

TECH4U-810

4U LGA771 Quad Core Xeon/Xeon LV SHB with VGA Dual GbE System



Conforming to BIS Standard IS 13252 (Part-1): 2010



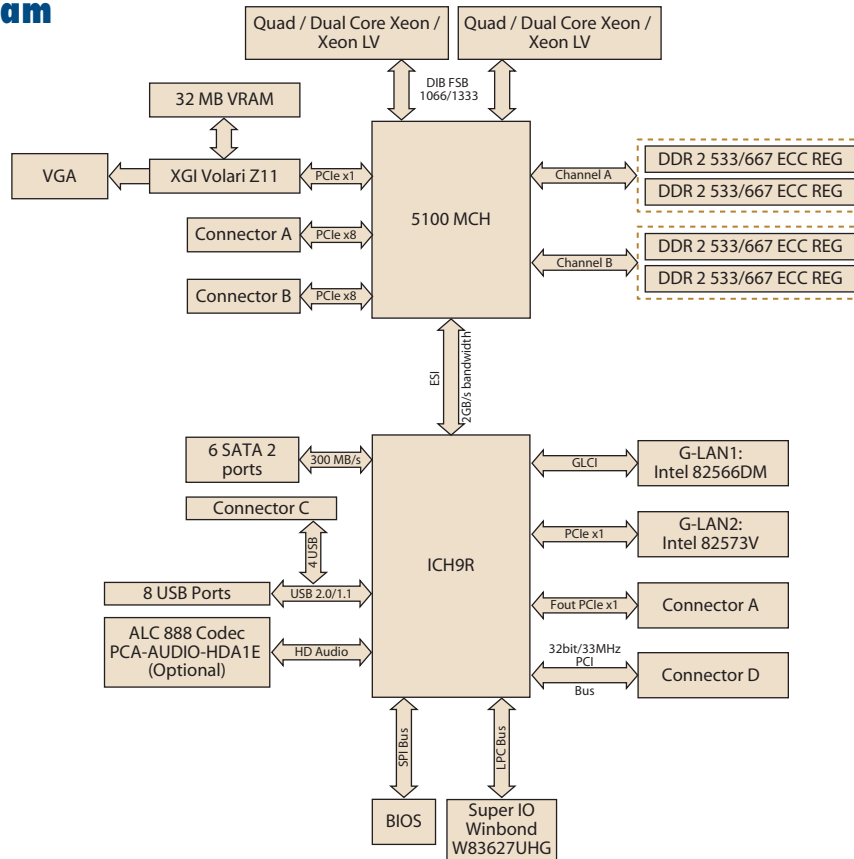
Features

- Compliant with PICMG 1.3
- Supports upto 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 PCIe x8 or one x16 and four x1 backplane
- Supports 400/300 W ATX PFC PS/2 power supply and redundant ATX power supplies
- Supports both PCE-5000 and PCE-7000 series backplanes
- Dual Gigabit Ethernet via two PCIe x1 link
- Easy to install front-accessible drive bays to hold three 5.25" and two 3.5" drives (one front-accessible & one internal)
- 6 SATA2 ports supports SATA RAID 0, 1, 10, 5
- Front-accessible USB & PS/2 interfaces
- Designed to withstand environmental extremes, such as shock, vibration and high temperature
- Front LEDs indicate power status, and HDD activity
- Lockable front door prevents unauthorized access
- Dual front-accessible filtered cooling fans provide optimized and streamlined airflow

Specifications

Processor System	CPU	Quad Core Xeon	Dual Core Xeon				
	Speed	3.16 GHz	3.33 GHz				
	L2 Cache	12 MB	6 MB				
	Chipset	Intel E5100 + ICH9R					
	BIOS	AMI 32 Mb SPI Flash					
	Front Side Bus	1333/1066 MHz					
Bus	PCIe	Two x 8/one x 16 & Four x 1 to backplane					
	PCI-X	Two x 64/100 & Two x 64/66 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	PCIe x16 Graphics Card (The two x8 can be configured to one x16)					
	Onboard Chipset	XGI Volari Z11 via PCIe x1 Link					
	VRAM	32 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, 1~255 sec/min					
Miscellaneous	Audio Output	Intel High Definition audio interface (requires an audio extension module P/N: PCA-AUDIO-HDA1E)					
	CPU	Configuration 1: Intel Xeon Processor 5130 2.0 GHz (SLAGC), TDP 65W x 2					
Power Requirement	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
	CPU	Configuration 2: Intel Dual Xeon Processor 5450 3.0 GHz (SLAGC), TDP 80W 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	16.12 A	7.31 A	2.76 A	0.73 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				
	Vibration (5 ~ 500 Hz)	1 Grms		2 G			
Shock	10 G (with 11 ms duration, half sine wave)		30 G				
Physical Characteristics	Dimensions (W x H x D)	482 x 177 x 479 mm (19" x 7" x 18.9")					

Board Diagram



Ordering Information

Part Number	Gigabit LAN	VGA
TECH4U-810	Dual	Yes

Bracket View



Front View



Rear View

