

IPC-610-F

4U 14-slot Rackmount Chassis with ATX Motherboard Option



Features

- 4U-high 14-slot rackmount chassis
- Versatile power supply options
- Hot-swap 86-CFM cooling fan with filter
- Optional ATX motherboard version



Introduction

IPC-610-F is a 19" rackmount industrial computer chassis for mission-critical applications. This unit can accommodate a 14-slot PCI/ISA bus passive backplane or a standard ATX motherboard and supports versatile power supplies. A lockable door in the front secures the unit from any unauthorized access. One hot-swap filtered cooling fan maintains positive air circulation through the whole chassis. With its hold-down clamp and shock mounted drive brackets, IPC-610-F can withstand shock, vibration and dust found in harsh environments.

Specifications

		Front-accessible	Internal
Drive Bay	3.5"	1	1
	5.25"	3	
Cooling	Fan	1 (86 CFM)	
	Air Filter	Yes	
Miscellaneous	Hold-down Clamp	Rubber-buffered hold-down clamp	
Environment	Temperature	0 ~ 50 °C (32 ~ 122 °F), operating	
Physical	Dimensions (W x H x D)	IPC-610BP: 482 x 177 x 452 mm (19" x 7" x 17.8") IPC-610MB: 482 x 177 x 502 mm (19" x 7" x 19.76")	
	Weight	17.5 Kg (38.5 lb)	



Power switch



Hold-down clamp



One 3.5" drive bay

Three 5.25" drive bays

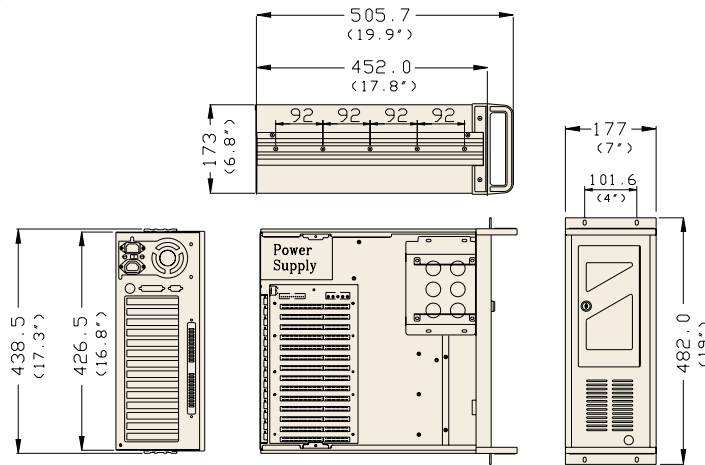
One internal 3.5" drive bay



One 86-CFM hot-swap cooling fan

Easily replaceable fan filter

Dimension Diagram



Unit: mm (inch)

Passive Backplane Options

Part Number	Slot	Segment
PCA-6114-0B1	14 ISA	Single
PCA-6114P4-C	8 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P7-0D2	6/7/1	Single
PCA-6114P10-B	2 ISA, 10 PCI, 2 PICMG	Single
PCA-6113P4R-0C1	7 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P12-0B1	1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6113P7X	4 ISA, 7 PCI (64-bit), 2 PICMG	Single
PCA-6114P12X-A1	1 ISA, 11 PCI (64-bit), 1 PICMG/PCI, 1 PICMG	Single

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
IPC-610BP-00PF	Without power supply, with AT switch	--	None
IPC-610BP-00XF	Without power supply, with ATX switch	--	None
IPC-610MB-00XF	Without power supply, with ATX switch	For ATX motherboard	None
IPC-610MB-25ZF	PS-250ATX-Z	For ATX motherboard	UL, cUL, CE
IPC-610MB-30ZF	PS-300ATX-ZB	For ATX motherboard	UL, cUL, CE
IPC-610BP-25ZF	PS-250ATX-Z	--	UL, cUL, CE
IPC-610BP-260F	PS-260-610E	--	UL, cUL, CE
IPC-610BP-30ZF	PS-300ATX-ZB	--	UL, cUL, CE
IPC-610BP-40ZF	PS-400ATX-Z	--	UL, cUL, CE
IPC-610BP-31DF	PS-310-DC48	--	CE
IPC-610BP-25RF	RPS-250-SDTB	--	UL, cUL, CE
IPC-610P4-25ZF	PS-250ATX-Z	PCA-6114P4-C	UL, cUL, CE
IPC-610P4-30ZF	PS-300ATX-ZB	PCA-6114P4-C	UL, cUL, CE
IPC-610P4-260F	PS-260-610E	PCA-6114P4-C	UL, cUL, CE

Power Supply Options

Part Number	Watt	Input	Specifications			
			Output	Mini-load	Safety	MTBF
PS-310-DC48 (AT)	310 W	DC -38 ~ -58 V	+5 V @ 25 A +12 V @ 10 A -5 V @ 1 A -12 V @ 5 A	+5 V @ 2 A	UL/CSA/CE	100,000 hours
RPS-250-SDTB (AT)	230 W / 200 W @ 40 °C	AC 110/220 V	+5 V @ 25 A +12 V @ 12 A -5 V @ 1 A -12 V @ 1 A	+5 V @ 4 A +12 V @ 1 A	UL/CE/CSA/TUV	250,000 hours @ 30 °C
PS-260-610E (AT)	260 W	AC 110/220 V	+5 V @ 25 A +12 V @ 9 A -5 V @ 0.5 A -12 V @ 2 A	+5 V @ 1 A +12 V @ 0.1 A	UL/CSA/CE/TUV	140,000 hours @ 50 °C full load
PS-250ATX-Z (ATX, PFC)	250 W	AC 95 - 132 V AC 190 - 264 V (Selectable)	+5V @ 27 A +3.3 V @ 20 A +12 V @ 13 A -12 V @ 0.8 A -5 V @ 0.3 A +5 Vsb @ 2 A	+5 V @ 0.5 A +12 V @ 0.3 A	UL/cUL/CSA, (UL60950 3rd)/ CE/EN61000-3-2 Class D/TUV/CB	100,000 hours @ 25 °C full load
PS-300ATX-ZB (ATX, PFC)	300 W	AC 90 - 264 V (Full-range)	+5 V @ 30 A +3.3 V @ 28 A +12 V @ 15 A -12 V @ 0.8 A -5 V @ 0.8 A +5 Vsb @ 2 A	+5 V @ 0.1 A +3.3 V @ 0.1 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CBC	100,000 hours @ 25 °C full load
PS-400ATX-Z (ATX, PFC)	400 W	AC 90 - 264 V (Full-range)	+5 V @ 42 A +3.3 V @ 20 A +12 V @ 14 A -12 V @ 1 A -5 V @ 1 A +5 Vsb @ 0.75 A	+5 V @ 2 A +12 V @ 0.5 A +3.3 V @ 0.2 A	UL/cUL(60950 3rd) CE (EN61000-3-2 Class D) FCC/TUV	100,000 hours @ 25 °C 75 % load

Black Color Chassis Options

IPC-610BP-00XFB	Without power supply	--	None
IPC-610BP-30ZFB	PS-300ATX-ZB	--	UL, cUL, CE
IPC-610MB-00XFB	Without power supply	(motherboard version)	None
IPC-610MB-30ZFB	PS-300ATX-ZB	(motherboard version)	UL, cUL, CE

Rear I/O window is separately installed to support the ATX motherboard



Motherboard version



Backplane version (black color chassis)