

ACP-2000/ IPC-602

2U 6-slot Rackmount Chassis with Front USB and PS/2 Interfaces



ACP-2000



Features

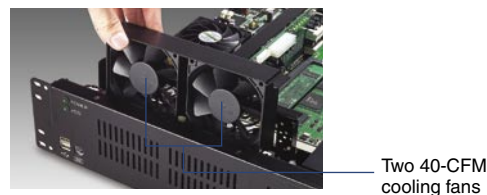
- 2U-high rackmount chassis supports up to 6 cards
- Butterfly backplane design
- Front-accessible USB and PS/2 connectors
- 250 W / 300 W AC ATX and DC power supply options
- Two 40-CFM cooling fans with air filter
- Recommended CPU cards for optimum integration
- Lockable front door prevents unauthorized access
- System alarm notification by front LED indicators (ACP-2000 only)

Specifications

		Front-accessible	Internal
Drive Bay	Slim optical disk drive	1/-	
	3.5"	2/1	-/1
	5.25"	-/1	-
Cooling	Fan	2 (47 CFM each)/2 (40 CFM each)	
	Air Filter	Yes	
I/O Interface	USB	2 (front-accessible)	
	PS/2	PS/2 keyboard & mouse, or PS/2 keyboard only, depending on the enclosed CPU board	
Miscellaneous	Notification LEDs	Power status and HDD activity; Fan, Temperature for ACP-2000 only	
	Rear Panel	Reserved one 9-pin D-Sub opening	
Environment		Operating	Non-Operating
	Temperature	0 ~ 40° C (32 ~ 104° F)	-20 ~ 60° C (-4 ~ 140° F)
	Humidity	10 ~ 85 % @ 40° C, non-condensing	10 ~ 95 % @ 40° C, non-condensing
	Vibration (5 ~ 500 Hz)	0.5 Grms	2 G
	Shock	10 G (with 11 ms duration, half sine wave)	30 G
	Acoustic Noise	Less than 52 dB sound pressure at 5 ~ 28° C (41 ~ 82° F)	
Physical Characteristics	Altitude	0 to 3,048 m (0 ~ 10,000 ft)	
	Dimensions (W x H x D)	482 x 88 x 450 mm (19" x 3.5" x 17.7")	
	Weight	13.5 kg (29.7 lb)/13.0 kg (28.6 lb)	

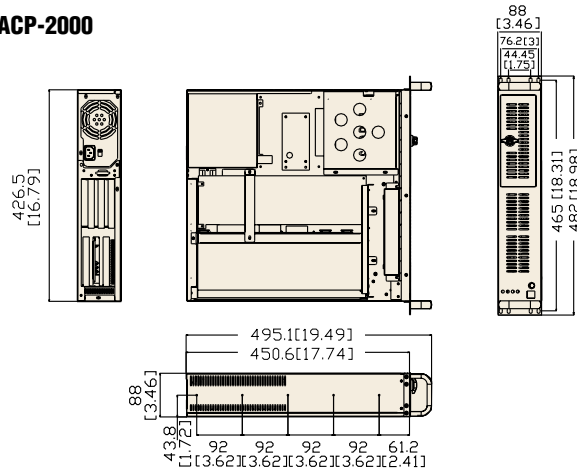


IPC-602 Front View

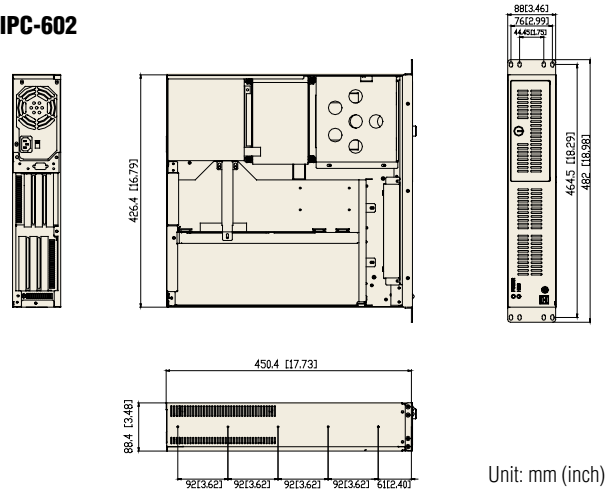


Dimensions

ACP-2000



IPC-602



Unit: mm (inch)

