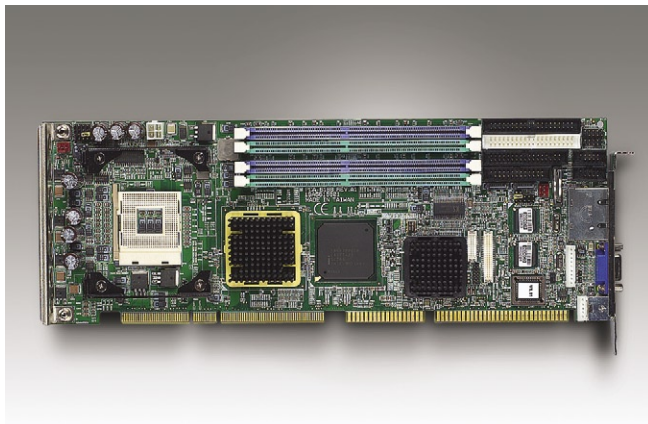


PCA-6188

**Socket 478 Pentium® 4/Celeron® D/Celeron Processor Card with 64-bit PCI-X/VGA/
Dual Gigabit LAN/HISA (400/533/800 MHz FSB)**



Features

- Supports up to 2 Serial-ATA devices
- Supports Dual Channel DDR 266/ 333/ 400 SDRAM
- Intel® 875P chipset 400/533/800 MHz FSB
- Onboard AGP 8X ATI Mobility Radeon 9600 Pro VGA controller, 64MB DDR SDRAM integrated
- Supports dual display, LVDS and DVI
- PCI-X 64-bit @ 66 MHz
- Supports 10/100/1000Base-T Ethernet
- 4 USB 2.0 ports
- CMOS automatic backup and restore to prevent accidental data loss of BIOS setup data
- HISA (ISA high drive) support

