400MB-14A1E	With redundant 1+1 1400W power supply, with ATX switch

Packing List

| Part Number	Description	Quantity
1990021256T000	Door filter	1
1750008101-01	8cm system fan	3
96PS-A700W1U	1U 700W single power supply, AC 100~240V (full range) (HPC-7400MB-70A1E only)	1
96PSRM-A1K4WMDU	1U 1400W 1+1 redundant power module, AC 100~240V (full range) (HPC-7400MB-14A1E only)	2
96PSR-1U-BKP-F1K4	1400W power distribution board for 96PSRM-A1K4WMDU (HPC-7400MB-14A1E only)	1

Optional Accessories

Part Number	Description
IPC-DT-5230E	Mobile rack for converting dual 5.25" drive bays to three 3.5" SAS/SATA HDD Trays
96RACK-5SS-CAGE-CR	Mobile rack for converting one 5.25" drive bays to four 2.5" SATA/SAS HDD Trays (Max. HDD height :15mm)
9892200013E	Module to convert one 5.25" drive bay to one slim ODD and one internal 3.5" drive bay
9680006905	26" Slide Rail
1700007032	Front dual USB 2.0 cable kit
1750007769-01	8038mm High speed system fan for GPU server solution

Note:

1. HPC-7400 does not support AIMB series motherboards.

2. HPC-7400 does not support add-on cards which need to be connected to additional power cables from the top.

3. HPC-7400 does not support 1960065684N001 due to mechanical limitations.

HPC-7442
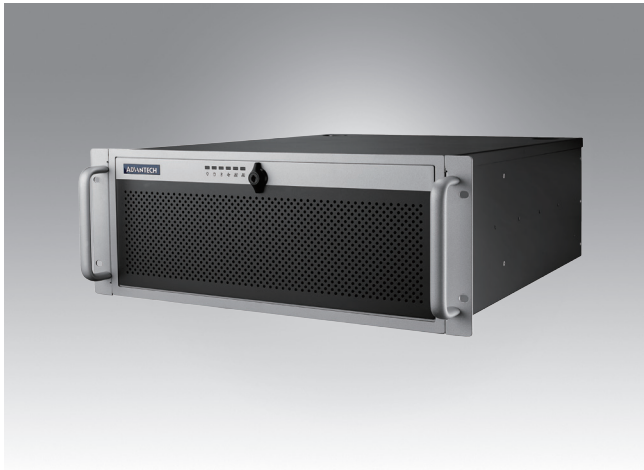
Features

- Supports EATX/ATX/MicroATX motherboard
- Shock-resistant disk drive bay provides four hot-swap 3.5" or 2.5" SAS/SATA disk trays, one slim optical disk drive, and one 3.5" internal drive
- With optional storage upgrade kit installed, system equipped up to eight hot-swap HDD trays for higher storage capacity requirement
- Supports 80plus single and redundant power supply
- Front-accessible system fan without opening top cover for easy maintenance
- LED indicators and alarm notification for system fault detection
- Built-in Intelligent system module enabling whole system fan control and remote manageability
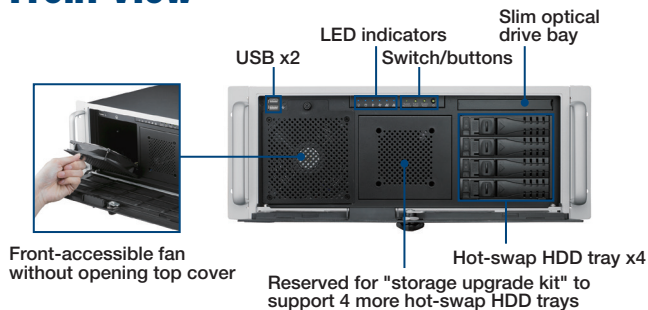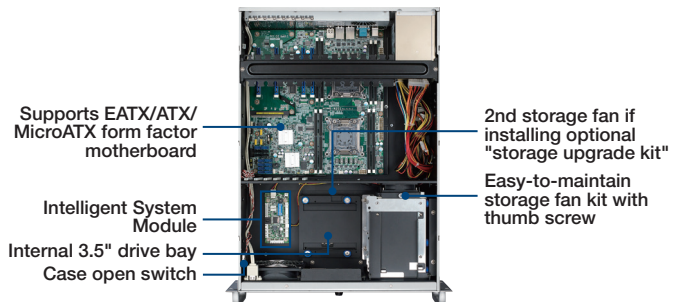
Quiet CE FCC

Specifications

		External	Internal
Drive Bay	Slim Optical Drive	1	-
	3.5"	-	1
	Hot Swap	4 SASII / SATAIII HDDs (support upgrade to 8)	
Cooling	Fan*	1 (12 cm /114 CFM) + 1 (8 cm/55 CFM)	
	Air Filter	Yes	
Front I/O Interface	USB 2.0	2	
Miscellaneous	LED Indicators	Power, HDD, temperature, fan, LAN1, and LAN2	
	Rear Panel	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 an Advantech local rep. for detailed information.)		
		Operating	Non-Operating
Environment	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)	426 x 177 x 600 mm (16.7" x 7.0" x 23.6")	
	Weight	18.5 kg (40.68 lb)	

* While adding the optional "storage upgrade kit", the chassis will support four more front-accessible SAS/SATA drive trays and one more (8cm/55CFM) fan for SAS/SATA drives.
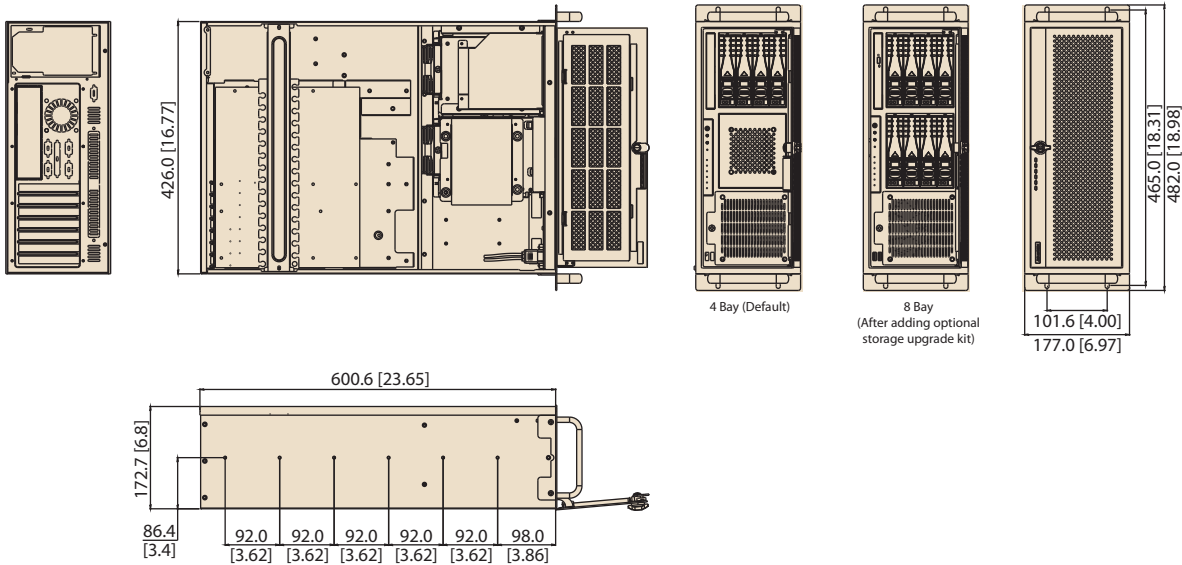
Front View

