

IPC-610

14-slot Rackmount IPC Chassis



Features

- Designed to withstand environmental extremes such as shock, vibration and high temperature
- Supports 14-slot ISA or ISA/PCI backplanes
- Supports up to four front-access disk drives (three half-height, one 3.5") and one internal 3.5" HDD
- One 86 CFM cooling fan with air filter

Specifications

- **Construction:** heavy-duty steel
- **Disk Drive Bay:** supports up to 3 front-access half-height drives and one 3.5" FDD, as well as 1 internal 3.5" HDDs
- **Cooling Fan:** one 86 CFM cooling fan with air filter
- **Controls:** power on/off switch and reset button
- **Keyboard Connector:** pre-wired 5-pin DIN connectors on both the front and rear panel
- **Indicators:** LEDs for power on/off, HDD activity and keyboard lock
- ATX M/B version is also available
- **Dimensions (W x H x D):** 482 x 177 x 452 mm (19" x 7" x 17.8")
- **Weight:** 17.5 kg (38.5 lb)
- **Paint Color:** PANTONE 414U
- **Operating Temperature:** 0° ~ 50° C (32° ~ 122° F)
- **Relative Humidity:** 5% ~ 95% @ 40° C, non-condensing
- **CE compliant**
- **UL, C-UL approved**



Shock resistant disk drive bay supports up to five disk drives

Power Supply Specifications

Model Name	Specifications					
	Watts	Input	Output	Min. load	Safety	MTBF
PS-300ATX (ATX)	300 W	110/220V _{AC}	+5 V @ 30 A +3.3 V @ 26 A (Max. 220 W for +5 V & +3.3 V) +12 V @ 13 A -12 V @ 0.8 A -5 V @ 0.5 A (Max. 0.8 A for -12 V & -5 V) +5 V _{SS} @ 2 A	+5 V @ 1 A +12 V @ 0.2 A	CUL, UL, TUV, CE, CSA, NORDIC, CB	100,000 hours @ 25° C Max Load
PS-310-DC48 (AT)	310 W	-48 V _{DC}	+5 V @ 25 A +12 V @ 10 A -5 V @ 1 A -12 V @ 5 A	+5 V @ 3 A +12 V @ 1 A	UL, CE	100,000 hours @ 25° C
PS-250-SDBT (AT Redundant)	250 W	110/220V _{AC}	+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, CSA, TUV	100,000 hours @ 30° C
PS-260-610E (AT)	260 W	110/220V _{AC}	+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, TUV, CE	140,000 hours @ 50° C
PS-250X-DPS (ATX)	250 W @ 25° C 200 W @ 50° C	110/220V _{AC}	+5 V @ 25 A +12 V @ 8 A +3.3 V @ 14 A -5 V @ 0.5 A -12 V @ 0.8 A +5 V _{SS} @ 1 A	+5 V @ 1.5 A +12 V @ 0.2 A	UL, CSA, TUV, CE, NORDIC, CB	100,000 hours @ 25° C
PS-300ATX-Z	300 W	110/220V _{AC}	+5 V @ 30 A -5 V @ 0.3 A +12 V @ 15 A -12 V @ 0.8 A +3.3 V @ 24 A +5 V _{SS} @ 2 A	+5 V @ 1 A +12 V @ 0.5 A +3.3 V @ 0.3 A	CUL, UL, CE, CSA, EN61000 -3-2 Class D, TUV, NORDIC, CB	100,000 hours @ 25° C 275 W Load
PS-400ATX-Z	400 W	110/220V _{AC}	+5 V @ 42 A -5 V @ 1 A +12 V @ 14 A -12 V @ 1 A +3.3 V @ 20 A +5 V _{SS} @ 0.75 A	+5 V @ 1 A +12 V @ 0.5 A +3.3 V @ 0.3 A	UL, CUL, TUV, CE	100,000 hours @ 25° C 275 W Load

