

IPC-610

14-slot Rackmount IPC Chassis



Features

- IPC-610 is designed to withstand environmental extremes such as shock, vibration and high temperature
- Support 14-slot ISA or ISA/PCI backplanes
- Special versions support Baby-ATX mainboards and ATX mainboards
- Supports up to three half-height front-access disk drives and one 3.5" drive, as well as one internal HDD
- One 86 CFM cooling fan with air filter
- Optional black color chassis.

Specifications

- **Construction:** Heavy-duty steel
- **Disk drive bay:** Supports up to three front-access half-height drives and one 3.5" drive, as well as one internal 3.5" HDDs
- **Cooling fan:** One hot-swappable 86 CFM cooling fan with air filter
- **Controls:** Power On/Off switch and reset button
- **Keyboard connector:** AT Keyboard connectors available on rear panel
- **Indicators:** LEDs for power On/Off, HDD activity and keyboard lock
- **ATX motherboard version (IPC-610MB) is also available**
- **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)
- **Paint color:** PANTONE 414U
- **Operating temperature:** 0 ~ 50° C (32 ~ 122° F)
- **Relative humidity:** 5 ~ 95% @ 40° C, non-condensing
- CE compliant

Power Supply Specifications

Model Name	Specifications					
	Watt	Input	Output (Max.)	Mini-load	Safety	MTBF
PS-300ATX (ATX)	300 W	110/220 V _{AC}	+5 V @ 30 A +3.3 V @ 26 A (Max. 220 W for +5V & 3.3V) +12 V @ 13A -12 V @ 0.8A -5 V @ 0.5 A (Max. 0.8A for -12V & -5V) +5V _{SB} @ 2 A	+5 V @ 1 A +12 V @ 0.2 A	UL, CUL, CB, CCIB, CE, CCEE, Nemko, TUV, BSMII	100,000 hours @ 25° C
RPS-250-SDTB (AT Redundant)	250 W	110/220 V _{AC}	+5 V @ 15 A +12 V @ 12 A -5 V @ 1 A -12 V @ 1 A	+5 V @ 4 A +12 V @ 1 A	UL, CSA, TUV	250,000 hours @ 30° C
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

Flexible support for ATX Motherboard Integration



Hot-swap cooling fan and easy maintenance air filter

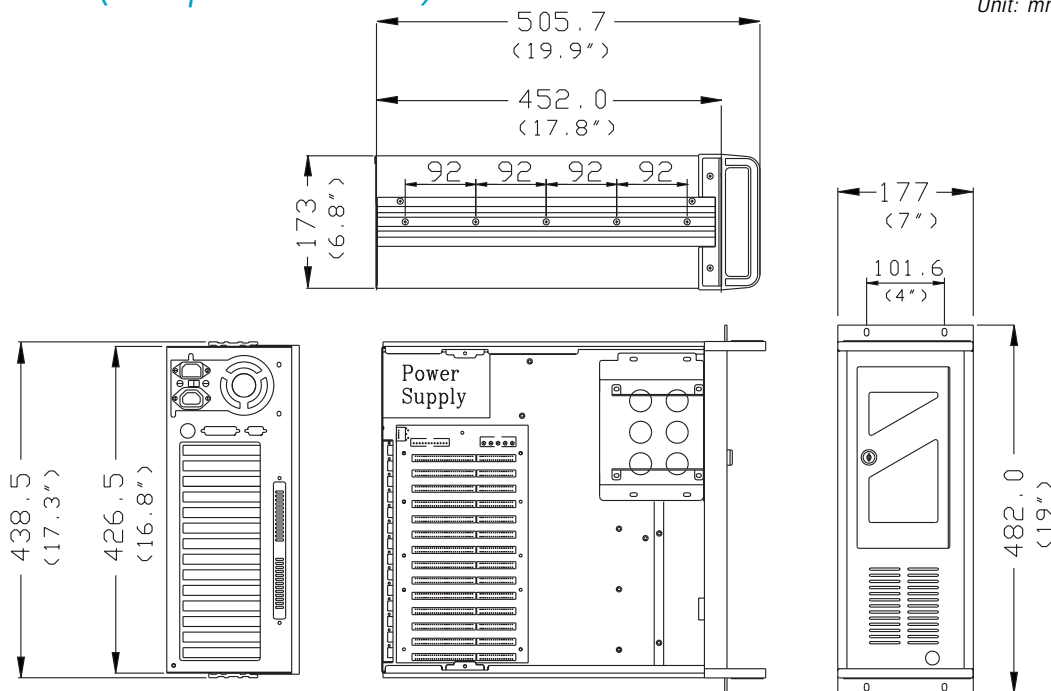


Shock-resistant disk drive bay with 3 x front-access half-height, 1 x 3.5" disk drive and one internal 3.5" HDD



Dimensions (Backplane 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-300ATX	PCA-6114
IPC-610P4-30XF	PS-300ATX	PCA-6114P4

Barebone Chassis (with power supply but no backplane)

Ordering P/N	With Power Supply
IPC-610BP-30XF	PS-300ATX
IPC-610BP-31DF	PS-310-DC48
IPC-610BP-25RF	RPS-250-SDTB
Optional Black Chassis	
IPC-610BP-30XFB	PS-300ATX

Chassis for Motherboard

Ordering P/N	With Power Supply
IPC-610MB-30XF	PS-300ATX
Optional Black Chassis	
IPC-610MB-30XFB	PS-300ATX

Passive Backplane Options

Model Name	Slots per Segment (ISA/PCI/CPU)	Segment
PCA-6114	14 ISA	Single
PCA-6114P4	9 / 4 / 1	Single
PCA-6114P7	6 / 7 / 1	Single
PCA-6114P10	3 / 10 / 1	Single
PCA-6113P4R	8 / 4 / 1	Single
* PCA-6114P12	1 / 12 / 1	Single

* Contact Advantech for availability