IPC-510

Economical 4U Rackmount Chassis with Front USB and PS/2 Interfaces
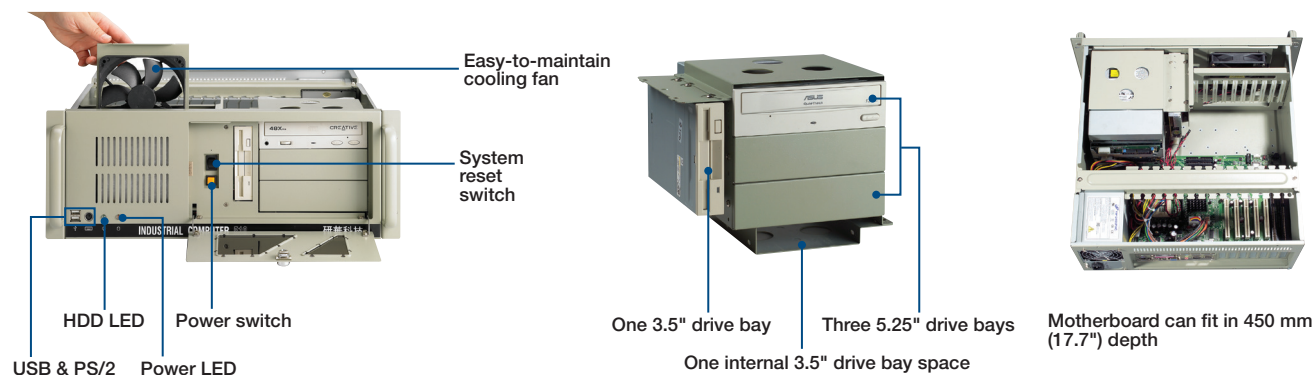
PICMG 1.0

PICMG 1.3

Features

- The most cost-effective rackmount chassis
- Supports PS/2 single power supply
- Easy to install front-accessible drive bays to hold three 5.25" and two 3.5" drives (one front-accessible & one internal)
- Front-accessible USB & PS/2 interfaces
- Designed to withstand environmental extremes, such as shock, vibration and high temperature

CE FCC

Specifications
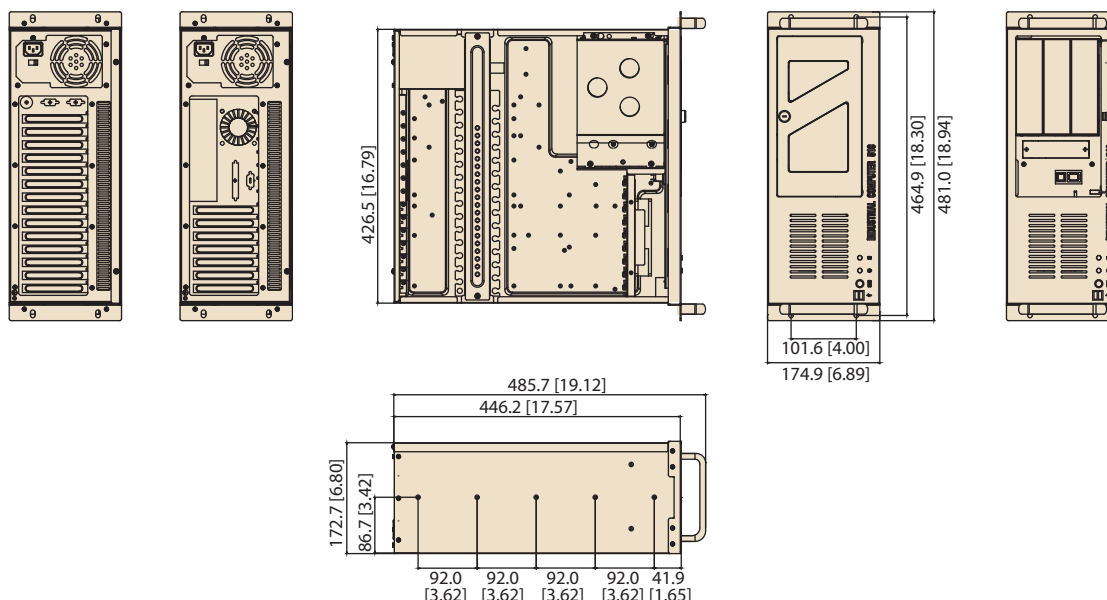
Drive Bay		External	Internal
	5.25"	3	-
	3.5"	1	1
Cooling	Fan	1 (12 cm / 77 CFM)	
	Air Filter	Yes	
Front I/O Interface	USB	2	
	PS/2	1	
Miscellaneous	LED Indicators	Power and HDD activity	
	Rear Panel	Backplane version: Two 9-pin D-Sub openings Motherboard version: One 9-pin D-Sub and one 68-pin SCSI 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)	481 x 175 x 446 mm (19" x 7" x 17.6")	
	Weight	10.7 kg (23.5 lb)	

Easy-to-maintain cooling fan

System reset switch

HDD LED   Power switch

USB & PS/2   Power LED

One 3.5" drive bay   Three 5.25" drive bays

One internal 3.5" drive bay space

Motherboard can fit in 450 mm (17.7") depth

Black Version

Dimensions

Unit: mm [inch]

426.5 [16.79]

464.9 [18.30]
481.0 [18.94]

101.6 [4.00]
174.9 [6.89]

485.7 [19.12]
446.2 [17.57]

172.7 [6.80]
86.7 [3.42]

92.0 [3.62] 92.0 [3.62] 92.0 [3.62] 92.0 [3.62] 41.9 [1.65]

Ordering Information

Part Number	Description	Power supply
Backplane Version		
IPC-510BP-00XBE	Beige, W/O PSU , with ATX switch	-
IPC-510BP-30CE	Beige, W/300W PSU, with ATX switch	96PS-A300WPS2
IPC-510BP-00XCE	Black, W/O PSU, with ATX switch	-
Motherboard Version		
IPC-510MB-00XBE	Beige, W/O PSU, with ATX switch	-
IPC-510MB-30CE	Beige, W/300W PSU, with ATX switch	96PS-A300WPS2
IPC-510MB-00XCE	Black, W/O PSU, with ATX switch	-

Power Supply Options

Part Number	80 Plus Grade	Wattage	Type	Input
PS8-250ATX-ZE	Bronze	250W	Single	AC 100 ~ 240V (full range)
PS8-300ATX-ZBE	Bronze	300W	Single	AC 100 ~ 240V (full range)
PS8-400ATX-ZE	Bronze	400W	Single	AC 100 ~ 240V (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" SAS/SATA HDD trays

Spare Parts

Part Number	Description
2130006190S000	Fan filter 120 x 100 x 15 mm