

IPC-610-L/ IPC-611

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



IPC-610-L

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

CE FCC

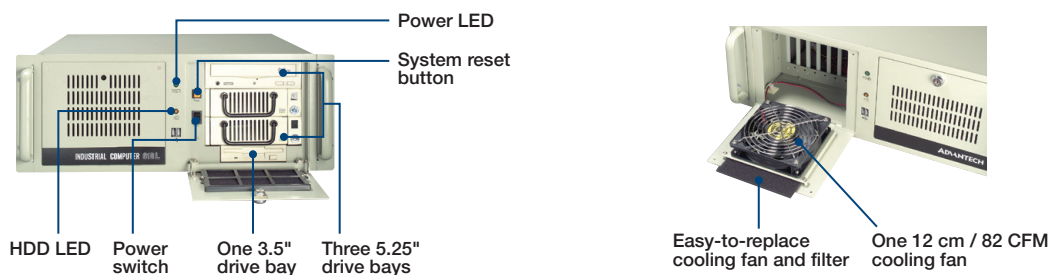
Specifications

Drive Bay	3.5"	External
	5.25"	1*
Cooling	Fan	1 (12 cm / 82 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	Temperature	Operating: 0 ~ 40 °C (32 ~ 104 °F) Non-Operating: -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
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)

*allow one 2.5" HDD/SSD installed without convert bracket.

Front View

IPC-610-L

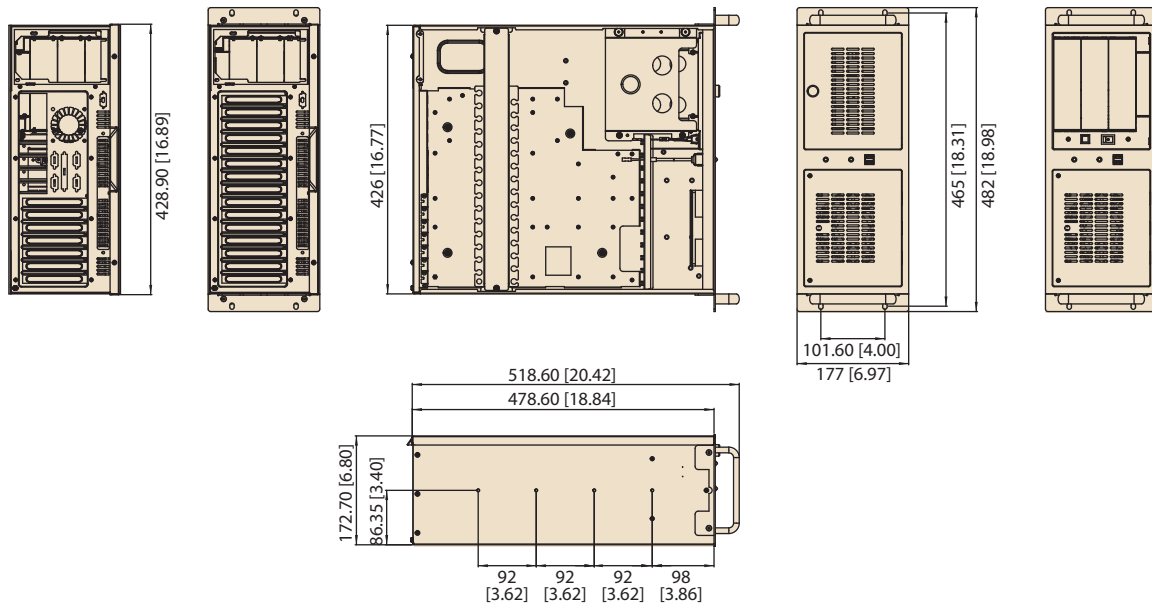


IPC-611



Dimensions

Unit: mm [inch]



Ordering Information

Part Number	Color	Power Supply	Wattage	Switch Type
Backplane Version				
IPC-610BP-00LD	Beige	-	-	ATX
IPC-610BP-30LD	Beige	PS8-300ATX-ZBE	300W	ATX
Motherboard Version				
IPC-610MB-00LD	Beige	-	-	ATX
IPC-610MB-30LD	Beige	PS8-300ATX-ZBE	300W	ATX
IPC-610MB-50LD	Beige	PS8-500ATX-BB	500W	ATX
IPC-611MB-00C	Black	-	-	ATX

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.

