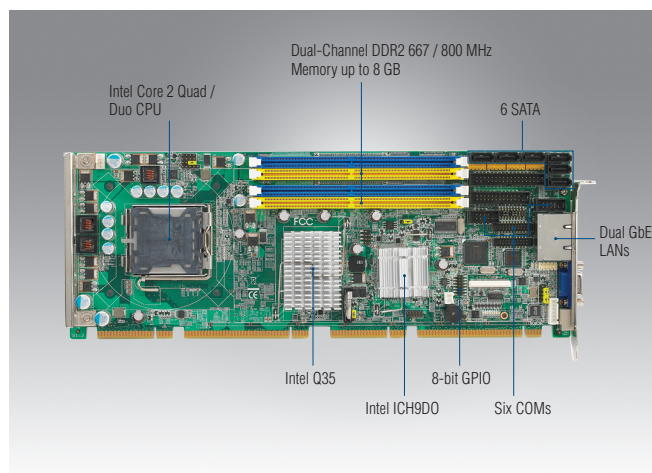


PCE-5124

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



Features

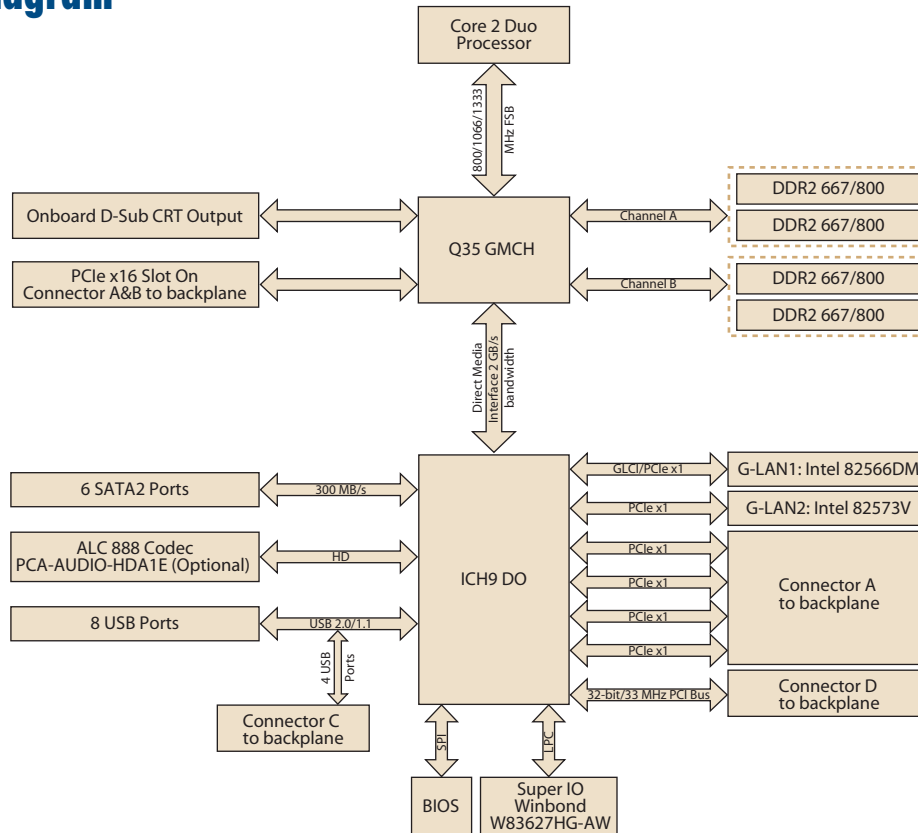
- Complies with PICMG 1.3
- Supports LGA 775 Intel® Core™2 Quad processors with FSB 1333 MHz
- Supports dual channel DDR2 667/800 SDRAM up to 8 GB
- One PCIe x16 and Four x1 to backplane
- Dual gigabit Ethernet via two PCIe x1 lanes
- Supports 6 COM ports
- 6 SATA2 ports supports S/W SATA Raid 0, 1,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

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