USB x2
LED indicators
Switch/buttons
Slim optical drive bay

Front-accessible fan without opening top cover

Reserved for "storage upgrade kit" to support 4 more hot-swap HDD trays

Hot-swap HDD tray x4

Inside View

Supports EATX/ATX/MicroATX form factor motherboard

Intelligent System Module

Internal 3.5" drive bay

Case open switch

2nd storage fan if installing optional "storage upgrade kit"

Easy-to-maintain storage fan kit with thumb screw

Upgrade Features

HPC-7442 default SKU (supports 4 hot-swap HDD trays)

+

Storage upgrade kit (optional , 98R2744200E)

=

HPC-7442 8-bay SKU (supports 8 hot-swap HDD trays)

ADVANTECH Server Chassis

All product specifications are subject to change without notice.　　　Last updated: 27-Jun-2018

Dimensions

Unit: mm [inch]

4 Bay (Default)

8 Bay
(After adding optional
storage upgrade kit)

426.0 [16.77]

465.0 [18.31]
482.0 [18.98]

101.6 [4.00]

177.0 [6.97]

600.6 [23.65]

172.7 [6.8]

86.4 [3.4]

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

Ordering Information

Part Number	Description
HPC-7442MB-00XE	Without PSU, with ATX switch

Packing List

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

Power Supply Options

Part Number	80 Plus Grade	Wattage	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)
RPS8-750ATX-XE	Gold	750W	(1+1) Redundant	AC 100 ~ 240 V (full range)

Optional Accessories

Part Number	Description
98R2744200E	Storage Upgrade Kit
96CB-SATAPOWER-6P2	SATA power wire 6-pin to big 4-pin (for slim ODD)
96CB-SAS-SATA-4P1	Mini SAS to 4-port SATA Cable
989K008734	Internal 3.5" to two 2.5" HDD Frame
9680006905	26" Slide Rail

IPC-610-H

4U Rackmount Chassis with Visual Alarm Notification

PICMG 1.0
PICMG 1.3

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
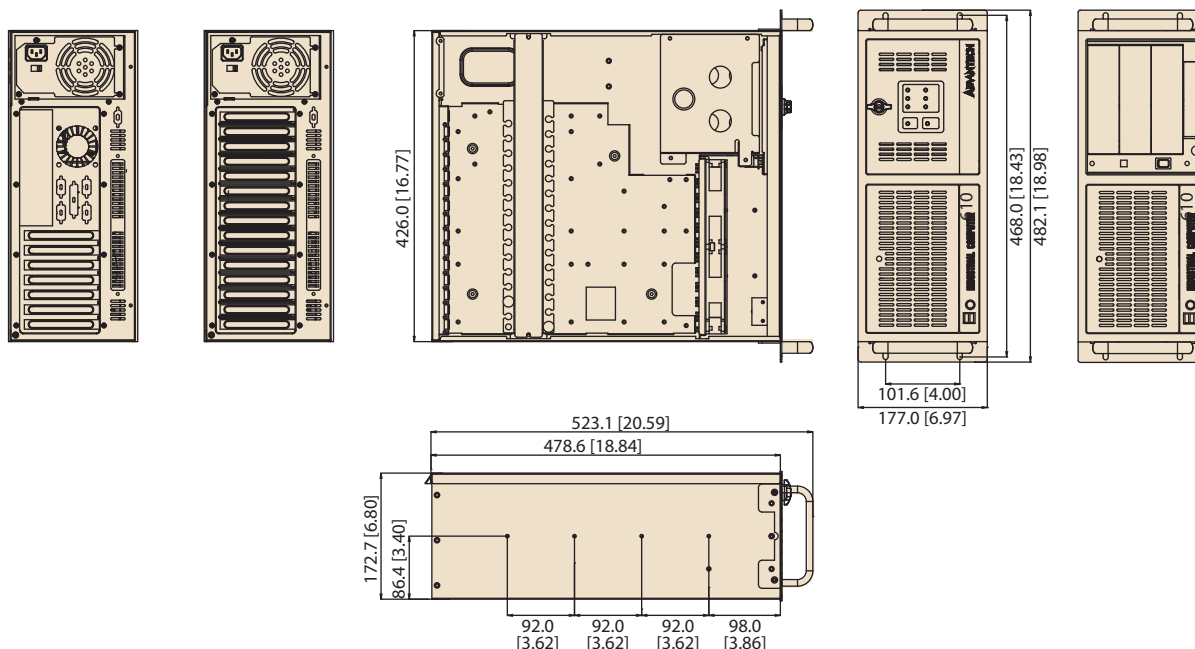- Supports 80 plus single power supply or redundant power supply up to 500W

C E 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	
	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 25-pin D-sub openings	
		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)	
Physical Characteristics	Dimensions (W x H x D)	482 x 177 x 479 mm (19" x 7" x 18.9")	
	Weight	15 kg (33 lb)	

System reset button
Power switch
USB & PS/2

Three 5.25" drive bays (Devices not included)
One 3.5" drive bay

Hold-down clamp

Two easy-to-maintain fans

Dimensions

Unit: mm [inch]

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	Switch Type
Backplane Version		
IPC-610BP-30HBE	PS8-300ATX-ZBE	ATX
IPC-610BP-40HBE	PS8-400ATX-ZE	ATX
IPC-610BP-50HBE	PS8-500ATX-ZE	ATX
Motherboard Version		
IPC-610MB-30HBE	PS8-300ATX-ZBE	ATX
IPC-610MB-40HBE	PS8-400ATX-ZE	ATX
IPC-610MB-50HBE	PS8-500ATX-ZE	ATX

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

Optional Accessories

Part Number	Description
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
IPC-DT-5230E	Mobile rack for converting dual 5.25" drive bays to three 3.5" SATA HDD trays
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)

* 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 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.