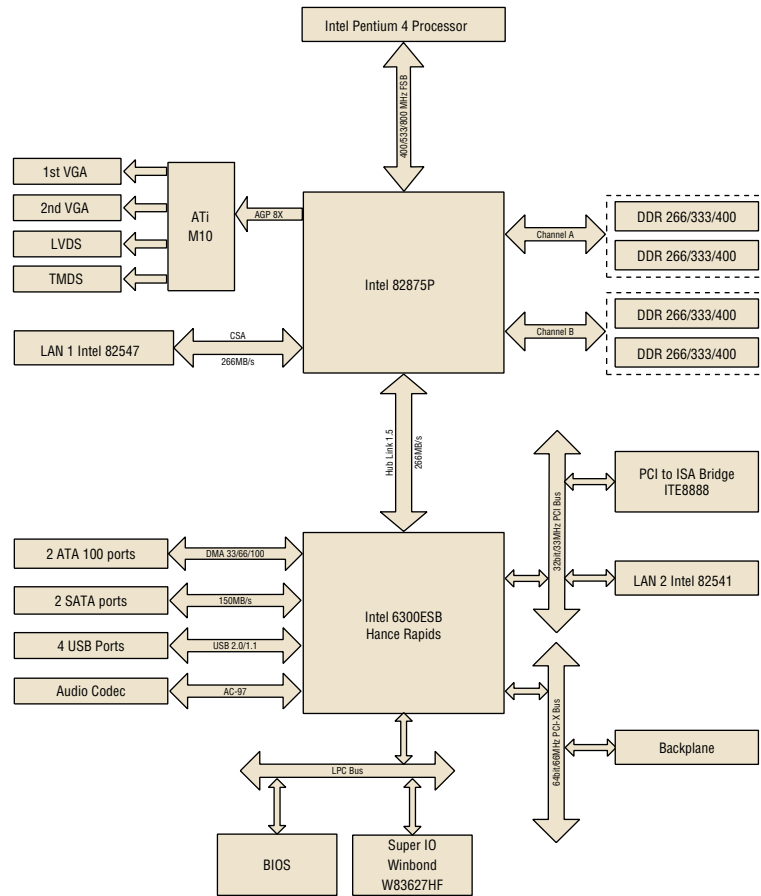


Specifications

Processor System	CPU	Intel Pentium® 4	Intel Celeron® D	Intel Celeron
	Max. Speed	3.06 GHz (533 FSB), 3.4 GHz (800 FSB) * Vcore 1.75 V CPU (Willamete) not supported		3.06 GHz 2.8 GHz
	L2 Cache	256/512/1024 KB	256 KB	128/256 KB
	Chipset	Intel 875P + 6300ESB		
	BIOS	Award 4 Mbit FWH		
Bus	Front Side Bus	400/533/800 MHz		
	PCI	64-bit/33/66 MHz PCI, 66 MHz PCI-X		
	ISA	HISA (ISA high drive), no DMA support		
Memory	Technology	Dual Channel DDR266/333/400 SDRAM with ECC support		
	Max. Capacity	4 GB		
	Socket	184-pin DIMM x 4		
Graphic	Controller	ATI Mobility™ Radeon® 9600 Pro (AGP 8X)		
	VRAM	64 MB DDR SDRAM integrated		
	Video Output	1 CRT1, 2048 x 1536, up to 200 Hz vertical rate		
		1 CRT2, 2048 x 1536, up to 200 Hz vertical rate 1 LVDS, dual 115MHz interface, 2048 x 1536 @ 60 Hz 1 DVI, 1600 x 1200 @ 60 Hz, 165 MHz		
Ethernet	Interface	10/100/1000Base-T		
	Controller	LAN 1: Intel 82547GI (Gigabit, CSA) LAN 2: Intel 82541GI (Gigabit)		
	Connector	RJ-45 x 2		
SATA	Max. Data Transfer Rate	150 MB/s		
	Channel	2		
EIDE	Mode	ATA 100/66/33		
	Channel	2 (Max. 4 devices)		
I/O Interface	USB	Max. 4 (USB 2.0 compliant)		
	Serial	2 (RS-232)		
	Parallel	1 (SPP/EPP/ECP)		
	FDD	1		
	PS/2	1		
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-00A1)		
Power Requirement	Typical	Intel Pentium 4 3.06 GHz with 533 MHz FSB, 1 GB DDR 333 SDRAM		
		+5 V	-5 V	+12 V
Environment	Temperature	7.32 A		0.01 A
		Operating		Non-Operating
Physical Characteristics	Dimensions	0~60 °C (32~140 °F), depends on CPU's speed		-20~70 °C (-40 ~ 158 °F)
		338 x 122 mm (13.3" x 4.8")		

* ATI Mobility Radeon 9600 Pro don't support Windows 98

Block Diagram



- Industrial Motherboards **1**
- Industrial Motherboard Chassis **2**
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- 3U CompactPCI Systems **10**
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- Network Application Ready Platforms **12**

Ordering Information

Part Number	Fast Ethernet LAN	Gigabit LAN
PCA-6188VG-00A1	-	Single
PCA-6188G2-00A1	-	Dual

Bracket View



PCA-6188VG-00A1



PCA-6188G2-00A1

Packing List

Part Number	Description	Quantity
1700340640	FDD cable	X 1
1701400452	IDE HDD cable	X 2
1700071000	Serial ATA HDD data cable	X 2
1703150102	Serial ATA HDD power cable	X 2
170304015K	ATX 12V power converter cable	X 1
1701260305	Printer + COM cable	X 1
1700100170	2 USB ports extension cable kit	X 2
1700060202	Y cable for PS/2 mouse & keyboard	X 1
1700000259	2nd VGA cable	X 1
9689000068	Jumper pack	X 1
-	Startup manual	X 1
-	Utility CD	X 1
1701092300	Dual COM port cable kit	X 1
1700000821	DVI cable	X 1
1700000784	Video Cable(S / Composite terminal)	X 1

Optional Accessories

Part Number	Description
1759214200	CPU cooler for Pentium 4 processor up to 2.8 GHz (70 W), for 1U chassis
1750000073	CPU cooler for Pentium 4 processor up to 3.2 GHz (89 W), for 2U or higher chassis
PCA-AUDIO-00A1	Audio extension module
1700000410	DVI port cable kit