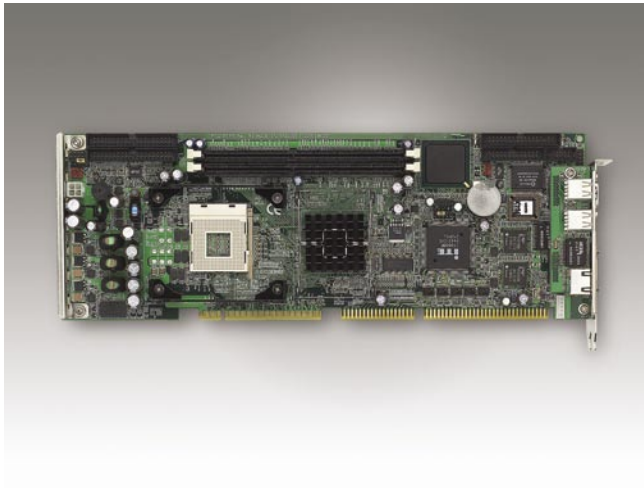


PCA-6186-B

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



Features

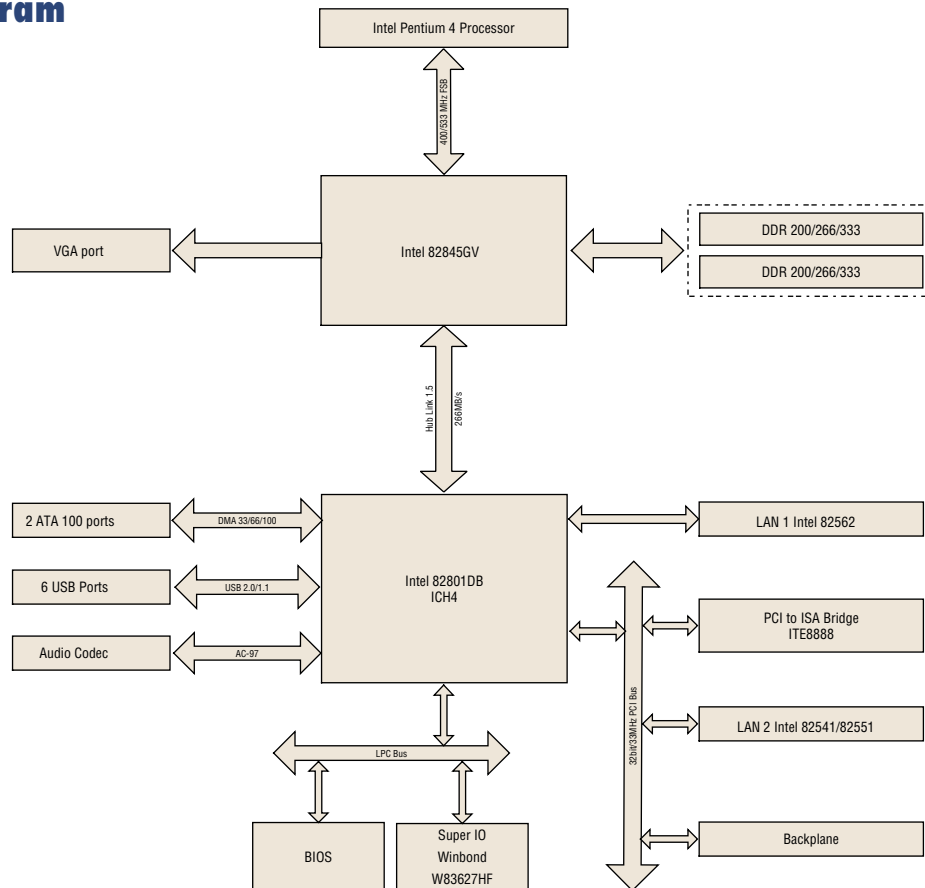
- Socket 478 Pentium® 4/Celeron® up to 3.06/2.4 GHz
- Supports both 0.13 & 0.09 micro CPU
- Supports Intel® Hyper-Threading Technology
- Intel 845GV chipset 400/533 MHz FSB
- Onboard integrated VGA controller, shared memory architecture
- Supports dual 10/100Base-T Ethernet or dual 10/100/1000Base-T 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®/Celeron® D
	Max. Speed	3.06 GHz	2.8/3.06 GHz
	L2 Cache	512/256 KB	128/256 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	Dimensions	338 x 122 mm (13.3" x 4.8")	

Block Diagram



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

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

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 up to 2.8 GHz, for 1U chassis
PCA-AUDIO-00A1	Audio extension module