IPC-610-L/ IPC-611

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

PICMG 1.0
PICMG 1.3

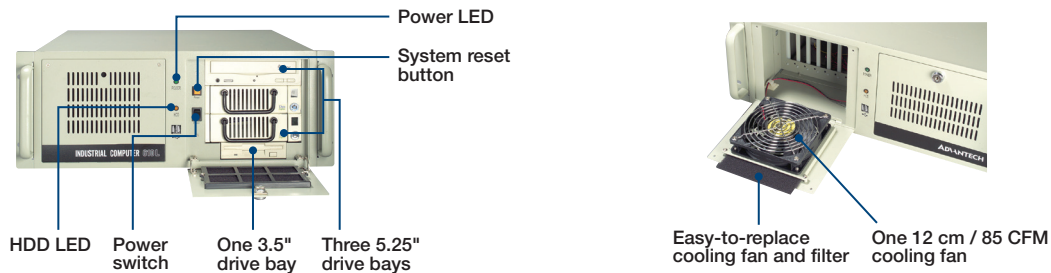IPC-610-L

C E FCC

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

Specifications

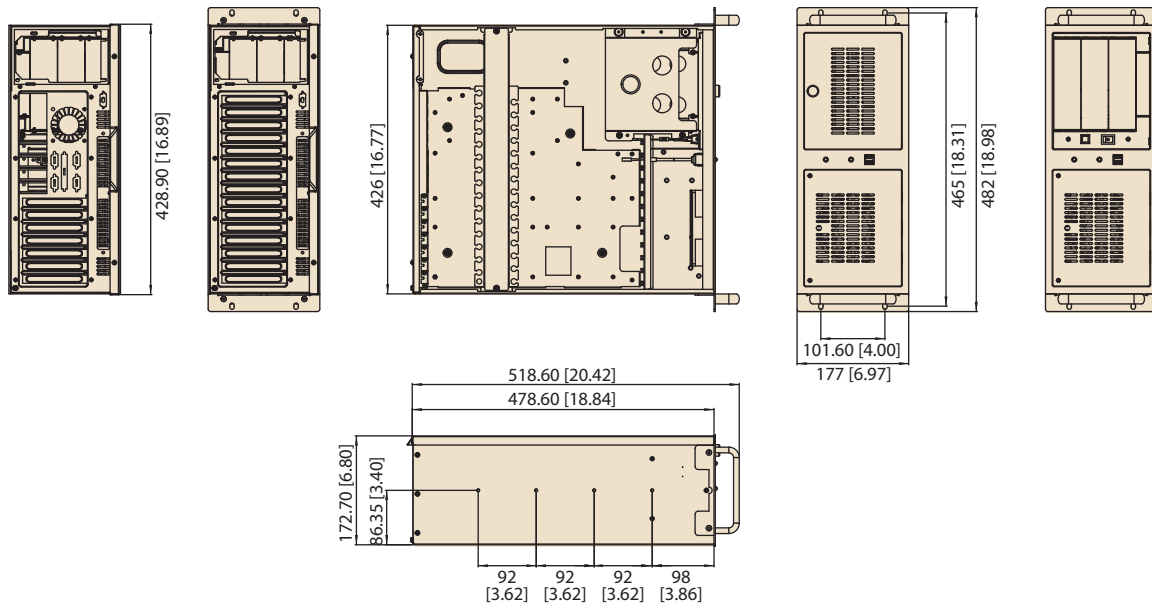|		External	
Drive Bay	3.5"	1	
	5.25"	3	
Cooling	Fan	1 (12 cm / 85 CFM)	
	Air Filter	Yes	
Miscellaneous	LED Indicators	Power and HDD activity	
	Control	Power switch and system reset button	
	Rear Panel	Backplane version: One 9-pin D-Sub opening Motherboard version: Five 9-pin D-Sub & one 25-pin D-sub openings	
		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, 1/2 sine wave)	
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 479 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

Power LED
System reset button
HDD LED
Power switch
One 3.5" drive bay
Three 5.25" drive bays

Easy-to-replace cooling fan and filter
One 12 cm / 85 CFM cooling fan

IPC-611

Devices not included

Dimensions

Unit: mm [inch]

428.90 [16.89]

426 [16.77]

465 [18.31]
482 [18.98]

101.60 [4.00]
177 [6.97]

518.60 [20.42]
478.60 [18.84]

172.70 [6.80]
86.35 [3.40]

92 [3.62] 92 [3.62] 92 [3.62] 98 [3.86]

Ordering Information

Part Number	Power Supply	Wattage	Switch type
Backplane Version			
IPC-610BP-00LBE	-	-	ATX
IPC-610BP-50LBE	PS8-500ATX-ZE	500W	ATX
IPC-611BP-00XBE	-	-	ATX
Motherboard Version			
IPC-610MB-00LBE	-	-	ATX
IPC-610MB-40LBE	PS8-400ATX-ZE	400W	ATX
IPC-611MB-00XBE	-	-	ATX

Power Supply Options

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

Part Number	80 Plus Grade	Wattage	Type	Input
PS8-250ATX-ZE	Bronze	250W	Single	AC 100 ~ 240 (full range)
PS8-300ATX-ZBE	Bronze	300W	Single	AC 100 ~ 240 (full range)
PS8-400ATX-ZE	Bronze	400W	Single	AC 100 ~ 240 (full range)
PS8-500ATX-ZE	Bronze	500W	Single	AC 100 ~ 240 (full range)
RPS8-500ATX-XE	Bronze	500W	1+1 Redundant	AC 100 ~ 240 (full range)

Optional Accessories

Part Number	Description
IPC-DT-5230E	Mobile rack for converting dual 5.25" drive bays to three 3.5" SATA HDD trays
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)

** 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
2130006149S000	Fan filter 127 x 127 x 5 mm
2130004802S000	Door filter 142 x 97 x 5 mm