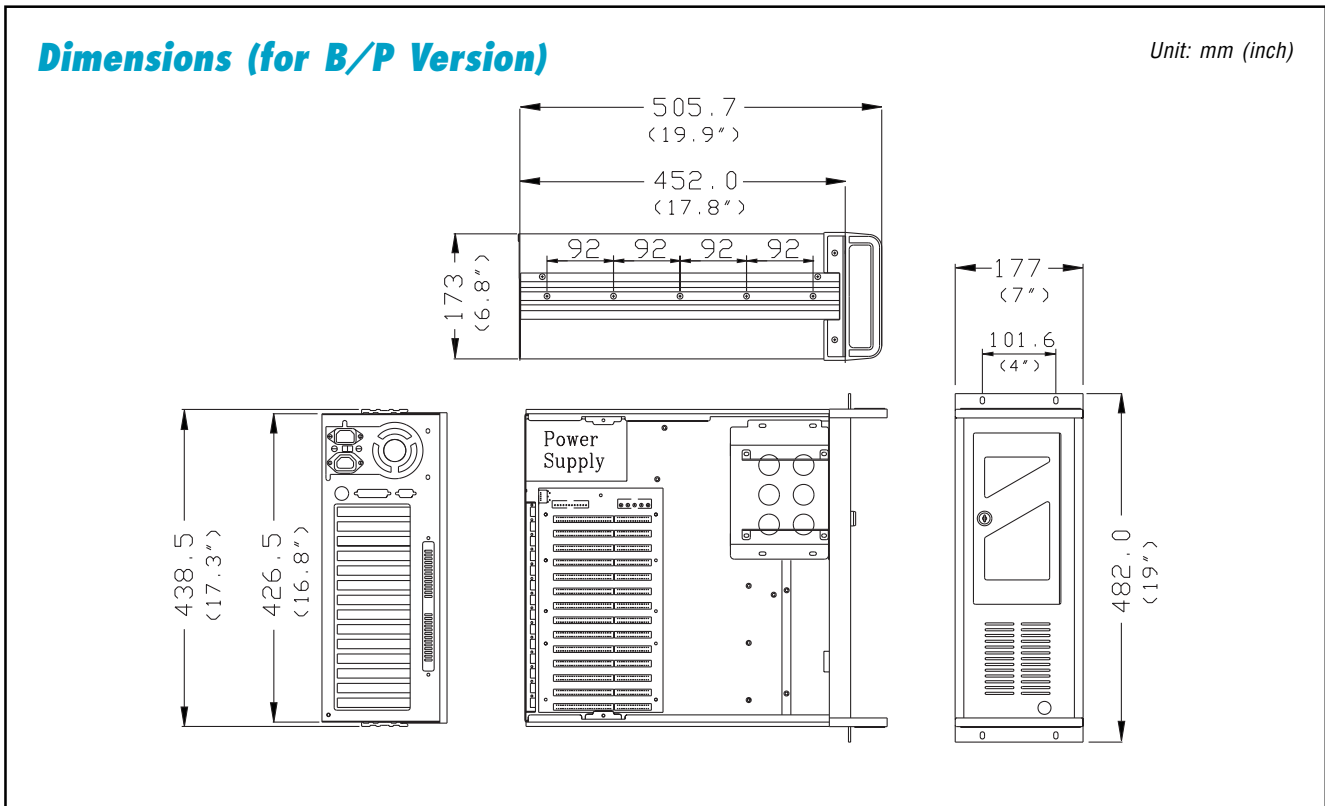
UL/CSA/TÜV/CE approved



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Dimensions (for B/P Version)

Unit: mm (inch)



Ordering Information

For flexible system integration, Advantech provides the following integration options for your specific needs. Please kindly note the barebone models are equipped with power supplies but no backplane. You may choose the required backplane from the backplane options, and integrate it into the chassis on your own.

Backplane-integrated Chassis

Ordering P/N	With Power Supply	With Backplane
IPC-610-30XF	PS-300 ATX	PCA-6114
IPC-610P4-30XF	PS-300 ATX	PCA-6114P4

Barebone Chassis (with power supply but no backplane)

Ordering P/N	With Power Supply	With Backplane
IPC-610BP-30XF	PS-300 ATX	--
IPC-610BP-31DF	PS-310-DC48	--
IPC-610BP-25RF	PS-250-SDTB	--
IPC-610MB-30XF	PS-300 ATX	(Motherboard version)
IPC-610MB-30ZF	PS-300 ATX-Z	--
IPC-610BP-30ZF	PS-300 ATX-Z	--
Optional Black Color Chassis		
IPC-610BP-30XFB	PS-300 ATX	--
IPC-610MB-31XFB	PS-300 ATX	(Motherboard version)
IPC-610BP-30Z	PS-300 ATX-Z	--

Passive Backplane Options

Model Name	Slots per Segment (ISA/PCI/CPU)	Segment
PCA-6114P4-B	9/4/1	Single
PCA-6114P7-C	6/7/1	Single
PCA-6114P10	3/10/1	Single
PCA-6113P4R	8/4/1	Single
PCA-6114P12	1/12/1	Single