Power Supply Options

Part Number	Watt	Input	Output	Specifications		Safety	MTBF
				Mini-load			
PS-250ATX-ZE (ATX, PFC) (IPC-602 only)	250 W	AC 115/230 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 @ 1.5 A +12 V @ 0.3 A		UL/TUV/CB/CCC	100,000 hours @ 25° C
PS-300ATX-ZBE (ATX, PFC)	300 W	AC 100 ~ 240 V (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/TUV/CB/CCC	100,000 hours @ 25° C
PS-400ATX-ZBE (ATX, PFC) (IPC-602 only)	400 W	AC 100 ~ 240 V (full-range)	+5 V @ 35 A, +3.3 V @ 25 A +12 V @ 30 A, -12 V @ 1 A -5 V @ 0.8 A, +5 Vsb @ 2 A	+5 V @ 3 A +12 V @ 1 A +3.3 V @ 1 A		UL/TUV/CB/CCC	91,000 hours @ 25° C
PS-300ATX-DC48E (ATX)	300 W	DC -48 V	+3.3 V @ 28 A, +5 V @ 30 A, +12 V @ 15 A, -5 V @ 0.3 A, -12 V @ 0.8 A, +5 Vsb @ 2 A	+5 V @ 0.3 A, +3.3 V @ 0.3 A, +12 V @ 0.2 A		UL/TUV/CB/CCC	100,000 hours @ 25° C
RPS-300ATX-ZE (ATX, PFC) (ACP-2000 only)	300 W	AC 100 ~ 240 V (full-range)	+5 V @ 25 A, +3.3 V @ 18 A +12 V @ 16 A, -12 V @ 1.5 A -5 V @ 0.5 A, +5 Vsb @ 2 A	+5 V @ 3 A +3.3 V @ 1 A +12 V @ 2 A +5Vsb @ 0.1 A		UL/TUV/CB/CCC	100,000 hours @ 25° C

Accessories

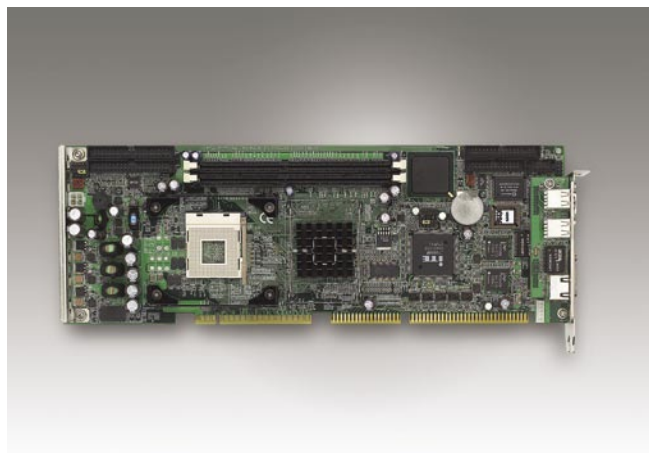
Part Number	Description
1701400652	HDD cable, ATA 66/100, 45 cm + 20 cm
1750000257	2U-high P4 Socket 478 CPU cooler up to 3.2 GHz (89 W)
1750000432	Low profile P4 CPU cooler up to 2.8 GHz (0.13 micron 70 W)
96CD-52X-I-AS-B3	Black 5.25" 52X CD-ROM
96DVR-40X-I-AS-B	Black 5.25" 16X/40X/24X DVDRW-ROM
96FDD-144-TE-B1	Black 3.5" FDD
SCD-COMBOE	Black 5.25" compact storage kit with slim 24X CD-ROM and a 3.5" drive bay for FDD or HDD
SDVD-COMBOE	Black 5.25" compact storage kit with slim 8X DVD + 24X CD-RW and a 3.5" drive bay for HDD/FDD
SCD-FDD-COMBOE	Black 5.25" storage kit with slim 24X CD-ROM and standard 3.5" black FDD
SDVD-FDD-COMBOE	Black 5.25" storage kit with slim 8X DVD + 24X CD-RW and standard 3.5" FDD

Ordering Information

Part Number	Power Supply	Backplane	Regulation
PICMG 1.0			
ACP-2000P3-00XE	Without power supply, with ATX switch	969K610621E (PCA-6106P3V)	-
ACP-2000P3-30ZE	PS-300ATX-ZBE	969K610621E (PCA-6106P3V)	CE
ACP-2000P3-30RE	RPS-300ATX-ZE	969K610621E (PCA-6106P3V)	CE
ACP-2000P4-00XE	Without power supply, with ATX switch	969K610510E (PCA-6105P4V)	-
ACP-2000P4-30ZE	PS-300ATX-ZBE	969K610510E (PCA-6105P4V)	CE
ACP-2000P4-30RE	RPS-300ATX-ZE	969K610510E (PCA-6105P4V)	CE
ACP-2000X3-00XE	Without power supply with ATX switch	9692610691E (PCA-6106P3VX)	-
IPC-602P3-00XBE	Without power supply, with ATX switch	969K610621E (PCA-6106P3V)	-
IPC-602P3-25ZBE	PS-250ATX-ZE	969K610621E (PCA-6106P3V)	CE
IPC-602P3-30ZBE	PS-300ATX-ZBE	969K610621E (PCA-6106P3V)	CE
IPC-602P4-00XBE	Without power supply, with ATX switch	969K610510E (PCA-6105P4V)	-
IPC-602P4-25ZBE	PS-250ATX-ZE	969K610510E (PCA-6105P4V)	CE
IPC-602P4-30ZBE	PS-300ATX-ZBE	969K610510E (PCA-6105P4V)	CE
PICMG 1.3			
ACP-2000EBP-00XE	Without power supply, with ATX switch	-	-
ACP-2000EBP-30ZE	PS-300ATX-ZBE	-	CE

