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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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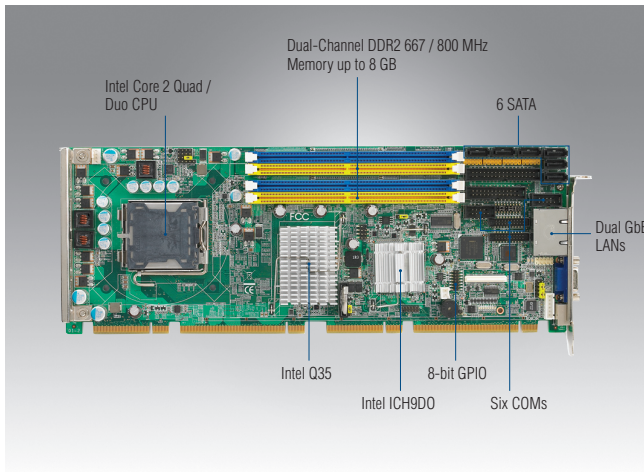
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PCE-5124

LGA775 Intel® Core™ 2 Quad SHB
with VGA/Dual GbE/6 COM Ports



Features

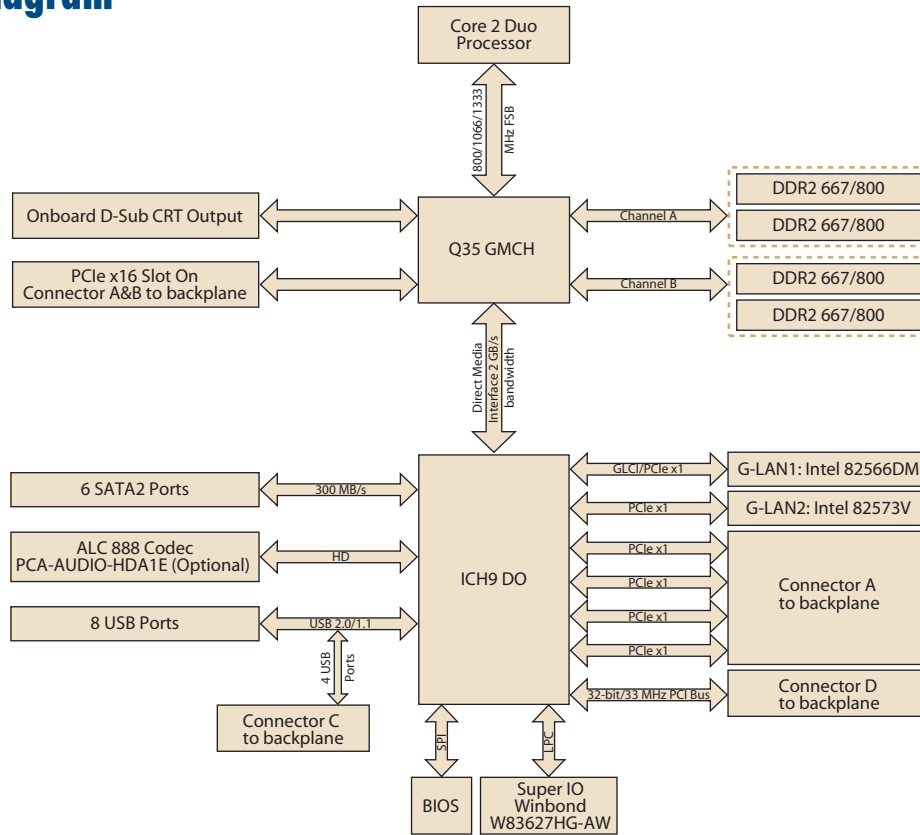
- Complies with PICMG 1.3
- Supports LGA 775 Intel® Core™2 Quad processors with FSB 1333 MHz
- Supports dual channel DDR2 667/800 SDRAM up to 8 GB
- One PCIe x16 and Four x1 to backplane
- Dual gigabit Ethernet via two PCIe x1 lanes
- Supports 6 COM ports
- 6 SATA2 ports supports S/W SATA Raid 0, 1, 10, 5



Specifications

Processor System	CPU	Core 2 Quad	Core 2 Duo	Pentium Dual-Core	Celeron 400 Sequence
	Max. Speed	Q9650 (3.0 GHz)	E8600 (3.33 GHz)	E5400 (2.7 GHz)	440 (2 GHz)
	L2 Cache	12 MB	6 MB	2 MB	512 KB
	Chipset	Intel Q35 + ICH9DO			
	BIOS	AMI 16 Mb SPI Flash x 2			
	Front Side Bus	1333/1066/800 MHz			
Bus	PCIe	One x16 & Four x1 to backplane			
	PCI	Four 32-bit/33 MHz PCI Masters to backplane			
Memory	Technology	Dual-channel DDR2 667/800 MHz DIMMs			
	Max. Capacity	8 GB			
	Socket	240-pin DIMM x 4			
Graphics	External Card	PCIe x16 Graphics Card			
	Chipset Integrated	Intel Graphics Media Accelerator 3100			
	VRAM	Shared with 384 MB system memory			
	Video Output	15-pin D-sub Connector x1			
Ethernet	Interface	10/100/1000 Mbps			
	Controller	LAN1: Intel 82566DM LAN2: Intel 82573V			
	Connector	RJ-45 with LED Connector x 2			
SATA2	Max. Data Transfer Rate	300 MB/s			
	Channel	6 on SHB; support S/W RAID 0,1, 10, 5			
EIDE		This product does NOT supports EIDE port.			
I/O Interface	USB 2.0	8 ports on the SHB, 4 ports on the BP			
	Serial	5 RS-232 and 1 RS-232/422/485 with pin headers			
	Parallel	1 (EPP/ECP)			
	FDD	1			
	PS/2	1 (for mouse and keyboard, and Y-cable is included in the package)			
Watchdog Timer	Output	System reset			
	Interval	Programmable, 1~255 sec/min			
Miscellaneous	Audio Output	Intel High Definition audio interface (requires an audio extension module P/N: PCA-AUDIO-HDA1E)			
Power Requirement	CPU	Intel Core 2 Quad Desktop Processor Q6200; DDR2 800 MHz 1 GB x 4			
	Voltage	+12 V	+5 V	+3.3 V	+5 VSB -12 V -5 V
	Current	6.78 A	4.06 A	2.72 A	0.43 A 0 0
Environment	Temperature	Operating		Non-Operating (Storage)	
		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")			

Board Diagram



Ordering Information

Part Number	Gigabit LAN	VGA
PCE-5124G2-00A1E	Dual	Yes
PCE-5124VG-00A1E	Single	Yes

Bracket View



PCE-5124VG-00A1E



PCE-5124G2-00A1E

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
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
2002775001	User Note for LGA775 CPU	x 1
2190000902	Warranty Card	x 1
2002512410	Startup manual	x 1
2062512401	Utility CD	x 1

Optional Accessories

Part Number	Description
PCA-AUDIO-HDA1E	Audio extension module
1750000332	CPU cooler for LGA775 Pentium 4 processor up to 3.8 GHz (115 W), for 2U or higher chassis
1701092300	Dual-COM port cable kit for COM 1-2 (Only for G2 Version)
1700008762	Dual-COM port cable kit for COM 3-4 and COM 5-6