IPC-610-L/ IPC-611

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

PICMG 1.0
PICMG 1.3
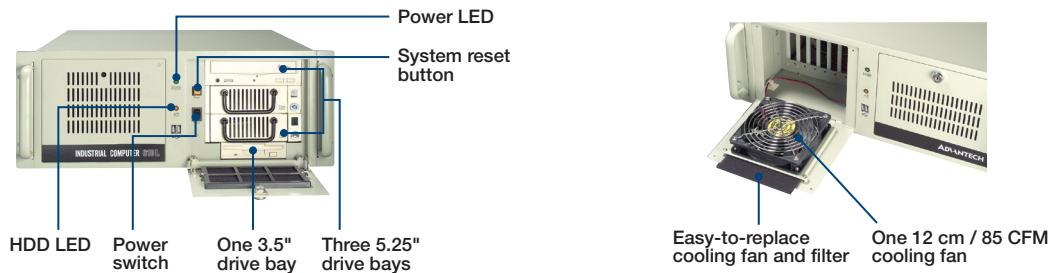
IPC-610-L

CE FCC

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

Specifications

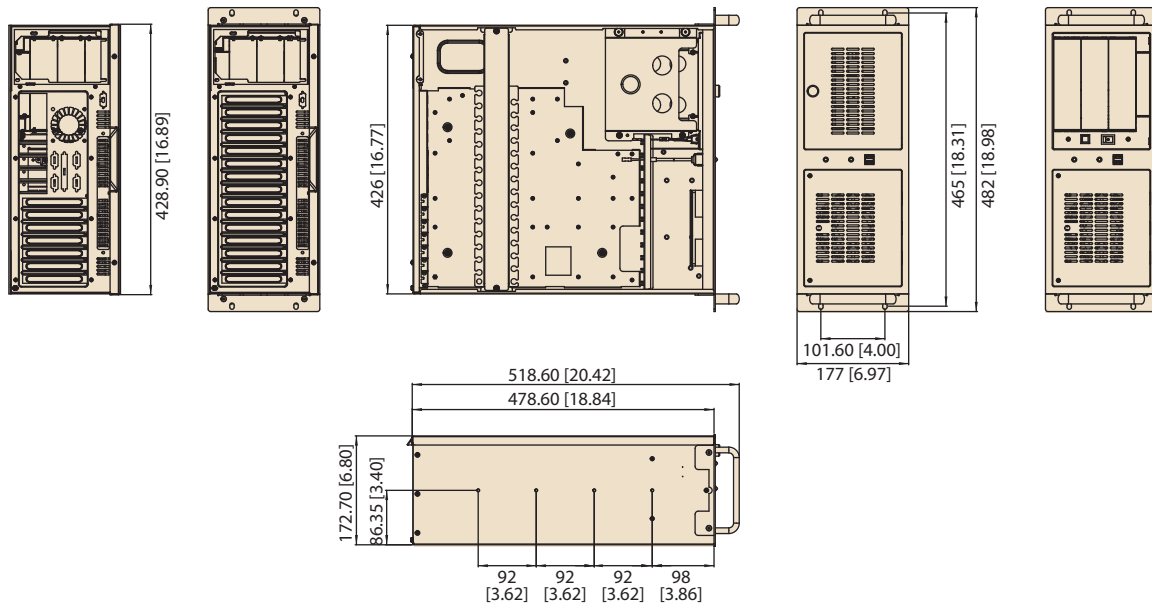|		External	
Drive Bay	3.5"	1	
	5.25"	3	
Cooling	Fan	1 (12 cm / 85 CFM)	
	Air Filter	Yes	
Miscellaneous	LED Indicators	Power and HDD activity	
	Control	Power switch and system reset button	
	Rear Panel	Backplane version: One 9-pin D-Sub opening Motherboard version: Five 9-pin D-Sub & one 25-pin D-sub 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, 1/2 sine wave)	
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 479 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

Power LED

System reset button

HDD LED   Power switch   One 3.5" drive bay   Three 5.25" drive bays

Easy-to-replace cooling fan and filter

One 12 cm / 85 CFM cooling fan

IPC-611

Devices not included

Last updated: 21-Jun-2019

Dimensions

Unit: mm [inch]

Ordering Information

Part Number	Power Supply	Wattage	Switch type
Backplane Version			
IPC-610BP-00LBE	-	-	ATX
IPC-610BP-50LBE	PS8-500ATX-ZE	500W	ATX
IPC-611BP-00XBE	-	-	ATX
Motherboard Version			
IPC-610MB-00LBE	-	-	ATX
IPC-610MB-40LBE	PS8-400ATX-ZE	400W	ATX
IPC-611MB-00XBE	-	-	ATX

Power Supply Options

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

Part Number	80 Plus Grade	Wattage	Type	Input
PS8-250ATX-ZE	Bronze	250W	Single	AC 100 ~ 240 (full range)
PS8-300ATX-ZBE	Bronze	300W	Single	AC 100 ~ 240 (full range)
PS8-400ATX-ZE	Bronze	400W	Single	AC 100 ~ 240 (full range)
PS8-500ATX-ZE	Bronze	500W	Single	AC 100 ~ 240 (full range)
RPS8-500ATX-XE	Bronze	500W	1+1 Redundant	AC 100 ~ 240 (full range)

Optional Accessories

Part Number	Description
IPC-DT-5230E	Mobile rack for converting dual 5.25" drive bays to three 3.5" SATA HDD trays
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)

** 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
2130006149S000	Fan filter 127 x 127 x 5 mm
2130004802S000	Door filter 142 x 97 x 5 mm

IPC-622

6U 20-Slot Rack-mount Short Depth Chassis with Redundant Power Supply
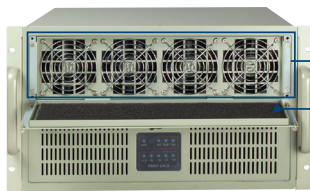
PICMG 1.0
PICMG 1.3

CE FCC

Features

- 6U rackmount chassis supports PICMG 1.0/1.3 20 slots backplane
- Supports Mini-redundant power supply up to 750W
- LED indicators and audible alarm notification for system fault detection
- Four 9 cm / 53 CFM ball-bearing system fans for excellent cooling
- Front accessible fan filters for easy maintenance
- Lockable front door prevents unauthorized access
- Built-in Intelligent System Module enabling whole system fan control and remote manageability

Specifications

		Front-accessible	Internal
Drive Bay	5.25"	4	-
	3.5"	-	2
Cooling	Fan	4 (9 cm / 58 CFM each)	
	Air Filter	Yes (Front accessible)	
Front I/O Interface	USB	2 (default) and reserve up to 4 sets of dual USB ports in the front	
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	
	Rear Panel	Four 9-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 WISE-PaaS/RMM 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)	0.5 Grms	1 G
	Shock	5G (with 11 ms duration, half sine wave)	
Physical Characteristics	Dimensions (W x H x D)	482 x 266 x 465 mm (19" x 10.5" x 18.3")	
	Weight	30.0 kg (66 lb)	

Front view

Four 53-CFM cooling fans

Easy-to-replace fan filter

Power LED

HDD LED
Temp. LED
Fan LED

Power status

Inside View
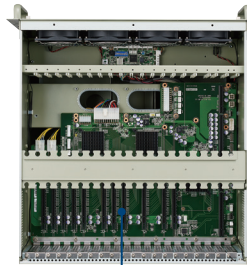
Max. 20-slot backplane

Rear View

Rear vents for better airflow

Slot brackets with ventilation holes
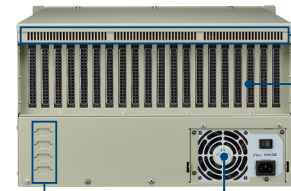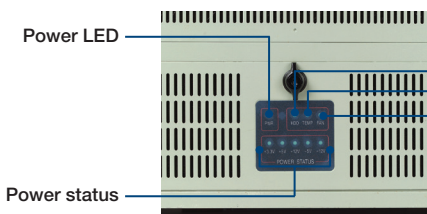
Reserved Four 9-pin D-sub openings

