IPC-510

Economical 4U Rackmount Chassis with Front USB and PS/2 Interfaces
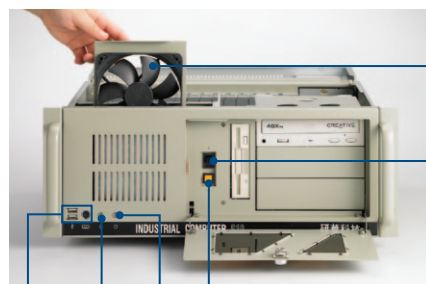
PICMG 1.0
PICMG 1.3

Features

- The most cost-effective rackmount chassis
- Supports ATX PFC 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 RoHS COMPLIANT 2002/95/EC

Specifications

Drive Bay		Front-accessible	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)	486 x 177 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
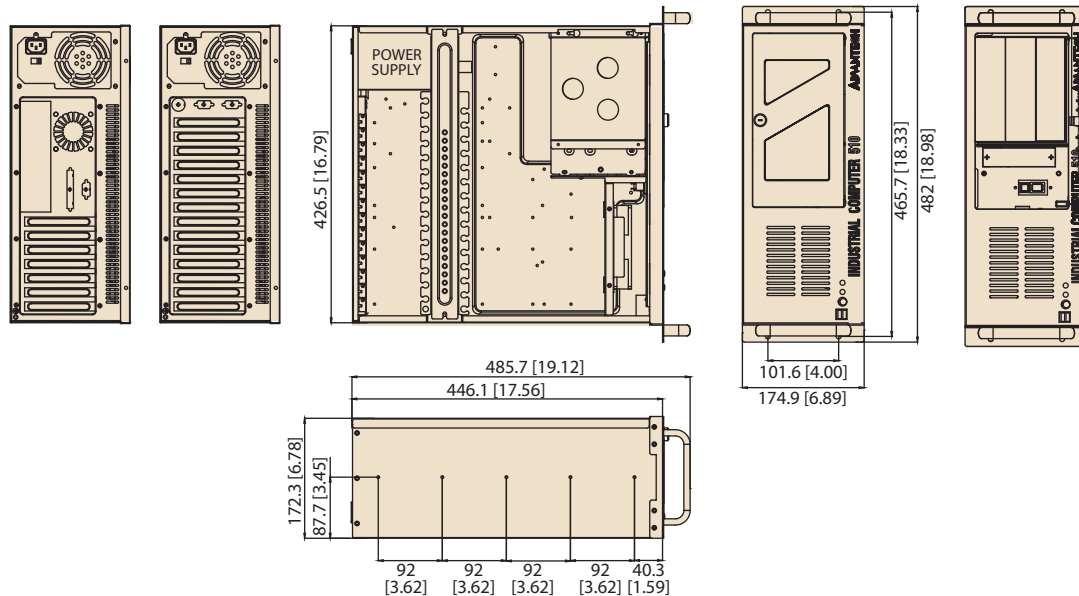
USB & PS/2   Power LED

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

Dimensions

Unit: mm [inch]

POWER SUPPLY

426.5 [16.79]

485.7 [19.12]
446.1 [17.56]

172.3 [6.78]
87.7 [3.45]

92 [3.62]   92 [3.62]   92 [3.62]   92 [3.62]   40.3 [1.59]

465.7 [18.33]
482 [18.98]

101.6 [4.00]
174.9 [6.89]

Ordering Information

Part Number	Power Supply
Backplane Version	
IPC-510BP-00XBE	Without power supply, with ATX switch
IPC-510BP-30CE	PS8-300ATX-ZBE
Motherboard Version	
IPC-510MB-00XBE	Without power supply, with ATX switch
IPC-510MB-30CE	PS8-300ATX-ZBE

Power Supply Options

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

Part Number	Specifications	
	Watts	**Input**
PS8-250ATX-ZE (ATX, PFC)	250W	AC 100 ~ 240V (full-range)
PS8-300ATX-ZBE (ATX, PFC)	300W	AC 100 ~ 240 V (full-range)
PS8-400ATX-ZE (ATX, PFC)	400W	AC 100 ~ 240 V (full-range)

Optional Accessories

Part Number	Description
IDT-3120E	Mobile rack for converting a 3.5" 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

Spare Parts

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