

IPC-630

4U Rackmount Chassis for General Purpose Industrial Applications

NEW

PICMG 1.0

PICMG 1.3

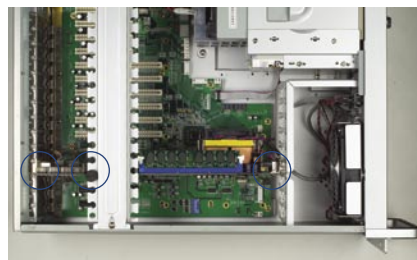
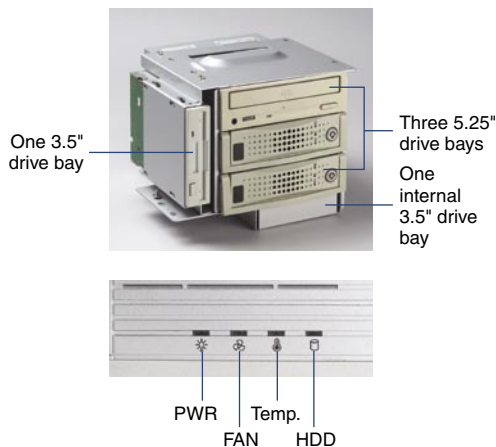


Features

- New generation 4U IPC chassis with world-class industrial design
- Supports either an ATX motherboard or a backplane up to 15 slots
- Shock-resistant drive bay design supports up to three 5.25" and two 3.5" (one external & one internal) disk drives
- Front indicators for alarm notification of redundant power supply, HDD activity, system fan & in-chassis temperature
- Reusable, front-accessible fan filters for easy system maintenance
- Supports front USB interface
- Lockable front door prevents unauthorized access
- Versatile power supply options from single PS/2 300 W / 400 W to redundant 300 W / 400 W power supplies

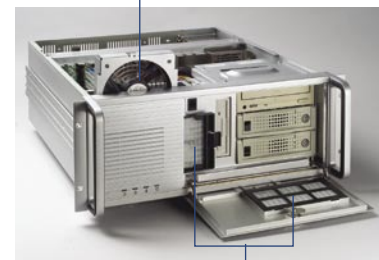
Specifications

Drive Bay		Front-accessible	Internal
	5.25"	3	
	3.5"	1	1
Cooling	Fan	1 x 114 CFM	
	Air Filters	Yes	
I/O Interface	USB	2 (front-accessible)	
Miscellaneous	Notification LEDs	PWR, HDD, Fan & Temperature	
	Rear Panel	BP version: One D-Sub 9-pin opening MB version: Five D-Sub 9-pin & one 68-pin SCSI openings	
	Slide Rails	General Devices (http://www.generaldevices.com) C-300 series supported (not included)	
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
	Acoustic Noise	Less than 52 dB sound pressure at 5 ~ 28° C (41 ~ 82° F)	
Physical Characteristics	Altitude	0 to 3,048 m (0 ~ 10,000 ft)	
	Dimensions (W x H x D)	IPC-630BP: 482 x 177 x 447 mm (19" x 7" x 17.6") IPC-630MB: 482 x 177 x 497 mm (19" x 7" x 19.6")	
	Weight	18.0 kg (39.6 lb)	



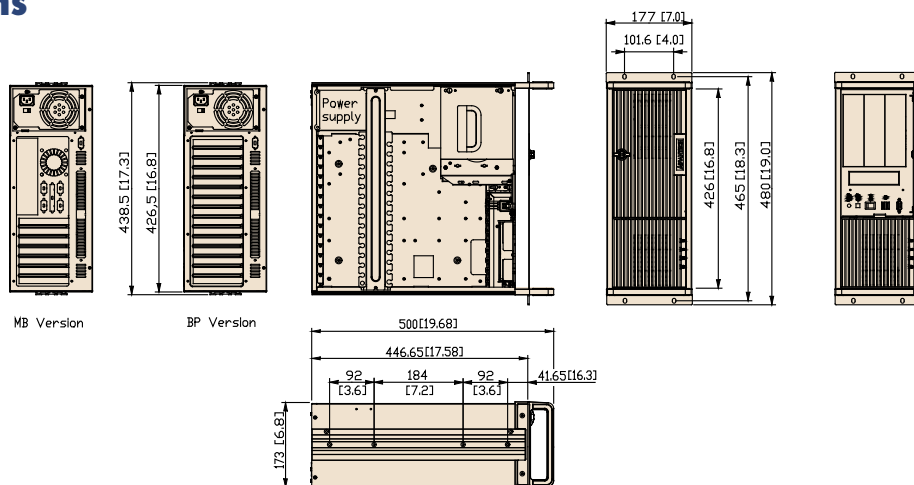
Enhanced anti-vibration mechanical design for PICMG 1.3 full-sized CPU card

