IPC-611

Features

- User-friendly and front-accessible filter for system maintenance
- Visible power and HDD activity notification improves system availability
- Compatible with Dialogic computer telephony (CT) boards, and provides access to the widest range of call processing application
- Advanced cooling system with one system fan optimally placed to cool system key components
- Shock-resistant disk drive bay holds three 5.25" and one 3.5" front-accessible disk drives
- Flexible mechanical design supports both 300 W ATX PFC PS/2 power supply and 300 W ATX PFC redundant power supply
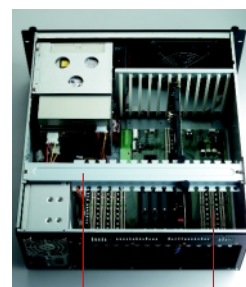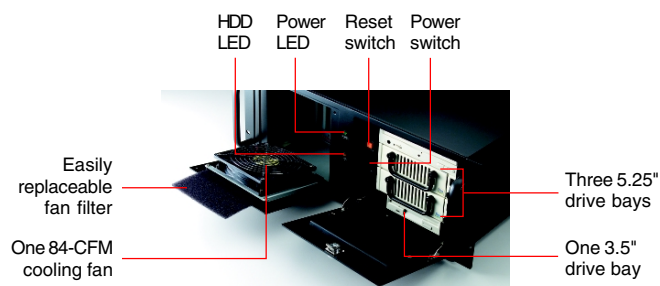
Introduction

The IPC-611 is a 4U height 14-slot rackmount IPC chassis designed for building blocks and mission-critical applications. This rugged, all-steel chassis meets EIA RS-310C 19" rackmount standard. IPC-611 comes with four shockproof and front accessed drive bays, three 5.25" & one 3.5". The unit includes a versatile 14-slot passive-backplane and ATX M/B form factor, a high-efficiency 250 W ATX with PFC (power factor correction) power supply and one easy maintenance cooling fan which provides abundant cooling. For high-density request, the IPC-611 supports full length 12-slot for high-density applications; or supports up to 12" x 9.6" M/B form factor. The flexible mechanical design provides single PS/2 or redundant power supply through replacement of a power supply bracket. A wide range of standard computing peripherals can be integrated with the chassis to meet different application development under mission-critical environments 24 hours a day, 7 days a week.

Specifications

Drive Bay		Front-accessible	
	3.5"	1	
	5.25"	3	
Cooling	Fan	1 (84 CFM/each)	
	Air Filter	Yes	
Miscellaneous	Slide Rail	General Device C-300 series supported (not included)	
	Indicator	LED displays for power on and HDD activity	
	Rear Panel	D-SUB 9-pin and 25-pin bracket	
		Operating	Non-Operating
Environment	Temperature	0 ~ 40 °C (32 ~ 104 °F)	-40 ~ 60 °C (-40 ~ 140 °F)
	Humidity	--	10 ~ 95 % @ 40 °C, non-condensing
	Vibration (5-500 Hz)	1 Grms	2 G
	Shock	10 G (With 11 msec duration, 1/2 sine wave)	30 G
	Acoustic Noise	Less than 52 dB sound pressure at 5 ~ 28 °C (41 ~ 82 °F)	
	Altitude	0 to 3048 m (0 ~ 10,000 ft)	
Physical	Dimensions (W x H x D)	482 x 177 x 480 mm (19" x 7" x 18.9")	
	Weight	10.2 Kg (22.5 lb)	

HDD LED · Power LED · Reset switch · Power switch

Easily replaceable fan filter

One 84-CFM cooling fan

Three 5.25" drive bays

One 3.5" drive bay

Hold-down clamp · Max. 14-slot backplane

Motherboard allocation

Dimension Diagram

426 [16.8]

177 [7.0]   101.6 [4.0]

426 [16.8]
465 [18.3]
482 [19.0]

98 [3.9] 92 [3.6] 92 [3.6] 92 [3.6]
477.4 [18.8]
486.7 [19.2]

