

ACP-4060

4U 14-slot Rackmount Chassis with 6.4" LCD Display



Features

- 4U-high 19" Rackmount chassis with 6.4" TFT display, OSD features, slim type keyboard and touch pad
- All-in-one space saving IPC system provides low-cost
- Equipped with 250 W ATX PFC PS/2 power supply
- Easy installation front accessible disk drive bays to hold three half-height drives
- Designed to withstand environmental extremes, such as shock, vibration and high temperature
- Optional ATX motherboard version and 300 W PFC P/S

Introduction

ACP-4060 is a 4U-high 19" rackmount industrial computer chassis with versatile optional 14-slot backplane designed for mission-critical applications. The unit includes a 6.4" front viewable LCD TFT display, built-in A/D board, OSD (On Screen Display) features and a slim type keyboard and touch pad. The high-efficiency 250 W or 300 W ATX PFC (Power Factor Correction) power supply and dual easy maintenance cooling fans provide reliable power and cooling. It is an all-in-one cost-effective platform for multiple high-priority applications.

A front viewable system status LED monitors the power, HDD and LCD activity. Advanced user-friendly OSC (On Screen Control) function keys support the LCD display. Behind the door are accessible system reset, power switch and USB which supports a wide range of peripheral devices for data transfer. ACP-4060's flexible mechanical design supports single PS/2 or redundant power supply through a power bracket replacement.



OSD power
LCD Display
HDD LED
Power LED
Slim type keyboard and touch pad



OSD function keys
Reset button
Two USB ports
Power switch
Three 5.25" drive bays



Two replaceable 84-CFM cooling fans
Hold-down clamp



VGA convert cable
Keyboard convert cable

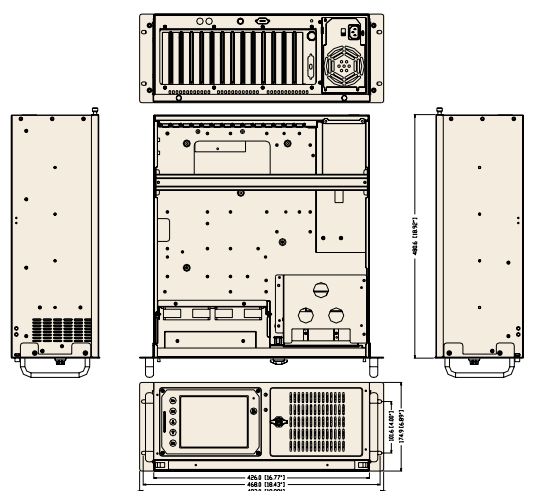
Specifications

Drive Bay	5.25"	Front-accessible	Internal
	3.5"	3	
Cooling	Fan	2 (84 CFM/each)	
	Air Filter	Yes (front door and side chassis)	
I/O Interface	USB	2 (front accessible behind the door)	
	PS/2	1 (K/B & Mouse input at rear)	
	VGA	1 (D-SUB 15-pin female input at rear)	
Miscellaneous	LCD	6.4" (diagonal) TFT, 640 x 480, 150 cd/m ²	
	Keyboard	Slim type K/B US version 88 keys	
	Touchpad	Standard IMB PS/2, 2 button mouse, compatible with all PS/2 mouse drivers	
	Slide Rail	General Device C-300 series supported (not included)	
	Indicator	Power, HDD and LCD activity	
	Rear panel	D-SUB 25-pin bracket	
Environment	Temperature	Operating: 0 ~ 40 °C (32 ~ 104 °F) Non-Operating: -40 ~ 60 °C (-40 ~ 140 °F)	
	Humidity	10 ~ 85 % @ 40 °C, non-condensing	10 ~ 95 % @ 40 °C, non-condensing
	Vibration (5 ~ 500 MHz)	1 Grms	2 G
	Shock	10 G (With 11 msec duration, 1/2 sine wave)	30 G
	Acoustic Noise	Less than 52dB 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	18 kg (39.6 lb)	

Power Supply Options

Part Number	Watt	Input	Output	Specifications		
				Mini-load	Safety	MTBF
PS-250ATX-Z (ATX, PFC)	250 W	95 ~ 132 V _{AC} 190 ~ 264 V _{AC} (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 +3.3 V @ 0.3 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25 °C full load
PS-300ATX-ZB (ATX, PFC)	300 W	100 ~ 240 V _{AC} (Full-range)	+5 V @ 30 A, +3.3 V @ 28 A +12 V @ 15 A, -12 V @ 0.8 A -5 V @ 0.3 A, +5 Vsb @ 2 A	+5 V @ 0.1 A +3.3 V @ 0.3 A	UL/cUL (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25 °C full load

Dimension Diagram



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	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
PCA-6114P12X-A1	1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6113P4R-0C1	7 ISA, 4 PCI, 2 PICMG	Single
PCA-6113P7X	4 ISA, 7 PCI, 2 PICMG	Single
PCA-6113DP4-0A1	2 ISA, 7 PCI, 3 PICMG, 1 PICMG/PCI	Dual

Ordering Information

Part Number	With Power Supply	With Backplane	Regulation
ACP-4060BP-00X	Without power supply, with ATX switch	--	None
ACP-4060BP-25Z	PS-250ATX-Z	--	UL, cUL, CE
ACP-4060P4-25Z	PS-250ATX-Z	PCA-6114P4-C	UL, cUL, CE
ACP-4060BP-30Z	PS-300ATX-ZB	--	UL, cUL, CE
ACP-4060P4-30Z	PS-300ATX-ZB	PCA-6114P4-C	UL, cUL, CE