

PCE-7210

Dual Socket 604 Intel® Xeon®/ LV Xeon® Processor Card with PCI Express/IPMI/VGA/Dual GbE LAN

NEW



Features

- Complies with PICMG 1.3
- Supports single/dual socket 604 Intel® Xeon®/LV Xeon® with 800 MHz FSB
- Supports dual channel DDR2 400 ECC registered SDRAM up to 8 GB
- Two PCIe x8 and one PCIe x4 links to backplane
- Dual Gigabit Ethernet via PCIe x4 port
- Onboard IPMI module (optional)
- Two SATA channels with software RAID 0 and 1

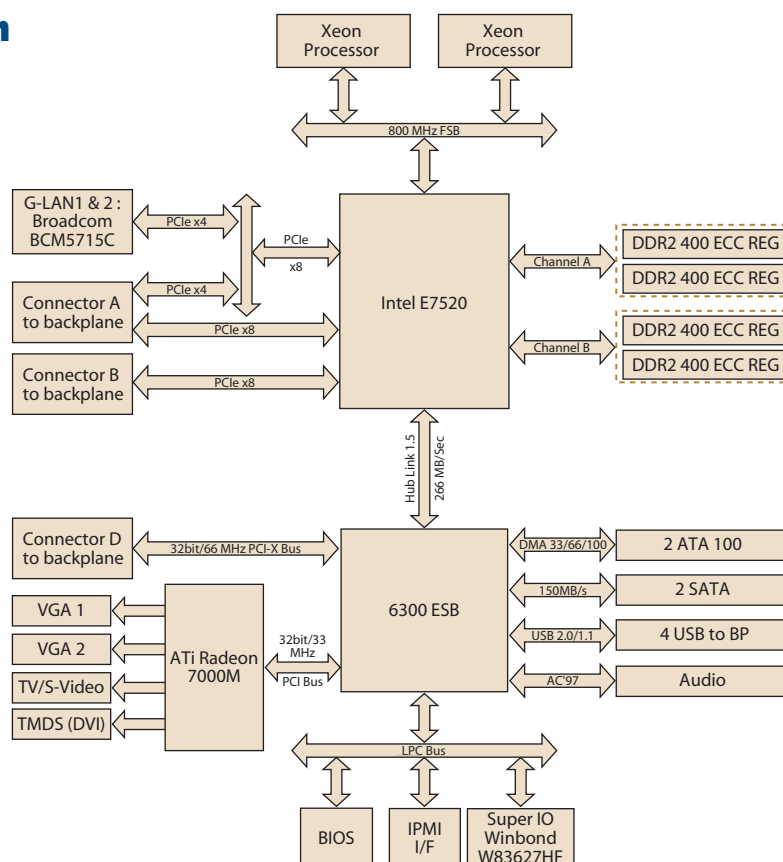


CE FCC

Specifications

Processor System	CPU	Dual Intel Xeon/LV Xeon processors					
	Max. Speed	3.6 GHz					
	L2 Cache	2 MB					
	Chipset	Intel E7520+6300ESB					
	BIOS	Award 4 Mb FWH					
	Front Side Bus	800 MHz					
Bus	PCI Express	Two x8 & one x4 to backplane; one x4 for LAN chip					
	PCI	32-bit/66 MHz PCI-X					
	PCI Daughterboard	32-bit/33 MHz Advantech PCI expansion connector for SCSI or PCA-GIGA cards					
Memory	Technology	Dual-channel DDR2 400 MHz (ECC Registered DIMMs)					
	Max. Capacity	8 GB					
	Socket	240-pin DIMM x 4					
Graphics	Controller	ATI Radeon 7000M (PCI 32-bit/33 MHz)					
	VRAM	16 MB frame buffer memory					
	Video Output	15-pin CRT connector x 1 (up to 2048 x 1536 at 60 Hz), VGA2, TV-out, S-video, DVI					
Ethernet	Interface	10/100/1000Base-T					
	Controller	LAN1 & 2: Broadcom 5715C (PCIe x4)					
	Connector	RJ-45 with LED connector x 2					
SATA	Max. Data Transfer Rate	150 MB/s					
	Channel	2					
EIDE	Mode	ATA 100/66/33					
	Channel	2 (Max. 4 devices)					
I/O Interface	USB	Max. 4 (USB 2.0 compliant) to backplane					
	Serial	3 (RS-232) with Pin Header					
	Parallel	1 (SPP/EPP/ECP)					
	FDD	1					
	PS/2	1					
	GPIO	8					
Watchdog Timer	Output	System reset					
	Interval	Programmable 1, 2, 4, 8,..., 256 sec					
Miscellaneous	Audio Output	AC97 audio interface (requires an audio extension module P/N: PCA-AUDIO-00A1E)					
Power Requirement	Test Conditions	2 x Intel Xeon 3.2 GHz/2 MB/800 MHz/110 W; 2 x DDR2 2 GB					
	Voltage	+12 V	+5 V	+3.3 V	+5 VSB	-12 V	-5 V
	Typical Current	20.5 A	3.28 A	11.51 A	0.42 A	0 A	0 A
Environment	Operating					Non-Operating	
	Temperature	0 ~ 60° C (32 ~ 140° F), depends on CPU's speed				-20 ~ 80° C (-4 ~ 176° F)	
Physical	Dimensions (L x W)	338.58 x 126.39 mm (13.3" x 4.98")					

Board Diagram



Ordering Information

Part Number	IPMI	Gigabit LAN	VGA
PCE-7210G2-00A1E	Optional	Dual	Yes

Bracket View



PCE-7210G2-00A1E

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
1701092300	Dual COM port cable kit	x 1
1700060202	Y cable for PS/2 keyboard and mouse	x 1
1750000282	CPU cooler	x 2
1700000259	VGA cable	x 1
1700000784	S-Video/Composite Video cable	x 1
9689000068	Jumper pack	x 1
-	Startup manual	x 1
-	Utility CD	x 1

Accessories

Part Number	Description
PCA-AUDIO-00A1E	Audio extension module
1700000821	DVI cable

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