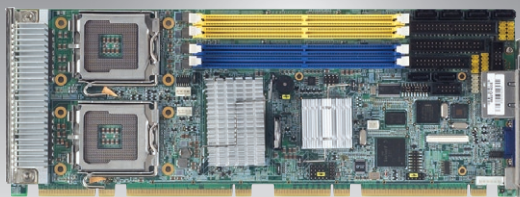


PCE-7214

Dual LGA771 Quad Core Xeon/Xeon LV SHB with VGA Dual GbE



Features

- Compliant with PICMG 1.3
- Supports Dual LGA 771 Quad Core Xeon/Xeon LV FSB processors with 1333 MHz processors
- Supports Dual Channel DDR2 533/667 ECC REG SDRAM up to 32 GB
- Two PCI Express x 8 or One x 16 and Four x 1 to Backplane
- Dual Gigabit Ethernet via two PCI Express x 1 Link
- 6 SATA2 ports supports S/W SATA RAID 0, 1, 10, 5

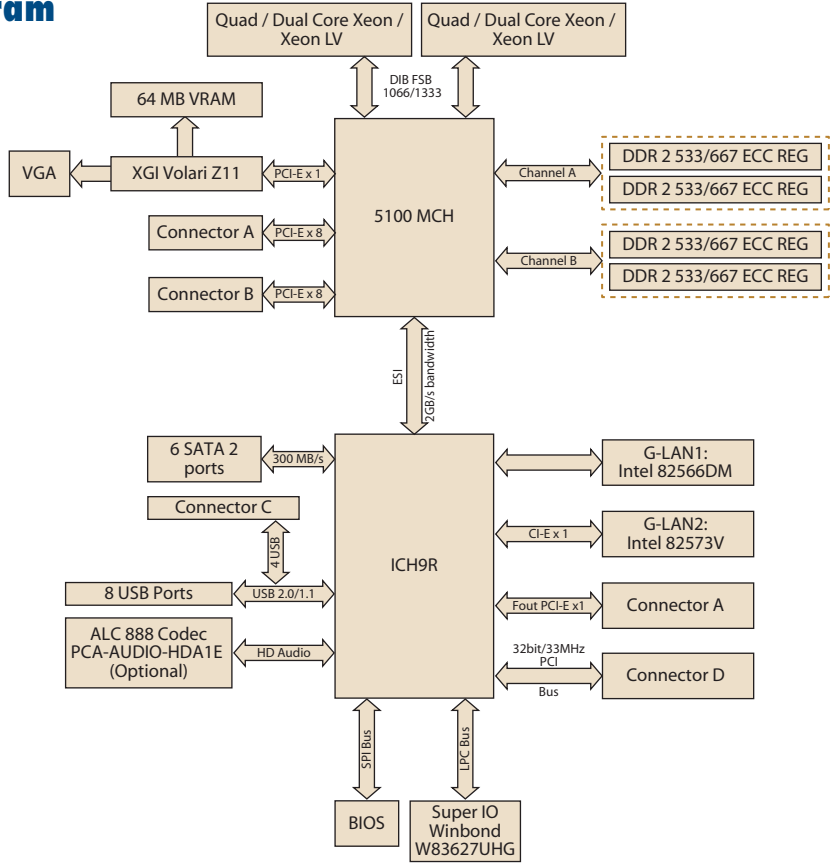
Note: Purchasing PCE-7214's proprietary CPU cooler(s) from Advantech is a must. Other brands' CPU coolers are NOT compatible with PCE-7214.



Specifications

Processor System	CPU	Quad Core Xeon	Dual Core Xeon	
	Number	3.16 GHz	3.73 GHz	
	L2 Cache	12 MB	6 MB	
	Chipset	Intel E5100 + ICH9R		
	BIOS	AMI 32 Mb SPI Flash		
	Front Side Bus	1333/1066 MHz		
Bus	PCI-Express	Two x 8/one x 16 & Four x 1 to backplane		
	PCI	Four 32-bit/33 MHz PCI Masters to backplane		
Memory	Technology	Dual-channel DDR2 533/667 MHz Registered ECC DIMMs		
	Max. Capacity	32 GB		
	Socket	240-pin DIMM x 4		
Graphics	External Card	PCI Express X16 Graphics Card (The two x 8 can be configured to one x 16)		
	Onboard Chipset	XGI Volari Z11 via PCI Express X1 Link		
	VRAM	64 MB		
	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	Mode	ATA 100/66/33		
	Channel	1 (supports up to 2 IDE devices)		
I/O Interface	USB 2.0	8 ports on the SHB, 4 ports to the BP		
	Serial	2 RS-232 with pin headers		
	Parallel	1 (EPP/ECP)		
	FDD	1		
	PS/2	1 (for mouse and keyboard, an Y cable is included in the package)		
Watchdog Timer	Output	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	Intel® Xeon® Processor 5130 2.0 GHz (SLAGC), TDP 65W x 2		
	Memory	4 GB DDR2 667 MHz with REG & ECC x 4		
	Voltage	+12 V +5 V +3.3 V	+5 VSB -12 V -5 V	
	Current	9.7 A 7.4 A 2.5 A	0.71 A 0 A 0 A	
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-7214G2-00A1E	Dual	Yes

Bracket View



PCE-7214G2-00A1E

Packing List

Part Number	Description	Quantity
1700340640	FDD cable	x 1
1701400452	Ultra ATA 66/100 HDD cable	x 2
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 keyboard and mouse	x 1
1700008461	4-port USB cable kit	x 1
9689000068	Jumper pack	x 1
2002721020	User Note for Full-Sized CPU Card	x 1
-	Warranty Card	x 1
-	Startup manual	x 1
-	Utility CD	x 1

Accessories

Part Number	Description
1750000282	Xeon CPU Cooler for 110W TDP CPU
1750001660	Low Profile Xeon CPU Cooler for 55W TDP CPU
PCA-AUDIO-HDA1E	Audio extension module
1701092300	Single COM Cable Kit

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