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)
PS8-500ATX-BB	Bronze	500W	Single	AC 100 ~ 240 (full range)

Spare Parts

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

IPC-623

4U 20-Slot Rackmount Chassis

NEW

PICMG 1.0

PICMG 1.3



Features

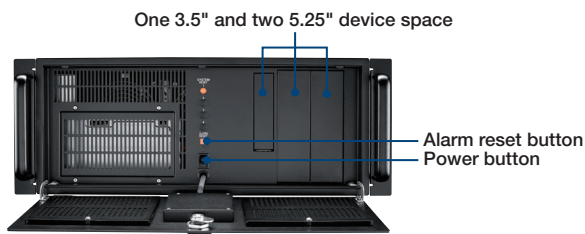
- 4U rackmount chassis supports up to 20 slot or 4-system backplane
- Support 500W or 1200W single power supply
- Two external 5.25" and one 3.5" shockproof drive bays
- Three 12 cm / 150 CFM cooling fans
- Dual top cover designed for easy maintenance
- Six easily replaceable air filters provide good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

CE FCC

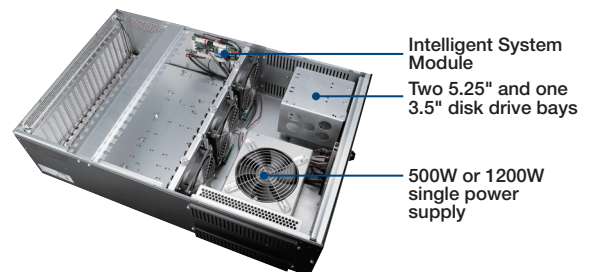
Specifications

Drive Bay	3.5"	External
	5.25"	1
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)	
Environment	Temperature	Operating: 0 ~ 40 °C (32 ~ 104 °F) Non-Operating: -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



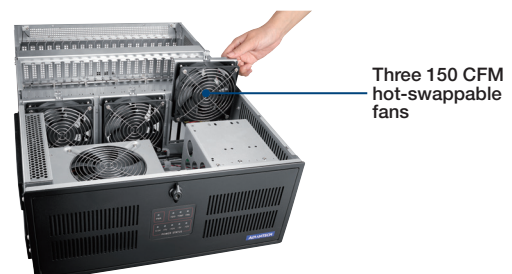
Inside View



Rear View

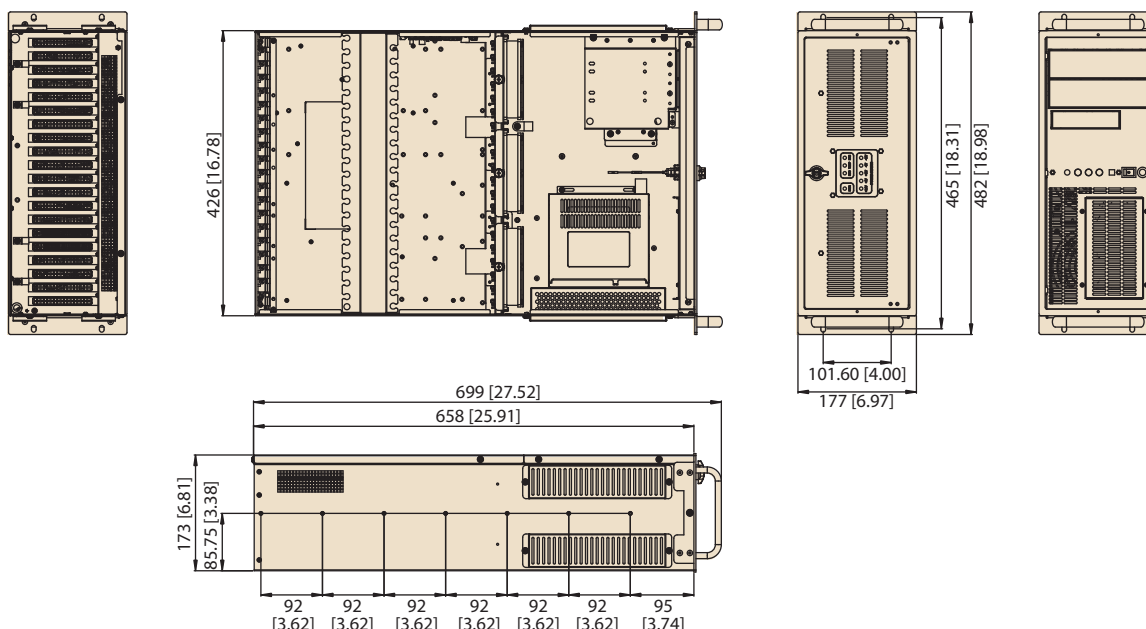


Inside View



Dimensions

Unit: mm [inch]