Single power supply up to 700W or mini-redundant power supply up to 750W

Dimensions

Unit: mm [inch]
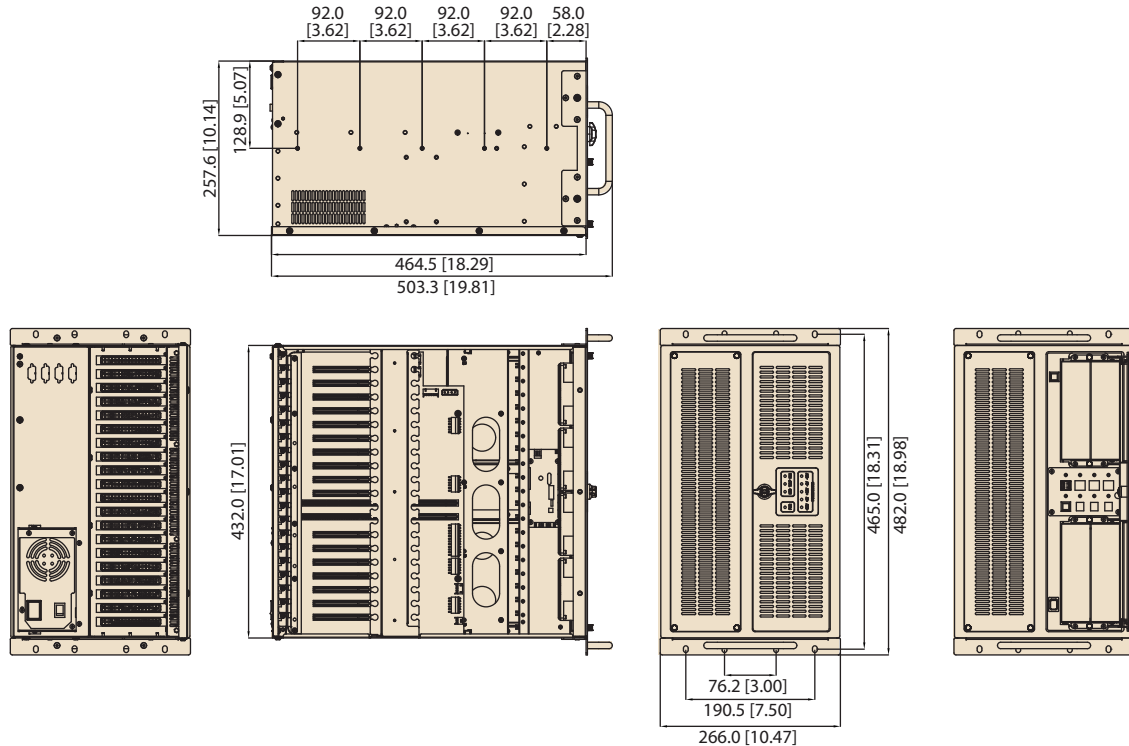
Ordering Information

Part Number	Description
IPC-622BP-00DE	W/O power supply, with AT switch

Power Supply Options

Part Number	80 Plus Grade	Wattage	Type	Input
PS8-400ATX-ZE	Bronze	400W	Single	AC 100 ~ 240V (full range)
PS8-500ATX-ZE	Bronze	500W	Single	AC 100 ~ 240V (full range)
PS8-700ATX-ZE	Bronze	700W	Single	AC 100 ~ 240V (full range)
RPS8-500ATX-XE (1+1 redundant)	Bronze	500W	1+1 Redundant	AC 100 ~ 240V (full range)
RPS8-750ATX-XE (1+1 redundant)	Gold	750W	1+1 Redundant	AC 100 ~ 240V (full range)

Optional Accessories

Part Number	Description
1700002444	Reset button with wire
1700007032	Dual USB connector with wire
IPC-DT-5230E	Mobile rack for converting dual 5.25" drive bays to three 3.5" SATA HDD trays
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)

* 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
2130004802S000	Door filter 142 x 97 x 5 mm
2130004804S000	Fan filter 382 x 93 x 5 mm

IPC-623

4U 20-Slot Rackmount Chassis

NEW

PICMG 1.0
PICMG 1.3

CE FCC

Features
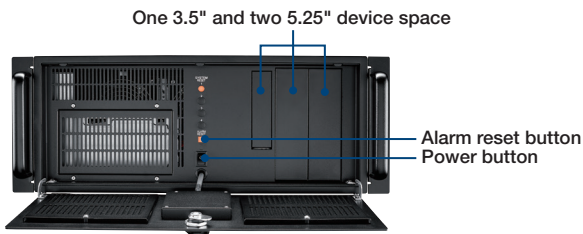
- 4U rackmount chassis supports up 20 slot or 4-system backplane
- Support 500W or 1200W single power supply
- Two external 5.25" and one 3.5" shockproof drive bays
- Three 12 cm / 150 CFM cooling fans
- Dual top cover designed for easy maintenance
- Six easily replaceable air filters provide good airflow
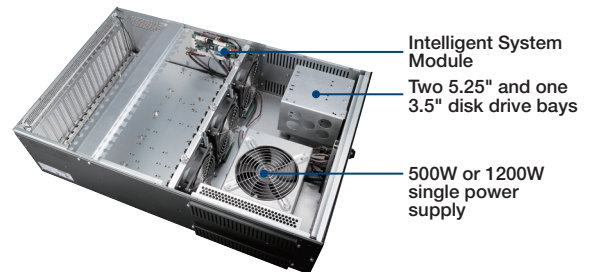- Built in Intelligent System module enabling whole system fan control and emote manageability

Specifications

		External	
Drive Bay	3.5"	1	
	5.25"	2	
Cooling	Fan	3 (12 cm 150 CFM each)	
	Air Filter	4 (200 x 45 mm) + 2 (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	
Intelligent System Module Remote Monitoring	CPU/System fan speed, CPU/system temperature, motherboard voltage (Only selected Advantech MBs/CPU card with WISE-PaaS/RMM installed can fully enable these functions, check with Advantech local rep. for detail 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	10G (with 11ms duration, 1/2 sine wave)	
Physical Characteristics	Dimensions (W x H x D)	482 x 177 x 657 mm (19" x 7" x 26")	
	Weight	27.4 kg (60.41 lb)	