Easy-to-replace system fan design



Reusable and easy-to-maintain fan filters

Dimensions



Unit: mm (inch)

Power Supply Options

Part Number	Watt	Input	Output	Specifications		
				Mini-load	Safety	MTBF
PS-300ATX-ZBE (ATX, PFC)	300 W	AC 100 ~ 240 V (full-range)	+5 V @ 30 A, +3.3 V @ 28 A, +12 V @ 15 A, -5 V @ 0.3 A, -12 V @ 0.3 A, +5 Vsb @ 2 A	+5 V @ 0.1 A, +3.3 V @ 0.3 A	UL/cUL/TUV/CB/CCC	100,000 hrs @ 25° C
PS-400ATX-ZBE (ATX, PFC)	400 W	AC 100 ~ 240 V (full-range)	+5 V @ 35 A, +3.3 V @ 25 A +12 V @ 30 A, -5 V @ 0.8 A -12 V @ 1 A, +5 Vsb @ 2 A	+5 V @ 3 A, +3.3 V @ 1 A +12 V @ 1 A, +5 Vsb @ 0.1 A	UL/cUL/TUV/CB/CCC	91,000 hrs @ 25° C
RPS-300ATX-ZE (ATX, PFC)	300 W	AC 100 ~ 240 V (full-range)	+5 V @ 25 A, +3.3 V @ 18 A +12 V @ 16 A, -5 V @ 0.5 A -12 V @ 1.2 A, +5 Vsb @ 2 A	+5 V @ 3 A, +3.3 V @ 1 A +12 V @ 2 A, +5 Vsb @ 0.1 A	UL/cUL/TUV/CB/CCC	100,000 hrs @ 25° C
RPS-400ATX-ZE (ATX, PFC)	400 W	AC 100 ~ 240 V (full-range)	+5 V @ 35 A, +3.3 V @ 25 A +12 V @ 28 A, -5 V @ 0.5 A -12 V @ 1.2 A, +5 Vsb @ 2 A	+5 V @ 3 A, +3.3 V @ 1 A +12 V @ 2 A, +5 Vsb @ 0.1 A	UL/cUL/TUV/CB/CCC	100,000 hrs @ 25° C

Passive Backplane Options

Part Number	Slot	Segment
PCE-5B12-64A1E	1 PICe x16, 6 PCI-X, 4 PCI, 1 PICMG (PICMG 1.3)	Single
PCA-6114-0B2E	14 ISA	Single
PCA-6114P4-0C2E	8 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P7-0D3E	4 ISA, 6 PCI, 3 PICMG, 1 PCI/ISA	Single
PCA-6114P10-0B2E	2 ISA, 10 PCI, 2 PICMG	Single
PCA-6113P4R-0C2E	7 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P12-0B3E	1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6113P7XE	4 ISA, 7 PCI (64-bit), 2 PICMG	Single
PCA-6114P12X-0A2E	1 ISA, 11 PCI (64-bit), 1 PICMG/PCI, 1 PICMG	Single

Ordering Information

Part Number	Power Supply	Motherboard/ Backplane	Regulation
MB version			
IPC-630MB-00XE	Without power supply, with ATX switch	Without	None
IPC-630MB-30ZE	PS-300ATX-ZBE	Without	CE
IPC-630MB-40ZE	PS-400ATX-ZBE	Without	CE
IPC-630MB-30RE	RPS-300ATX-ZE	Without	CE
BP version			
IPC-630BP-00XE	Without power supply, with ATX switch	Without	None
IPC-630BP-30ZE	PS-300ATX-ZBE	Without	CE
IPC-630BP-40ZE	PS-400ATX-ZBE	Without	CE
IPC-630BP-30RE	RPS-300ATX-ZE	Without	CE