Ordering Information

Part Number	Power Supply	Power Supply Type	Wattage	80 Plus Grade	Switch Type
IPC-623BP-50ZC	96PS-A500WPS2G	Single	500W	Gold	ATX
IPC-623BP-1KZC	96PS-A1K2WPS2G	Single	1200W	Gold	ATX

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

Packing List

Part Number	Description	Quantity
IPC-623	4U , 20 slot chassis with handle set	1
1750007931-01	system fan	3
1700002459	Reset button with wire	1
2130004800S000	door filter (front)	2
2130004799S000	door filter (side)	4
1960002462	key set	
Content of Accessory Box		
98R26230000	Handle set	1
	Screws/nuts and rubber for motherboard and device	one bag
2001062300	User manual	1

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 ISA

Optional Accessories

Part Number	Description
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.

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 or 700W single power supply
- Optional module for dual hot-swap 2.5" drive bays for RAID 0, 1
- PWM controlled smart fan generating low noise

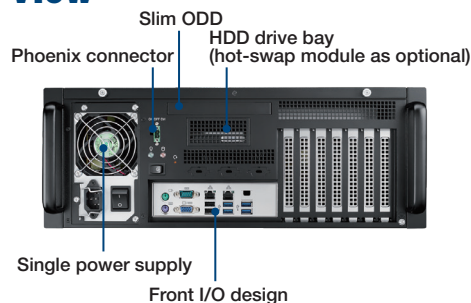
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Specifications

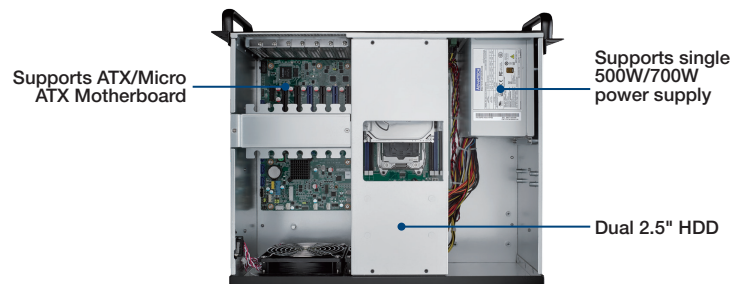
		External	Internal
Drive Bay	Slim Optical Drive Bay	1	-
	2.5"	2 (hot-swap tray module as optional)*	2
Cooling	Fan	2 (12cm/82 CFM)	
	Air Filter	Yes	
Front I/O Interface	Phoenix front PW-ON	1	
	COM	3	
Miscellaneous	LED Indicators	Power, HDD	
	Control	Power switch, System reset	
System Monitoring		Chassis 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.

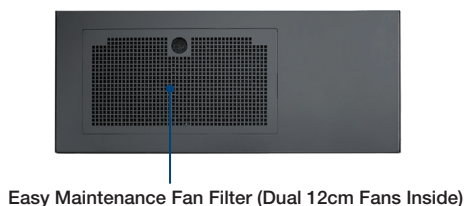
Front View



Inside View



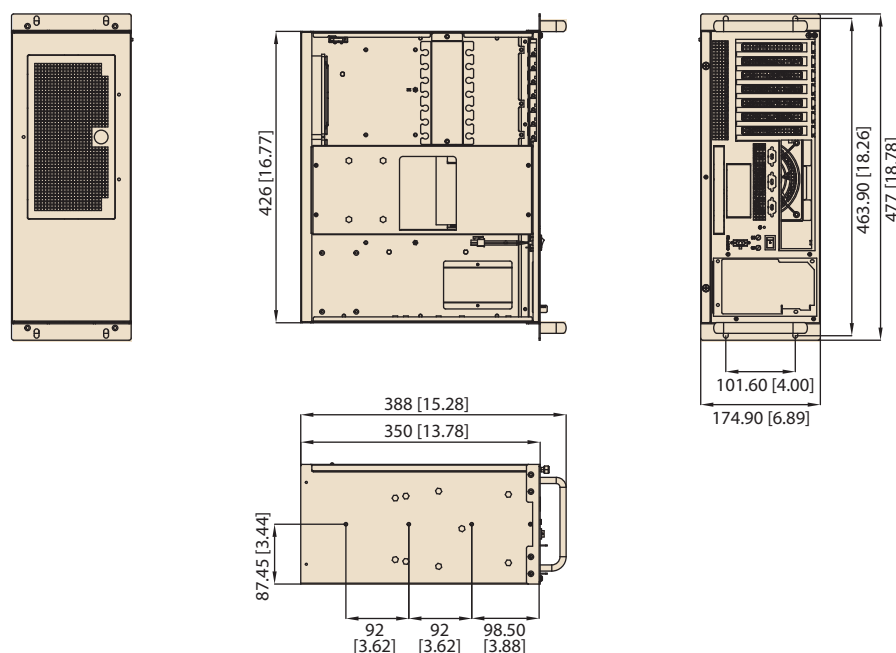
Rear View



Optional SATA/SAS hot-swap tray module 98R1310010E

Dimensions

Unit: mm [inch]



