IPC-120

Cost Effective Compact 1U Rackmount Chassis for Half-size SBC

Features

- Compact, space-saving 1U rackmount chassis
- Supports half-size SBC and up to 2 expansion cards
- Supports 80plus single power supply up to 350W
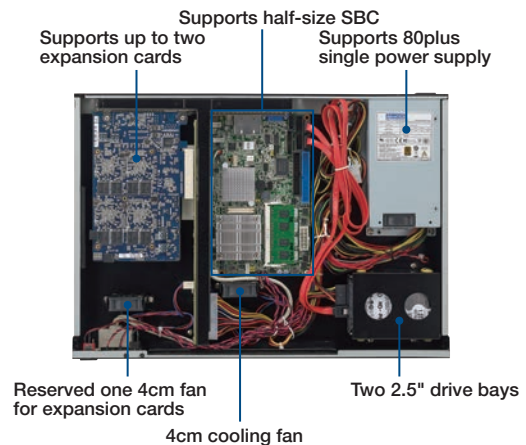- Optional fan kit for cooling high performance add-on card

CE FCC

Specifications

Drive Bay		Internal	
	2.5"	2	
Cooling	Fan	1 (4 cm / 6.5 CFM)	
	Air Filter	Yes	
Front I/O Interface	USB	2	
Miscellaneous	LED Indicators	Power, HDD	
	Rear Panel	Two 9-pin D-Sub openings	
Environment		Operating	Non-Operating
	Temperature	0 ~ 40° C (32 ~ 104° F)	-40 ~ 70° C (-40 ~ 156° F)
	Humidity	10 ~ 85% @ 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)	480 x 44 x 300 mm (19" x 1.7" x 11.8")	
	Weight	3.1 kg (6.82 lb)	

Front View

System reset
Power/HDD LED
Power switch
Dual USB

Inside View

Supports up to two expansion cards
Supports half-size SBC
Supports 80plus single power supply
Reserved one 4cm fan for expansion cards
4cm cooling fan
Two 2.5" drive bays

Rear View

Two COM openings

*Note: Backplane, SBC, motherboard, power supply, and add-on cards are not included.

Dimensions

Unit: mm [inch]

21.90 [0.86]

303.20 [11.94]
300.00 [11.81]
92.10 [3.63]
92.10 [3.63]
85.00 [3.35]

43.90 [1.73]
31.76 [1.25]

464.80 [18.30]
479.90 [18.89]
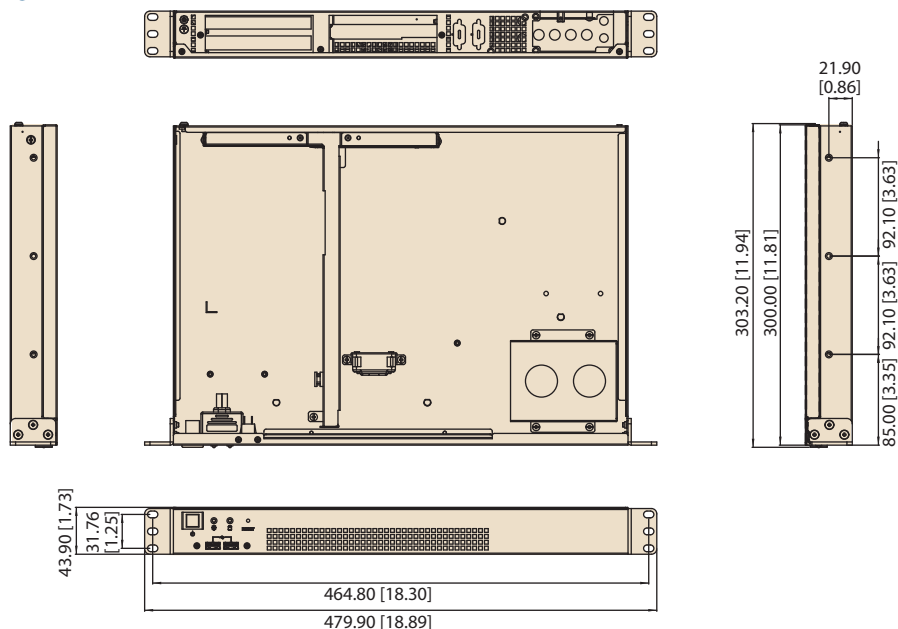
Ordering Information

Part Number	Description
IPC-120BP-00XE	W/O power supply , with ATX switch
PCI-7103P1V-01A1E	PCI Half-Size BP, 3 slot, 1 PCI, 1 PCIex4

Power Supply Options

Part Number	80 Plus Grade	Wattage	Type	Input
PS8-250FATX-XE	Bronze	250W	Single	AC 100 ~ 240V (full range)
PSB-350FATX-XE	Bronze	350W	Single	AC 100 ~ 240V (full range)

Spare Parts

Part Number	Description	Quantity
2130014149T000	Fan Filter for IPC-120	
Optional FAN Upgrade Kit		
1750006377	Fan	1
1962601090	Fan Guard	1
1960019654N00B	Fan Holder	1
1930000074	Screws for fixing Fan and Fan Guard	4
1933030500	Screws for fixing Fan assembly	2

CPU Card Options

Part Number	Description
PCI-7031DF-S6A1E	Half-sized SBC Atom D510 w/PCIex4
PCI-7032F-00A1E	Half-sized SBC Celeron J1900 w/PCIex1 and four PCI