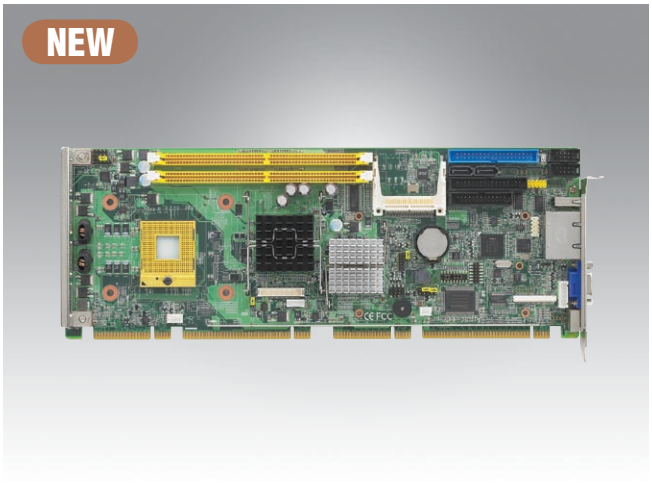
PCE-5130

Socket M Mobile Intel® Core™ 2 Duo SHB with VGA/LVDS/Dual GbEs



Features

- Compliant with PICMG 1.3
- Socket M Core 2 Duo
- FSB 533/667 MHz processors
- Supports Dual Channel DDR2 667 MHz SDRAM up to 4 GB
- One PCIe x16 and Four x1 to backplane
- Dual Gigabit Ethernet via two PCIe x1 Lanes
- 2 SATA ports Support S/W SATA Raid 0,1
- Onboard CF Socket (Optional)

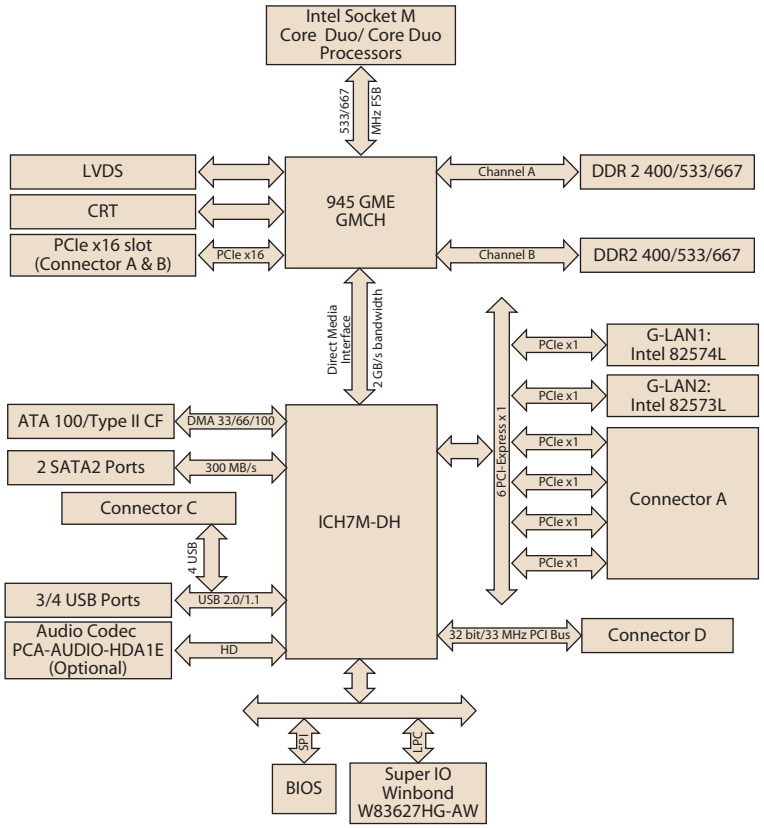
Specifications

Processor System	CPU	Core 2 Duo		Core Duo		Intel Celeron M	
	CPU Number	T7600		T2700		530	
	FSB	667 MHz		667 MHz		533 MHz	
	Max. Speed	2.33 GHz		2.33 GHz		1.73 GHz	
	L2 Cache	4 MB		2 MB		1 MB	
	Chipset	Intel 945GME + ICH7M-DH					
	BIOS	8 Mbit SPI Flash					
	Front Side Bus	533/667 MHz					
Bus	PCIe	One x16 and Four x1 to backplane					
	PCI	Four 32-bit/66 MHz PCI Masters to backplane					
Memory	Technology	Dual-channel DDR2 533/667 MHz SDRAM					
	Max. Capacity	4 GB					
	Socket	240-pin DIMM x 2					
Graphics	Discrete Graphics	PCIe x16 Graphics Card					
	Integrated Graphics	Intel Graphics Media Accelerator 950					
	VRAM	Shared with 224 MB system memory					
	VGA	15-pin D-sub Connector x1					
	LVDS	Single channel 18-bit/Dual channel 36-bit LVDS					
Ethernet	Interface	10/100/1000 Mbps					
	Controller	LAN1: Intel 82574L LAN2: Intel 82573L (Only for G2 Sku)					
	Connector	G2 Sku: RJ-45 with LED Connector x 2 VG Sku: RJ-45 with LED Connector x 1					
SATA	Max. Transfer rate	150 MB/sec					
	Channel	2 on SHB (Support RAID 0, 1)					
EIDE	Mode	ATA 100/66/33					
	Channel	1 (supports up to 2 IDE devices including 1 optional type II CF card)					
PCI Master I/O Interface	32-bit/33 MHz PCI	4 PCI masters to backplane					
	USB 2.0	G2 Sku: 3 ports on the SHB, 4 ports on the BP VG Sku: 4 ports on the SHB, 4 ports on the BP					
	Serial	1 RS-232 and 1 RS-232/422/485					
	Parallel	1 (EPP/ECP)					
	FDD	1					
	PS/2	1 (for mouse and keyboard, and 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	Core 2 Duo processors					
	Voltage	+12 V	+5 V	+3.3 V	+5 VSB	-12 V	-5 V
	Current	2.81 A	0.99 A	2.47 A	0.25 A	0 A	0 A
Environment	Status	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	338.58 mm (L) x 126.39 mm (W) (13.3" x 4.98")					

All product specifications are subject to change without notice

Last updated : 25-Feb-2009

Board Diagram



Ordering Information

Part Number	Gigabit LAN	VGA	USB
PCE-5130G2-00A1E	Dual	Yes	3
PCE-5130VG-00A1E	Single	Yes	4

Bracket View



PCE-5130G2-00A1E



PCE-5130VG-00A1E

Packing List

Part Number	Description	Quantity
1700340640	FDD cable	x 1
1700003194	Serial ATA HDD data cable	x 2
1703150102	Serial ATA HDD power cable	x 2
1701400452	Ultra ATA 66/100 flat cable	x 1
1701260305	COM + printer ports cable kit	x 1
1700060202	Keyboard and mouse Y-cable	x 1
1700008461	4-port USB cable kit (Only for VG Sku)	x 1
1700002204	2-port USB cable kit (Only for G2)	x 1
9689000068	Jumper package	x 1
2002721020	User Note for Full-Size CPU Card	x 1
-	Warranty Card	x 1
-	Startup manual	x 1
-	Utility CD	x 1

Accessories

Part Number	Description
PCA-AUDIO-HDA1E	Audio extension module