Ordering Information

Part Number	Power supply P/N	80 Plus grade	Power supply type	Wattage	Switch type
IPC-631MB-50B	PS8-500ATX-BB	Bronze	Single	500W	ATX
IPC-631MB-70B	PS8-700ATX-BB	Bronze	Single	700W	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-603

2U 3-Slot Rackmount Chassis for ATX/MicroATX Motherboard with Front I/O



CE FCC

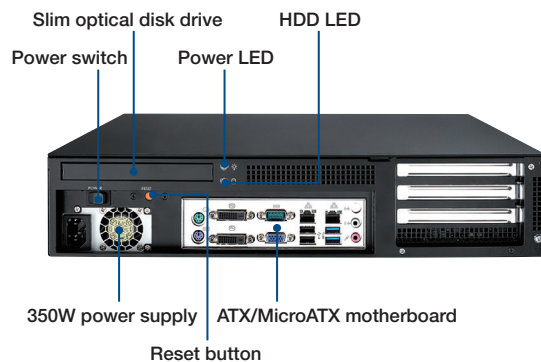
Features

- 308mm short depth front I/O 2U chassis
- Shockproof drive for slim ODD and one 3.5" HDD
- Equipped with 350W single power supply
- Easy-to-replace air filters

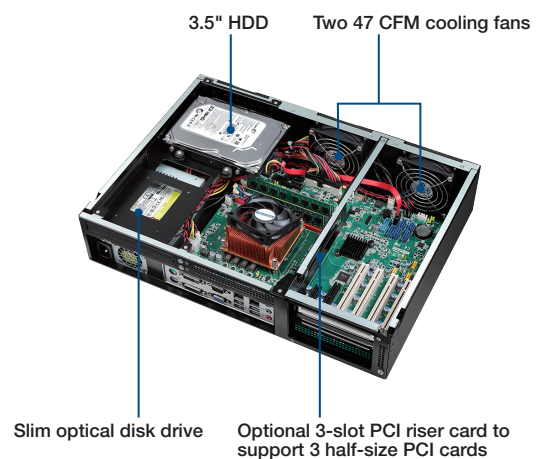
Specifications

Drive Bay	Slim Optical Disk Drive 3.5"	External	Internal
		1	-
Cooling	Fan	2 (8 cm/47 CFM each)	-
	Air Filters	3 (85 x 80 mm)	1
Miscellaneous	Notification LEDs	Power & HDD activity	
Environment	Temperature	Operating 0 ~ 40 °C (32 ~ 104 °F)	Non-Operating -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
Physical Characteristics	Dimensions (W x H x D)	482 x 88 x 308 mm (19" x 3.46" x 12.1")	
	Weight	6.4 kg (14.1 lb)	

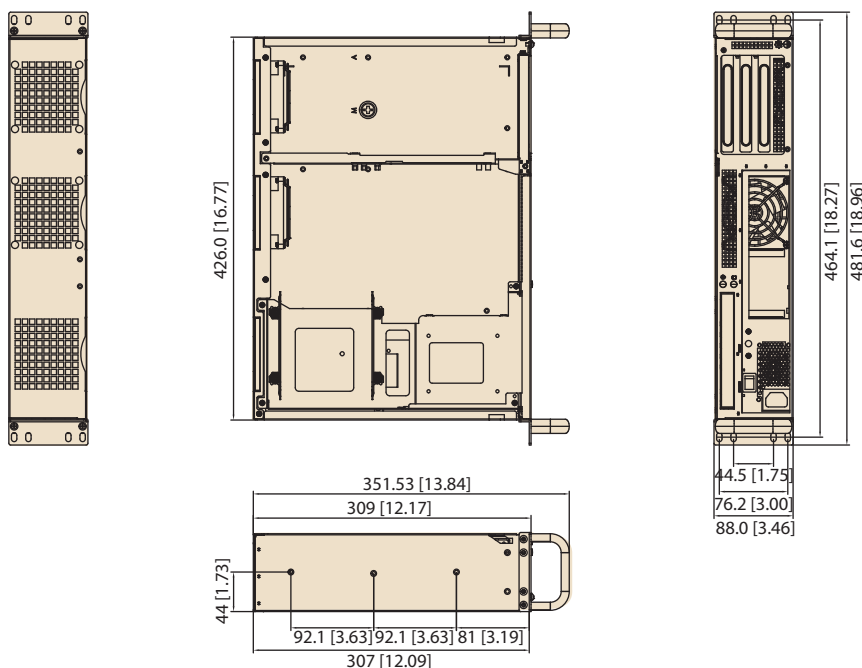
Front View



Inside View



Dimensions



Unit: mm [inch]