Front View

One 3.5" and two 5.25" device space

Alarm reset button
Power button

Inside View

Intelligent System Module

Two 5.25" and one 3.5" disk drive bays

500W or 1200W single power supply

Rear View

Inside View

Three 150 CFM hot-swappable fans
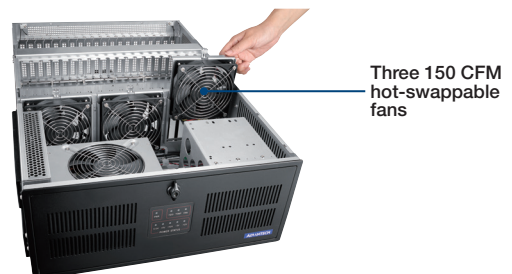
Dimensions

Unit: mm [inch]
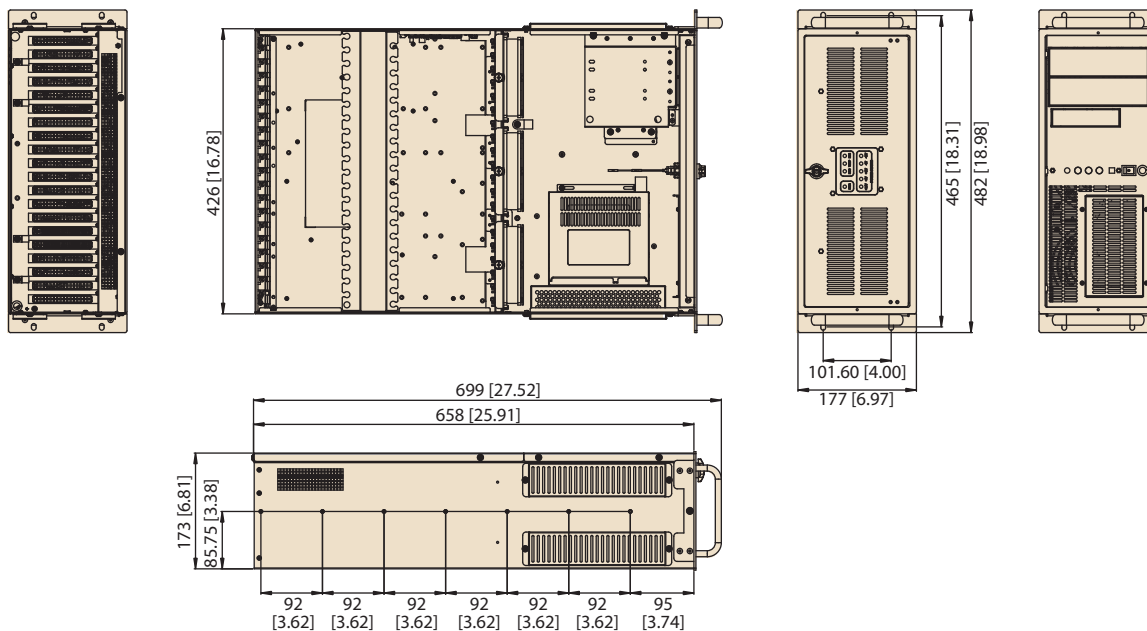
Ordering Information

Part number	Power Supply	Wattage	80 Plus grade	Switch Type
IPC-623BP-50ZC	96PS-A500WPS2G	500W	Gold	ATX switch
IPC-623BP-1KZC	96PS-A1K2WPS2*	1200W	Gold	ATX switch

Note : Choose power cord with IEC C19 plug for IPC-623BP-1KZC

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
1700002459	Reset button with wire
1600002166	AT switch
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)

* 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.

Backplane Options

Part Number	Description
PICMG 1.3 Backplane	
PCE-7B19-88B1E	2 PICeX8,8 PCIX,8 PCI
PCE-5B18-88B1E	1 PICeX16,8 PCIX,8 PCI
PCE-5B16Q-02A1E	Quad Seg BP,4 PCIeX16,8 PCI
PCE-5B12-00A1E	10 PCIeX16, 1 PCIeX4
PCE-5B19-00A1E	17 PCIeX16, 1 PCIeX4
PICMG 1.0 Backplane	
PCA-6120P18-0A2E	1 ISA, 17 PCI, 1 PICMG/PCI
PCA-6120P4-0B2E	14 ISA, 4 PCI, 1 PICMG/PCI
PCA-6119P7-0C2E	10 ISA, 7 PCI, 1 PICMG/PCI
PCA-6120P12-0A3E	7 ISA, 11 PCI, 1 PICMG/PCI
PCA-6120Q-0B3E	5-5-5-5 ISA

Spare Parts

Part Number	Description
2130004799S000	Side filter 45 x 200 x 6 mm
2130004800S000	Door filter 130 x 95 x 6 mm

IPC-631

4U Front I/O Short Depth Rackmount Chassis for ATX/MicroATX Motherboard

NEW

Features

- All I/O ports, buttons, LEDs, drive bays, AC inlet located on the front side
- 350mm short depth
- Supports ATX/Micro ATX MB with CPU TDP up to 120W
- Built-in 500W single or redundant power supply
- Optional module for dual hot-swap 2.5" drive bays for RAID 0, 1
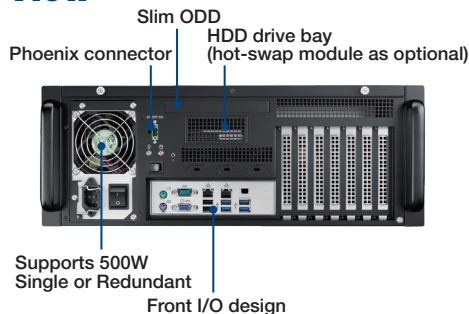- PWM controlled smart fan generating low noise

CE FCC

Specifications

		External	Internal
Drive Bay	Slim Optical Drive Bay	1	-
	2.5"	2 (hot-swap tray module as optional)*	2
Cooling	Fan	2 (12cm/82 CFM)	
	Air Filter	Yes	
Front I/O Interface	Phoenix front PW-ON	1	
Miscellaneous	COM	3	
	LED Indicators	Power, HDD	
	Control	Power switch, System reset	
System Monitoring		Chassis intrusion switch	
		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)	
Physical Characteristics	Dimensions (W x H x D)	482 x 177 x 348 mm (19" x 7.0" x 13.7")	
	Weight	8 kg (17.6 lb)	