INDUSTRIAL COMPUTER 610L   ADVANTECH
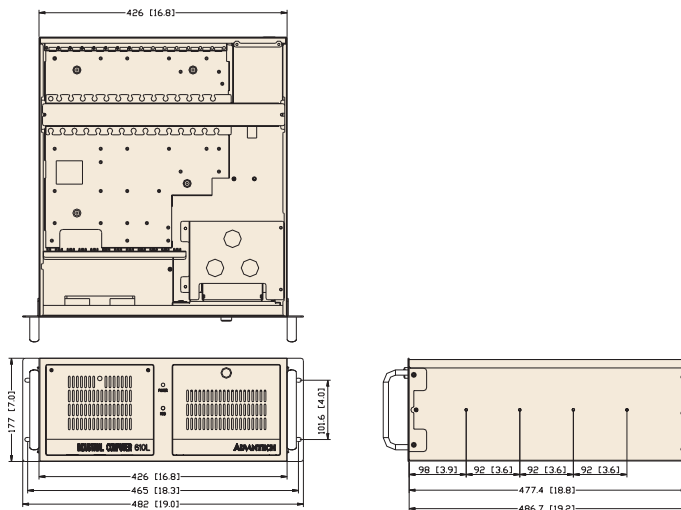
Unit: mm (inch)

Passive Backplane Options

B/P Model Name	Slot	Segment
PCA-6113P4R-0C1	7 ISA, 4 PCI, 2 PICMG	Single
PCA-6113P7X	4 ISA, 7 PCI (64-bit), 2 PICMG	Single
PCA-6114P4-C	8 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P7-0D1	4 ISA, 6 PCI, 3 PICMG, 1 PCI/ISA	Single
PCA-6114P10-B	2 ISA, 10 PCI, 2 PICMG	Single
PCA-6114P12-0B1	1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	Single

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
PS-250ATX-Z (ATX, PFC)	250 W	AC 95 ~ 132 V AC 190 ~ 264 V (Selectable)	+5 V @ 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 EN61000-3-2Class D /TÜV/CB	100,000 hours @ 25 °C full load
PS-300ATX-Z (ATX, PFC)	300 W	AC 90 ~ 135 V (Full-range)	+5 V @ 30 A +3.3 V @ 24 A +12 V @ 15 A -12 V @ 0.8 A -5 V @ 0.3 A +5Vsb @2 A	+5 V @ 1 A +12 V @ 0.5 A +3.3V @ 0.3 A	UL/cUL/CSA/CE EN61000-3-2Class D /TÜV/Nordic/CB	100,000 hours @ 25 °C 275 W load
RPS-300ATX-Z (ATX, PFC)	300 W	AC 90 ~ 264 V (Full-range)	+5 V @ 25 A +3.3 V @ 18 A +12 V @ 16 A -12 V @ 0.5 A -5 V @ 0.5 A +5 Vsb @ 2 A	+5 V @ 3 A +3.3 V @ 1 A +12 V @ 2 A +5 Vsb @ 0.1 A	UL/TÜV/CB	150,000 hours @ 25 °C full road
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 @ 25 °C

Ordering Information

Part Number	With Power Supply	With Backplane or Motherboard	Regulation
IPC-611BP-00P	Without power supply, with AT switch	--	None
IPC-611BP-00X	Without power supply, with ATX switch	--	None
IPC-611MB-00X	Without power supply, with ATX switch	(motherboard version)	None
IPC-611BP-25Z	PS-250ATX-Z	--	UL, cUL, CE
IPC-611P4-25Z	PS-250ATX-Z	PCA-6114P4-C	UL,cUL,CE
IPC-611MB-25Z	PS-250ATX-Z	(motherboard version)	None
IPC-611BP-30Z	PS-300ATX-Z	--	UL, cUL, CE
IPC-611MB-30Z	PS-300ATX-Z	(motherboard version)	None

Rear panel of backplane version

Rear panel of motherboard version