Ordering Information

Part Number	Power Supply	Wattage	Type	Input
IPC-603MB-35C	PS8-350FATX-GB	350W	Single	AC 100 ~ 240 V full range

Optional Accessories

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

Spare Parts

Part Number	Description
2130004795S000	Fan filter 80 x 85 x 5 mm

IPC-610-H

4U Rackmount Chassis with Visual Alarm Notification



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

CE FCC

Specifications

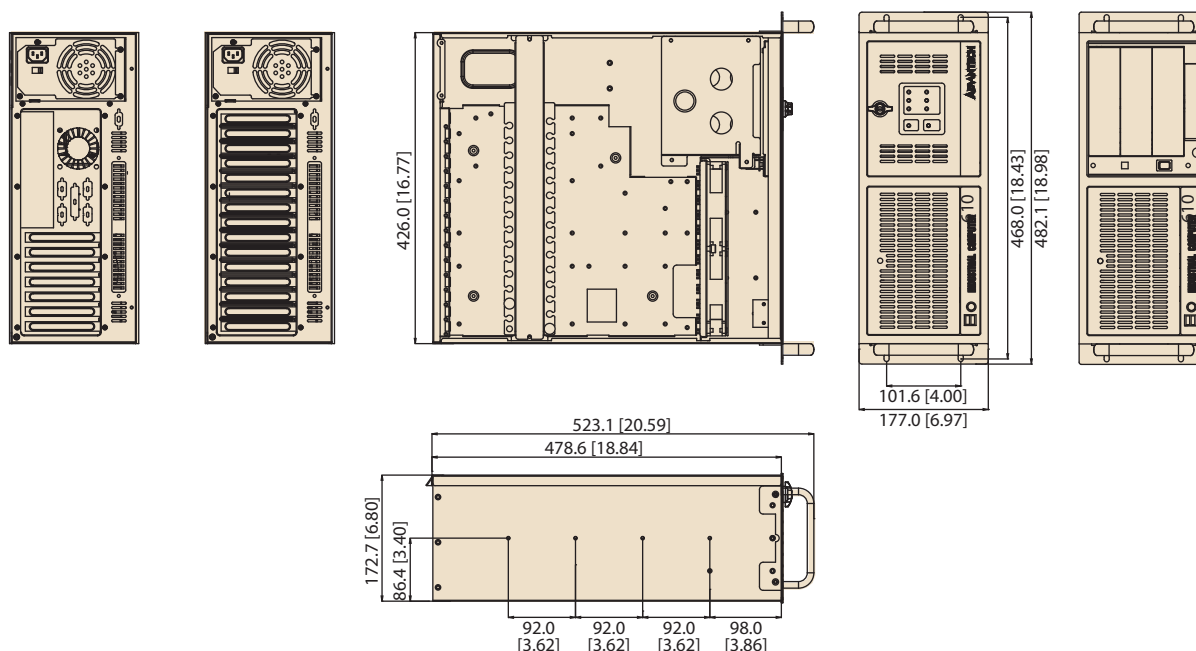
Drive Bay	3.5"	External
	5.25"	1*
Cooling	Fan	2 (12 cm / 82 CFM each)
	Air Filter	Yes
Front I/O Interface	USB	2
	PS/2	1
Miscellaneous	LED Indicators	Power, HDD, and power voltage status
	Rear Panel	Backplane version: One 9-pin D-Sub opening Motherboard version: Five 9-pin D-Sub & one 25-pin D-sub openings
Environment	Temperature	Operating: 0 ~ 40 °C (32 ~ 104 °F) Non-Operating: -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
	Dimensions (W x H x D)	482 x 177 x 479 mm (19" x 7" x 18.9")
Physical Characteristics	Weight	15 kg (33 lb)

*allow one 2.5" HDD/SSD installed without convert bracket.



Dimensions

Unit: mm [inch]



Ordering Information

Part Number	Power Supply	Switch Type
Backplane Version		
IPC-610BP-30HD	PS8-300ATX-ZBE	ATX
IPC-610BP-50HD	PS8-500ATX-BB	ATX
Motherboard Version		
IPC-610MB-30HD	PS8-300ATX-ZBE	ATX
IPC-610MB-50HD	PS8-500ATX-BB	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
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.