* IPC-631 2.5" drive bay, both default internal and hot-swap tray module, support 2.5" HDD with thickness less than 14.7mm.
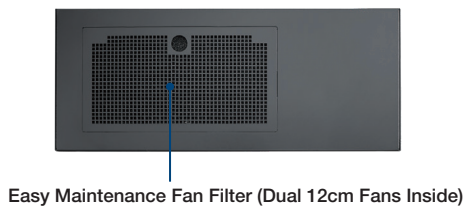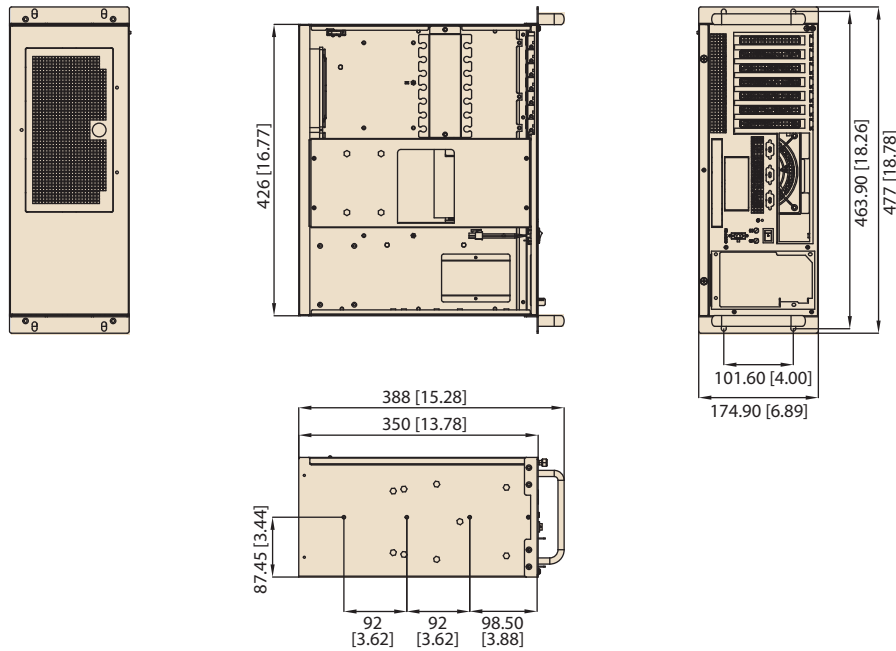
Front View

Slim ODD
Phoenix connector
HDD drive bay (hot-swap module as optional)
Supports 500W Single or Redundant
Front I/O design

Inside View

Supports ATX/Micro ATX Motherboard
Supports single 500W/700W or 500W Redundant power supply
Dual 2.5" HDD

Rear View

Easy Maintenance Fan Filter (Dual 12cm Fans Inside)

Optional SATA/SAS hot-swap tray module 98R1310010E

ADVANTECH **Industrial Chassis**

All product specifications are subject to change without notice.

Last updated: 10-Apr-2019

Dimensions

Unit: mm [inch]

426 [16.77]

388 [15.28]
350 [13.78]
87.45 [3.44]
92 [3.62]
92 [3.62]
98.50 [3.88]

463.90 [18.26]
477 [18.78]
101.60 [4.00]
174.90 [6.89]

Ordering Information

Part Number	Power supply P/N	80 Plus grade	Power supply type	Wattage	Switch type
IPC-631MB-50ZE	PS8-500ATX-ZE	Bronze	Single	500W	ATX
IPC-631MB-70ZE	PS8-700ATX-ZE	Bronze	Single	700W	ATX
IPC-631MB-50RE	RPS8-500ATX-XE	Bronze	1+1 redundant	500W	ATX

Optional Accessories

Part Number	Description
96CB-SATAPOWER-6P2	SATA power wire 6-pin to big 4-pin (for slim ODD)
98R1310010E	2.5" SATA/SAS Hot-swap module
2130017444T000	Door filter
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)

* 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.

IPC-940

4U Entry level Rackmount Chassis with Front-Accessible Fan
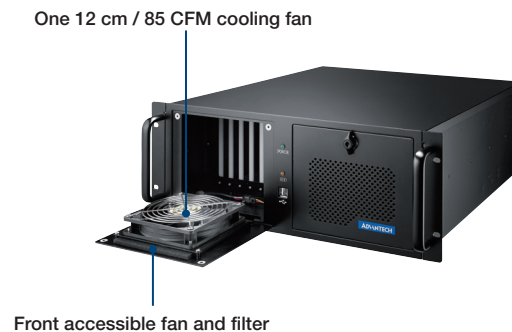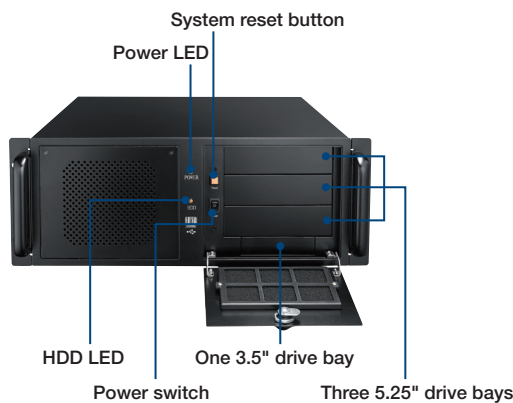

Features

- Supports ATX/uATX motherboard
- 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
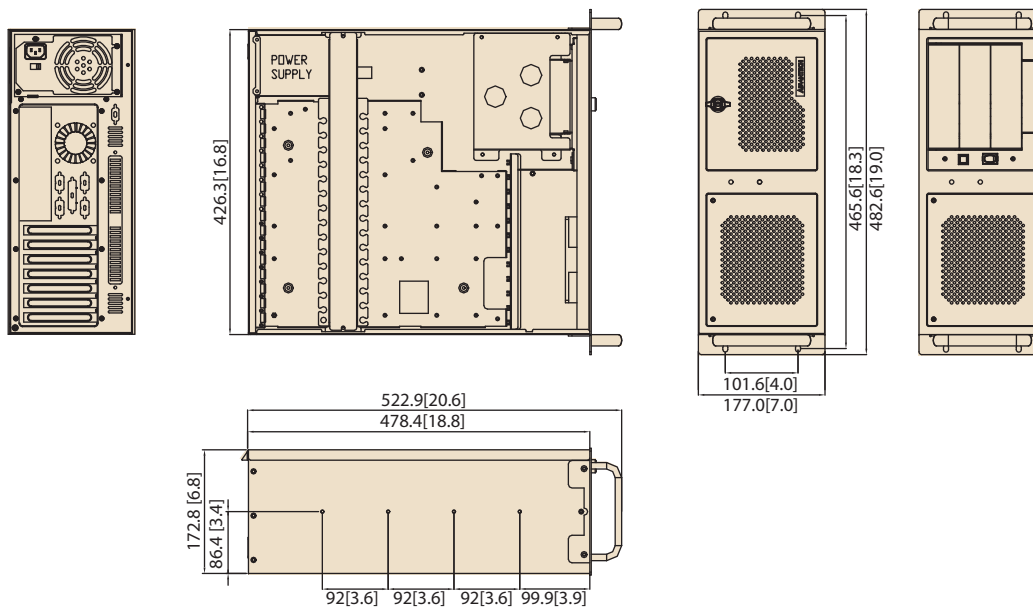
C€ FCC