PCA-6186-B

Socket 478 Pentium® 4/Celeron® D/Celeron Processor Card with VGA/Dual GbE LAN



Features

- Socket 478 Pentium® 4/Celeron® D/Celeron up to 3.06/3.06/2.8 GHz
- Supports Intel® Hyper-Threading technology
- Intel 845GV chipset 400/533 MHz FSB
- Onboard integrated VGA controller, shared memory architecture
- Supports dual 10/100Base-T Ethernet or dual 10/100/1000Base-T Ethernet
- Six USB 2.0 ports
- CMOS automatic backup and restore to prevent accidental data loss of BIOS setup



Specifications

Processor System	CPU	Intel Pentium 4	Intel Celeron D	Intel Celeron
	Max. Speed	3.06 GHz	3.06 GHz	2.8 GHz
	L2 Cache	256/512 KB	256 KB	128 KB
	Chipset	Intel 845 GV + ICH4		
	BIOS	Award™ 4 Mbit FWH		
	Front Side Bus	400/533 MHz		
Bus	PCI	32-bit/33 MHz		
	ISA	HISA (ISA high drive)		
Memory	Technology	DDR 200/266/333 SDRAM		
	Max. Capacity	2 GB		
	Socket	184-pin DIMM x 2		
Graphic	Controller	Chipset integrated VGA controller		
	VRAM	Dynamically shared system memory 8 ~ 64 MB		
Ethernet	Interface	10/100Base-T; 10/100/1000Base-T (optional)		
	Controller	LAN 1: Intel 82562 (FE); Intel 82541 (Gigabit), LAN 2: Intel 82551 (FE); Intel 82541 (Gigabit)		
	Connector	RJ-45 x 2		
EIDE	Mode	ATA 100/66/33		
	Channel	2 (Max. 4 devices)		
I/O Interface	USB	Max. 6 (USB 2.0 compliant), 4 ports onboard for E2, G2 versions		
	Serial	2 (RS-232)		
	Parallel	1 (SPP/EPP/ECP)		
	FDD	1		
	PS/2	1 (for LV, VE, VG, G2 versions), 2 (for E2 version)		
Watchdog Timer	Output	Interrupt, system reset		
	Interval	Programmable, 1 ~ 255 sec.		
Miscellaneous	Audio Output	AC-97 audio interface (requires an audio extension module P/N: PCA-AUDIO-00A1E)		
Power Requirement	Typical	Pentium 4 2.8 GHz 533 MHz, DDR 333 1 GB x 2		
		+5 V (3.23 A) -5 V (0.1 A)	+12 V (4.64 A)	-12 V (0.2 A)
Environment	Operating	0 ~ 60° C (32 ~ 140° F), depends on CPU's speed	Non-Operating	
			-20 ~ 70° C (-4 ~ 158° F)	
Physical Characteristics	Temperature			
	Dimensions (W x D)	338 x 122 mm (13.3" x 4.8")		

Ordering Information

Part Number	VGA	Fast Ethernet LAN	Gigabit LAN
PCA-6186LV-00B2E	Yes	-	-
PCA-6186VE-00B2E	Yes	Single	-
PCA-6186E2-00B2E	Yes	Dual	-
PCA-6186VG-00B2E	Yes	-	Single
PCA-6186G2-00B2E	Yes	-	Dual

Bracket View



PCA-6186LV-00B2E



PCA-6186VE-00B2E
PCA-6186VG-00B2E



PCA-6186E2-00B2E



PCA-6186G2-00B2E

Packing List

Part Number	Description	Quantity
1700340640	FDD cable	x 1
1701400452	IDE HDD cable	x 2
1701260305	Printer + COM cable	x 1
1700060202	Y cable for PS/2 mouse & keyboard (LV, VE, VG, G2 versions only)	x 1
9689000068	Jumper pack	x 1
1962159010	Single slot bracket (E2, G2 versions only)	x 1
-	Startup manual	x 1
-	Utility CD	x 1
170304015K	ATX 12 V power converter cable	x 1

Accessories

Part Number	Description
1700100170	USB cable with 2 ports
PCA-USB4-00A1E	USB extension module with 4 ports
1750000242	CPU cooler for Pentium 4 processor up to 2.5 GHz (70 W)
1750000257	CPU cooler for Pentium 4 processor up to 3.2 GHz (89 W), for 2U or higher chassis
2070000127	Embedded Windows XP Kit