

PCE-7210

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

NEW



Features

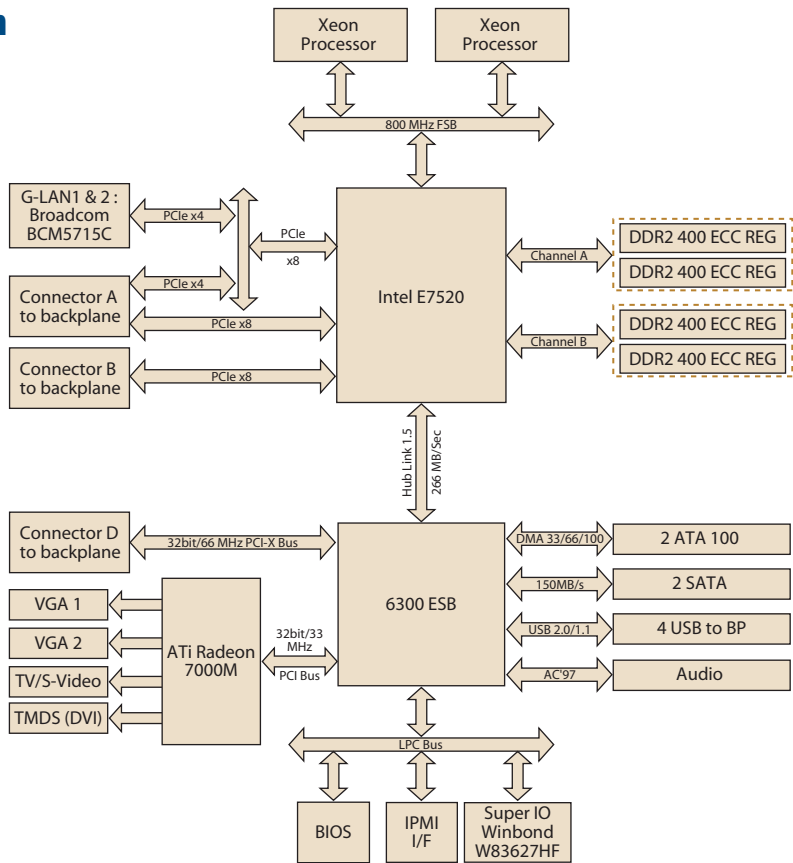
- Complies with PICMG 1.3
- Supports single/dual socket 604 Intel® Xeon®/LV Xeon® with 800 MHz FSB
- Supports dual channel DDR2 400 ECC registered SDRAM up to 8 GB
- Two PCIe x8 and one PCIe x4 links to backplane
- Dual Gigabit Ethernet via PCIe x4 port
- Onboard IPMI module (optional)
- Two SATA channels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



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



- Computer On Modules **1**
- Embedded Single Board Computers **2**
- Compact Embedded Computers **3**
- Pre-configured Systems **4**
- Industrial Motherboards **5**
- Slot Single Board Computers **6**
- Industrial Computer Chassis **7**
- Industrial Computer Peripherals **8**
- Panel PCs **9**
- Display Solutions **10**
- Digital Video Solutions **11**
- Vehicle Mounted Computers **12**
- Portable Computers **13**
- M2M Modules **14**
- Embedded Software Services **15**

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