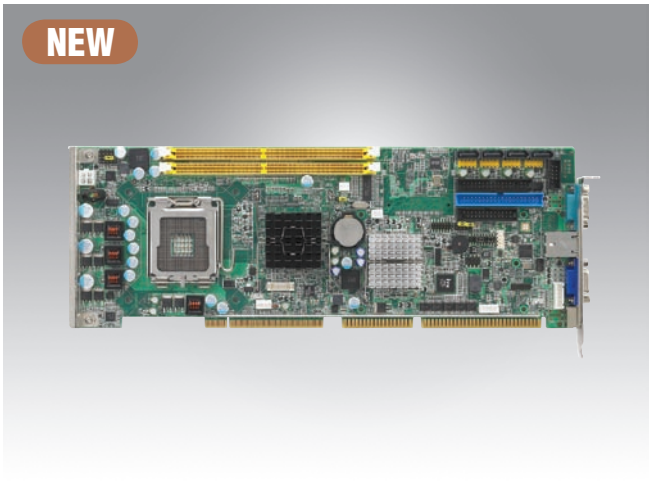
PCA-6010

LGA775 Intel® Core™ 2 Duo SBC with Single GbE and DVI



Features

- Compliant with PICMG 1.0
- Supports LGA 775 Intel Core™ 2 Duo FSB 1066 MHz Processors
- Supports Dual Channel DDR2 667 SDRAM up to 4 GB
- Single GbE LAN via PCIe x1 Lane
- 2 COM Ports, 4 SATA ports, 8 USB ports
- Supports optional CF socket
- Supports optional DVI interface