Specifications

		External	
Drive Bay	3.5"	1	
	5.25"	3	
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	Motherboard version: Five 9-pin D-Sub & one 25-pin D-sub openings	
		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, 1/2 sine wave)	
Physical Characteristics	Dimensions (W x H x D)	482 x 177 x 479 mm (19" x 7" x 18.9")	
	Weight	14.5 kg (31.9 lb) / 14.2 kg (31.2 lb)	

Front View

System reset button
Power LED
HDD LED
Power switch
One 3.5" drive bay
Three 5.25" drive bays

One 12 cm / 85 CFM cooling fan
Front accessible fan and filter

ADVANTECH　**Industrial Chassis**

All product specifications are subject to change without notice.　Last updated: 30-Mar-2018

Dimensions

Unit: mm [inch]

426.3[16.8]

POWER SUPPLY

465.6[18.3]
482.6[19.0]

101.6[4.0]
177.0[7.0]

522.9[20.6]
478.4[18.8]

172.8 [6.8]
86.4 [3.4]

92[3.6] 92[3.6] 92[3.6] 99.9[3.9]

Ordering Information

Part Number	Power Supply	Wattage	Switch type
IPC-940MB-25Z	PS8-250ATX-ZE	250W	ATX

Spare Parts

Part Number	Description
2130006149S000	Fan filter 127 x 127 x 5 mm
2130004802S000	Door filter 142 x 97 x 5 mm

Optional Accessories

Part Number	Description
IPC-DT-5230E	Mobile rack for converting dual 5.25" drive bays to three 3.5" SATA HDD trays

IPC-941

Features

- 4U rackmount chassis, only 348 mm depth
- Supports 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 Intrusion switch function
- Built-in Intelligent System Module enabling whole system fan control and remote manageability
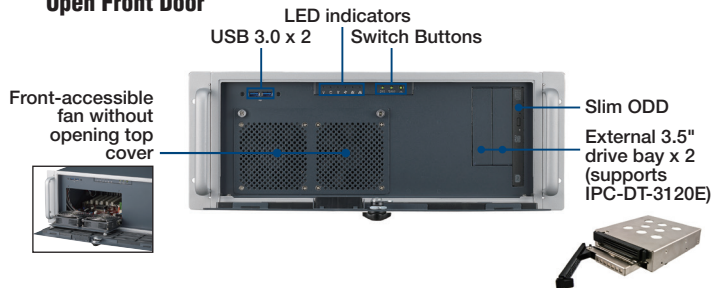
Quiet

CE FCC

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	Motherboard version: Five 9-pin D-Sub and one 25-pin D-Sub openings	
System Monitoring		Chassis intrusion switch	
Intelligent System Module Remote Monitoring		CPU/System fan speed , CPU/System temperature , motherboard voltage (Only selected Advantech MBs/CPU cards with WISE-PaaS/RMM 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)	
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)	

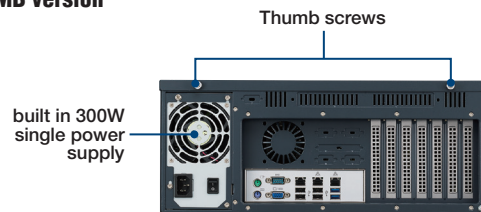The USB 3.0 ports do not operate if the motherboard has no on-board USB 3.0 box header.
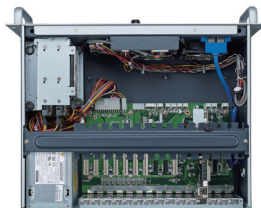
Front View

Open Front Door

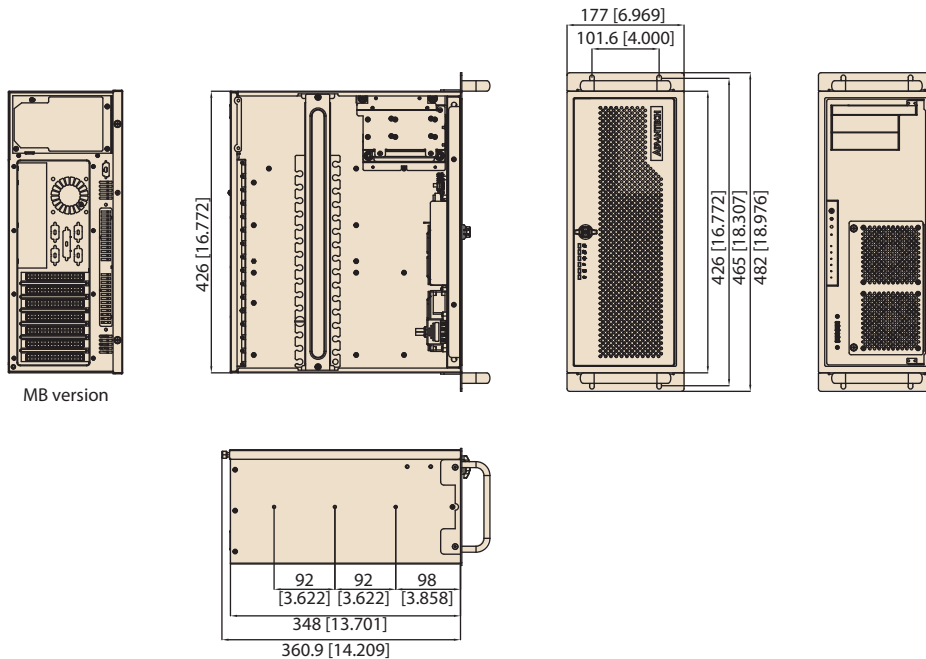Front-accessible fan without opening top cover

USB 3.0 x 2

LED indicators
Switch Buttons

Slim ODD

External 3.5" drive bay x 2 (supports IPC-DT-3120E)

Rear View

MB version

Thumb screws

built in 300W single power supply

Inside View

Dimensions

Unit: mm [inch]

177 [6.969]
101.6 [4.000]

426 [16.772]

426 [16.772]
465 [18.307]
482 [18.976]

MB version

92 [3.622] 92 [3.622] 98 [3.858]
348 [13.701]
360.9 [14.209]

Ordering Information

Part Number	Power Supply	Wattage	Switch type
IPC-941MB-30Z	PS8-300ATX-ZBE	300W	ATX

Optional Accessories

Part Number	Description
IPC-DT-3120E	Drive bay module converting 1 3.5" to 2 hot-swap 2.5"
96CB-SATAPOWER-6P2	SATA power wire 6-pin to big 4-pin (for slim ODD)