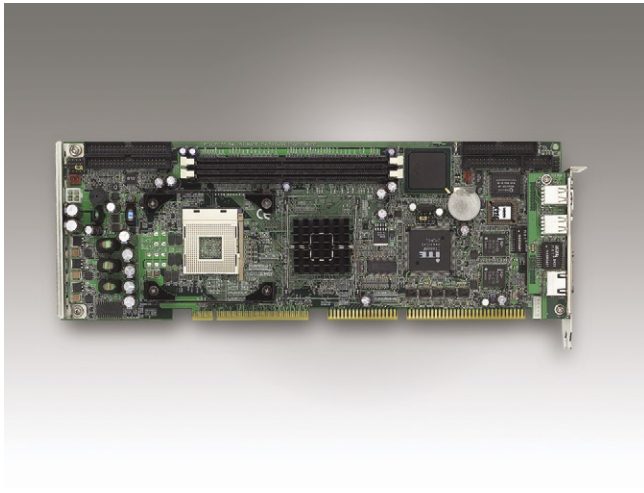


# PCA-6186-B

Socket 478 Pentium® 4/Celeron® D/Celeron Processor Card with VGA/Dual Gigabit LAN/HISA (400/533 MHz FSB)



## Features

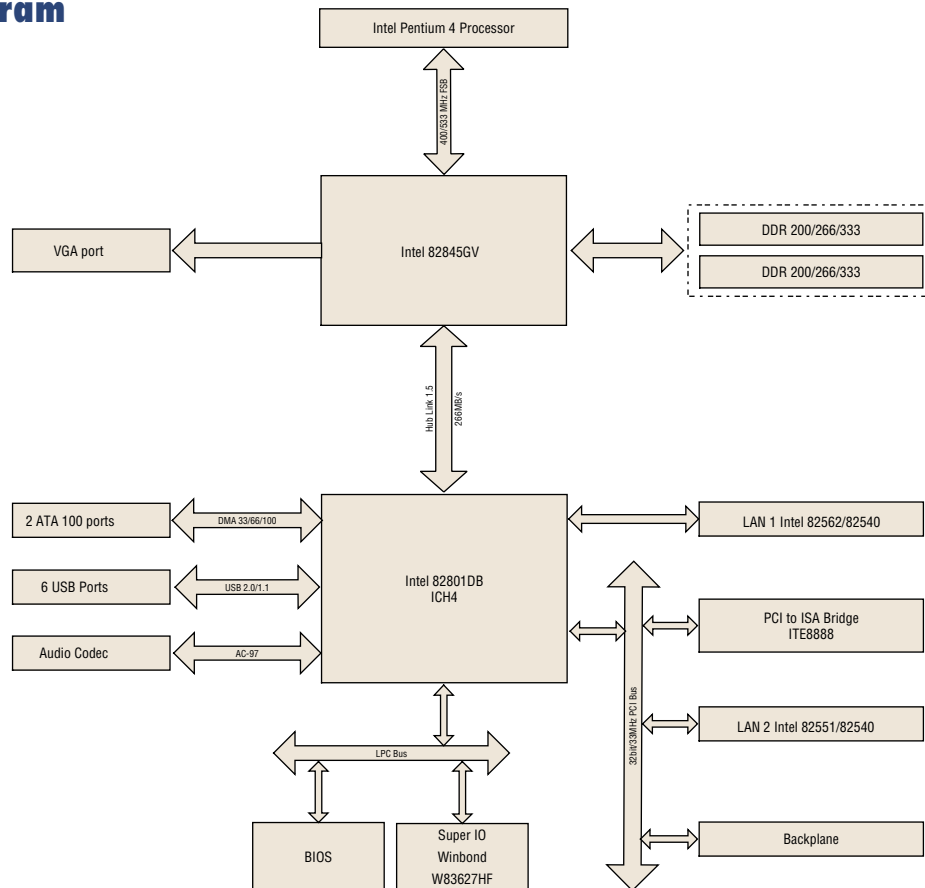
- Socket 478 Pentium® 4/Celeron® D/Celeron® up to 3.06/3.06/2.8 GHz
- Supports Intel® Hyper-Threading Technology
- Intel 845GV chipset 400/533 MHz FSB
- Onboard integrated VGA controller, shared memory architecture
- Supports dual 10/100Base-T Ethernet or dual 10/100/1000Base-T Ethernet
- 6 USB 2.0 ports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



## 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		
Bus	Front Side Bus	400/533 MHz		
	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 82540 (Gigabit) LAN 2: Intel 82551(FE); Intel 82540 (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-00A1)		
	Typical	Pentium 4 2 GHz, 256 MB DDR SDRAM		
Power Requirement		+5 V	-5 V	+12 V
		8.7 A	0.1 A	0.3 A
Environment		Operating	Non-Operating	
	Temperature	0 ~ 60° C (32 ~ 140° F), depends on CPU's speed	-20 ~ 70° C (-4 ~ 158° F)	
Physical Characteristics	Dimensions	338 x 122 mm (13.3" x 4.8")		

## Block Diagram



- Industrial Motherboards **1**
- Industrial Motherboard Chassis **2**
- PICMG Single Board Computers **3**
- Industrial Computer Chassis **4**
- Industrial Computer Peripherals **5**
- 6U CompactPCI Enclosures **6**
- 6U CompactPCI Boards **7**
- 6U CompactPCI I/O **8**
- 6U CompactPCI Accessories **9**
- 3U CompactPCI Systems **10**
- Internet Security Platforms **11**
- Network Application Ready Platforms **12**

## Ordering Information

Part Number	HISA	VGA	Fast Ethernet LAN	Gigabit LAN
PCA-6186LV-00B1	V	V	-	-
PCA-6186VE-00B1	V	V	Single	-
PCA-6186E2-00B1	V	V	Dual	-
PCA-6186VG-00B1	V	V	-	Single
PCA-6186G2-00B1	V	V	-	Dual

## Bracket View



PCA-6186LV-00B1



PCA-6186VE-00B1  
PCA-6186VG-00B1



PCA-6186E2-00B1



PCA-6186G2-00B1

## 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

## Optional Accessories

Part Number	Description
1700100170	USB cable with 2 ports
PCA-USB4-00A1	USB extension module with 4 ports (only for LV, VG, VE versions)
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
2070000127	Embedded Windows XP Kit