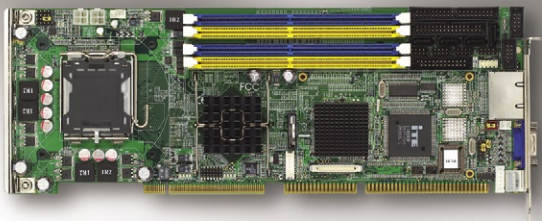


PCA-6190

LGA775 Pentium® 4/Celeron® D Processor Card with VGA/Dual GbE LAN/DVI



Features

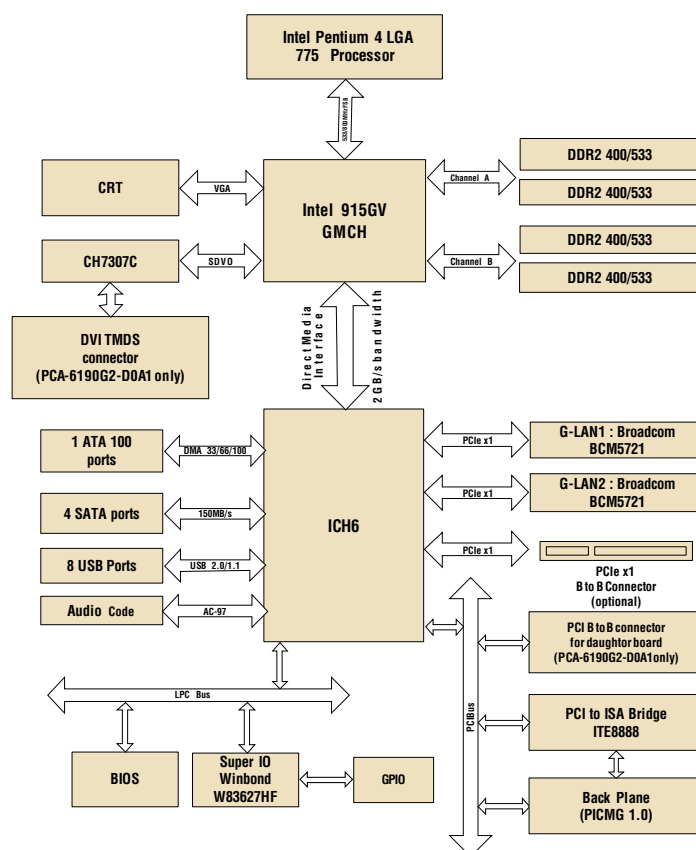
- Intel® 915GV (Grantsdale-GV) chipset 533/800 MHz FSB
- Supports dual channel DDR2 400/533 SDRAM
- Supports up to 4 Serial ATA devices
- 8 USB 2.0 ports
- 2 PCI-Express x 1 for LAN chip
- Supports DVI interface (PCA-6190G2-D0A1 only)
- 14-pin General Purpose I/O interface as 8-bit programmable Digital I/O or port80 function
- CMOS automatic backup and restore to prevent accidental data loss of BIOS setup



Specifications

Processor System	CPU	Intel Pentium 4 (Prescott)	Intel Celeron D
	Max. Speed	3.8 GMz (800 FSB)	3.06 GHz (533 FSB)
	L2 Cache	2 MB/1 MB	256 KB
	Chipset	Intel® 915GV + ICH6	
	BIOS	Award 4 Mbit FWH	
	Front Side Bus	533/800 MHz	
Bus	PCI	PCI 32 bit/33 MHz ; 2 PCIe x1 for LAN chip	
	ISA	HISA (ISA high drive)	
Memory	Technology	Dual Channel DDR2 400/533 SDRAM	
	Max. Capacity	4 GB	
	Socket	240-pin DIMM x 4	
Graphic	Controller	Chipset integrated VGA controller	
	VRAM	Dynamically shared system memory up to 128 MB	
Ethernet	Interface	10/100/1000 Base-T	
	Controller	LAN 1: Broadcom BCM 5721 LAN 2: Broadcom BCM 5721	
	Connector	RJ-45 x 2	
SCSI (optional)	Interface	Ultra 160	
	Controller	Adaptec AIC-7899	
	Max. Data Transfer Rate	160 MB/Sec.	
SATA	Channel	2	
	Max. Data Transfer Rate	150 MB/Sec.	
EIDE	Channel	4	
	Mode	ATA 100/66/33	
I/O Interface	Channel	1 (Max 2 devices)	
	USB	Max. 8 (USB 2.0 compliant, 480 Mbps, 4 ports and 4 connectors)	
	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)	
	Typical	Pentium 4 3.4 GHz (800 MHz FSB), 2 x 512 MB, 2 x 256 MB DDR2 533 SDRAM	
Power Requirement		+5 V	-5 V
		6.64 A	0.01 A
Environment		+12 V	-12 V
		12.59 A	0.01 A
Physical Characteristics	Operating	Non-Operating	
	Temperature	0 ~ 60 °C (32 ~ 140 °F), depends on CPU's speed	-20 ~ 70 °C (-40 ~ 158 °F)
Physical Characteristics	Dimensions (W X D)	338 x 122 mm (13.3" x 4.8")	

Block Diagram



Ordering Information

Part Number	VGA	DVI	Gigabit LAN
PCA-6190VG-00A1	Yes	--	Single
PCA-6190G2-00A1	Yes	--	Dual
PCA-6190G2-D0A1	Yes	Yes	Dual

Bracket View



PCA-6190VG-00A1

PCA-6190G2-00A1
PCA-6190G2-D0A1

Packing List

Part Number	Description	Quantity
1700340640	FDD cable	X 1
1701400452	IDE HDD cable	X 1
1700071000	Serial ATA HDD data cable	X 4
1703150102	Serial ATA HDD power cable	X 4
170304015K	ATX 12 V power converter cable	X 2
1701260305	Printer + COM cable	X 1
1700060202	Y cable for PS/2 mouse & keyboard	X 1
9689000068	Jumper pack	X 1
-	Startup manual	X 1
-	Utility CD	X 1
1700000719	USB cable with 4 ports	X 2
1701092300	Dual COM port cable kit (for G2-00A1 and G2-D0A1)	X 1
1700000821	DVI Cable (G2-D0A1 only)	X 1

Accessories

Part Number	Description
PCA-AUDIO-00A1	Audio extension module
1700000182	SCSI cable with terminator (125 cm)
1750000332	CPU cooler for LGA775 Pentium 4 processor up to 3.8 GHz (115 w), for 2U or higher chassis
1750000334	CPU cooler for LGA775 Pentium 4 processor up to 3.8 GHz (115 w), for 4U or higher chassis