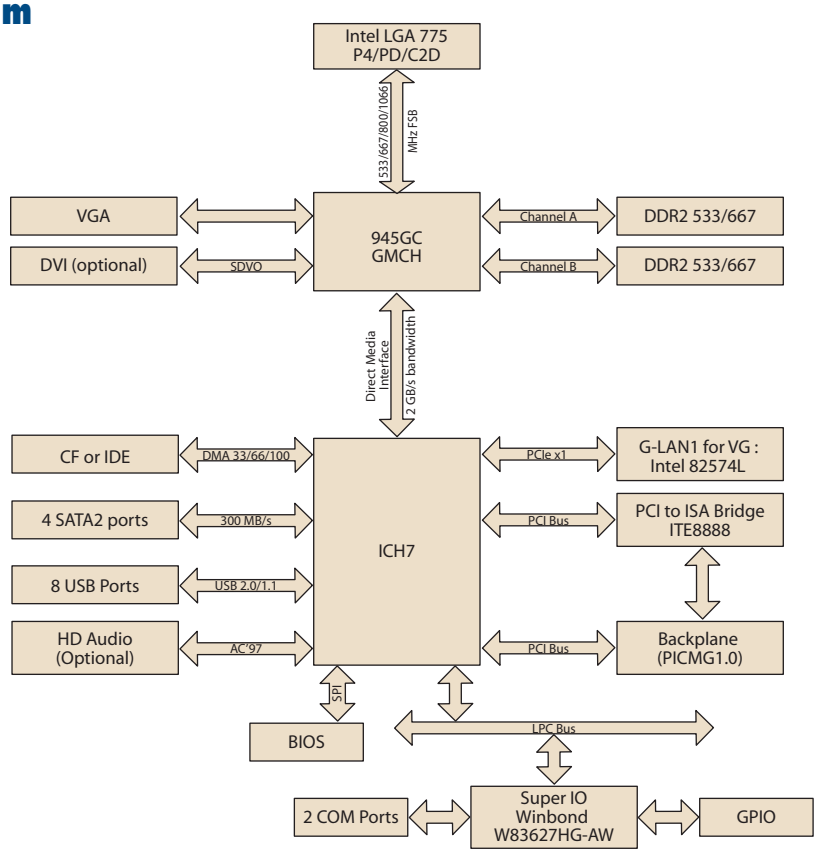
Specifications

Processor System	CPU	Core 2 Duo		Pentium Dual-Core	Intel Celeron 440	Pentium 4	Celeron D
	FSB	1066 MHz		800 MHz	800 MHz	800 MHz	533 MHz
	Max Speed	2.93 GHz		2.7 GHz	2 GHz	3.4 GHz	3.6 GHz
	L2 Cache	4 M		2 M	512 KB	2 M	512 KB
	Chipset	Intel 945GC + ICH7					
	BIOS	SPI 8 Mb					
	Front Side Bus	533/667/800/1066 MHz					
Bus	PCI	32-bit/33 MHz PCI					
	ISA	HISA (ISA High Drive)					
Memory	Technology	Dual-channel DDR2 533/667 MHz DIMMs					
	Max. Cap.	4 GB					
	Socket	240-pin DIMM x 2					
Graphics	Integrated	Up to 2048 x 1536 @ 75 Hz refresh					
	VRAM	Shared with 224 MB system memory					
	Video Output	15 Pin D-sub Connector x1					
Ethernet	Interface	1000 Mbps					
	Controller	VG Sku: Intel 82574L					
	Connector	RJ45 with LED Connector x 1					
SATA	Bandwidth	300 MB/s					
	Channel	4 ports					
EIDE	Mode	ATA 100/66/33					
	Channel	1 (Supports up to 2 IDE devices including 1 optional CF socket)					
I/O Interface	USB 2.0	8 ports					
	Serial	2 RS-232					
	Parallel	1 (EPP/ECP)					
	FDD	1					
	PS/2	1 (for mouse and keyboard, a Y cable is included in the package)					
Watchdog Timer	Output	Interrupt, system reset					
	Interval	Programmable 1, 2, 4, 8,…, 256 sec					
Miscellaneous	Audio Output	Intel High Definition audio interface (requires an audio extension module P/N: PCA-AUDIO-HDA1E)					
Power Requirement	CPU	Configuration 1: Core 2 Duo E4300 (1.8G, 65W) + DDRII 667 2G x 2					
	Voltage	+12 V	+5 V	+3.3 V	+5 VSB	-12 V	-5 V
	Current	3.82 A	5 A	0 A	0.24 A	0 A	0 A
	CPU	Configuration 2: Pentium4 670 (3.8G, 115W) + DDRII 667 2G x 2					
	Voltage	+12 V	+5 V	+3.3 V	+5 VSB	-12 V	-5 V
	Current	12.59 A	5.81 A	0 A	0.24 A	0 A	0 A
Environment		Operating			Non-Operating (Storage)		
	Temperature	0 ~ 60° C (32 ~ 140° F) (operation humidity: 40° C @ 85% RH Non-Condensing)			-40° C ~ 85° C and 60° C @ 95% RH Non-Condensing		
Physical	Dimensions	338 mm (L) x 122 mm (W) (13.3" x 4.8")					

All product specifications are subject to change without notice

Last updated : 05-May-2009

Board Diagram



Ordering Information

Part Number	LAN	VGA	COM	SATA	USB
PCA-6010VG-00A1E	Single GbE	Yes	2	4	8
PCA-6010LV-00A1E	-	Yes	2	4	8

Bracket View



PCA-6010LV-00A1E



PCA-6010VG-00A1E

Accessories

Part Number	Description
1750000332	LGA 775 CPU cooler for 115 W TDP CPUs
PCA-AUDIO-HDA1E	Audio extension module
1701092300	Single COM Cable Kit
1700008822	DVI cable (Only needed when choosing optional DVI function)

Packing List

Part Number	Description	Quantity
1700340640	FDD cable	x 1
1701400452	IDE HDD cable	x 1
1700003194	Serial ATA HDD data cable	x 2
1703150102	Serial ATA HDD power cable	x 2
170304015K	ATX 12 V power converter cable	x 1
1701260305	Printer + COM cable	x 1
1700060202	Y-cable for PS/2 mouse & keyboard	x 1
1700008461	USB cable with 4 ports	x 1
9689000068	Jumper pack	x 1
2002721020	User Note for Full-Size CPU Card	x 1
	User Note for LGA775 CPU	x 1
-	Warranty Card	x 1
-	Startup manual	x 1
-	Utility CD	x 1