

TECH4U-710

4U Intel® Core™2 Quad/Duo ATX with Dual DVI/VGA, 4 COM, Dual LAN System



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

Features

- Intel G41 chipset supports 800/1066/1333 MHz FSB
- Dual channel DDR3 800/1066 SDRAM up to 8 GB
- Supports dual display, VGA and DVI-D
- Supports dual core and quad core processors with 45nm processing
- Supports SATA RAID 0,1,5,10
- Supports Embedded software APIs and utilities
- Supports 400/300 W ATX PFC PS/2 power supply
- Easy to install front-accessible drive bays to hold three 5.25" and two 3.5" drives (one front-accessible & one internal)
- Front-accessible USB & PS/2 interfaces
- Designed to withstand environmental extremes, such as shock, vibration and high temperature
- Lockable front door prevents unauthorized access



Specifications



Utilities:

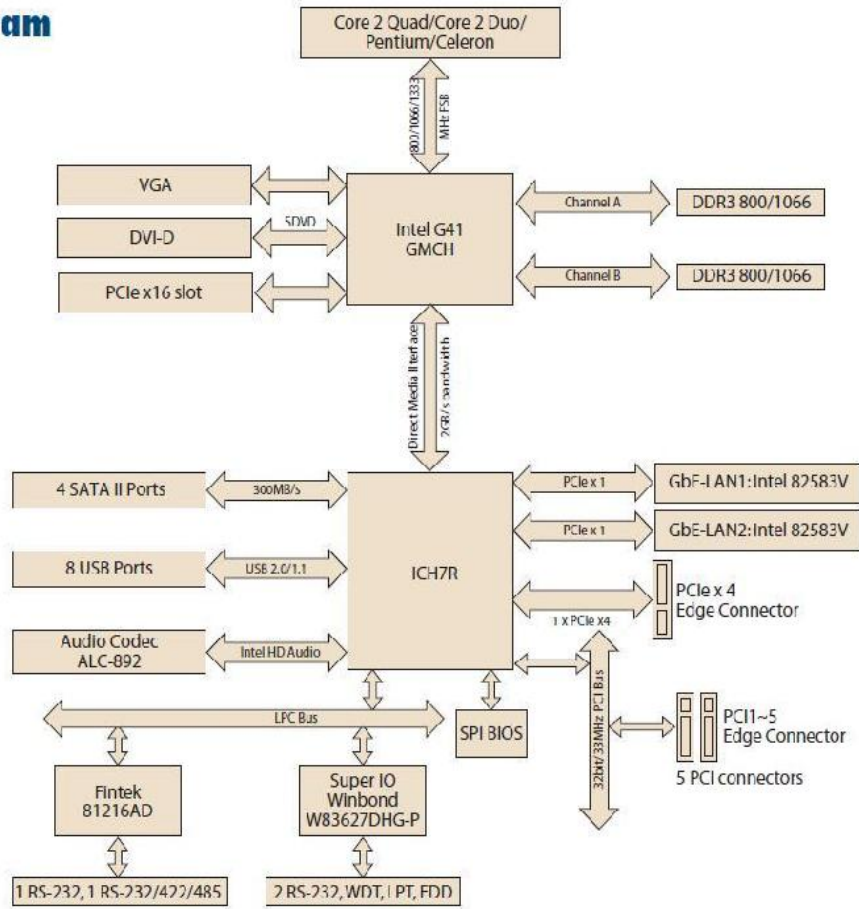


Software APIs:



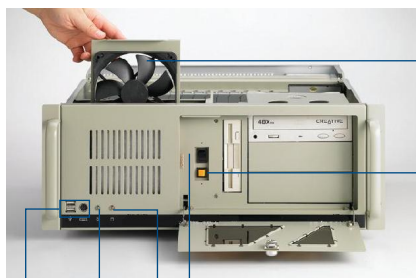
Processor System	CPU (45nm/65nm)	Intel Core 2 Quad	Intel Core 2 Duo	Intel Core 2 Duo		
	Max. Speed	Q9650 3.0 GHz	E8400 3.0 GHz	E7500 2.93 GHz		
	L2 Cache	12 MB	6 MB	3 MB		
	Chipset	Intel G41 + ICH7R				
	BIOS	AMI 32 Mbit, SPI				
Expansion Slot	Front Side Bus	800/1066/1333 MHz				
	PCIe x16	4.0 GB/s per direction, 1 slot				
	PCIe x4	1 GB/s per direction, 1 slot				
Memory	PCI	32-bit/33 MHz, 5 slots				
	Technology	Dual channel DDR3 800/1066 MHz				
	Max. Capacity	8 GB				
Graphics	Socket	2 x 240-pin DIMM				
	Embedded	Intel GMA X4500 shared 352 MB system memory				
	DVI	Yes (If PCIe x16 slot is used, DVI is automatically disabled)				
Ethernet	Dual Display	VGA + DVI				
	Interface	10/100/1000 Mbps				
	Controller	GbE LAN1: Intel 82583V, GbE LAN2: Intel 82583V				
SATA II	Connector	RJ-45 x 2				
	Max. Data Transfer Rate	300 MB/s				
Rear I/O	Channel	4				
	VGA	1				
	DVI	1				
	Ethernet	2				
	USB	4				
	Audio	2 (Line-out, Mic-in)				
	Serial	2 (2 x RS-232)				
	PS/2	2 (1 x keyboard and 1 x mouse)				
Internal Connectors	USB	4				
	Serial	2 (COM3 supports RS-232/422/485 with auto-flow control)				
	Parallel	1				
	SATA	4				
	FDD	1				
Watchdog Timer	Output	System reset				
	Interval	Programmable 1 ~ 255 sec				
Power Requirement	Power On	Intel Core 2 Quad Q9400 2.66 GHz FSB 1333 MHz, 2 x 2 GB DDR3 1066 SDRAM				
		3.3 V	5 V	12 V	5 Vsb	-12 V
Environment		0.28 A	3.12 A	2.52 A	0.6 A	0.24 A
	Operating	Non-Operating				
Physical Characteristics	Temperature	0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution		-40 ~ 85° C (-40 ~ 185° F)		
	Vibration (5 ~ 500 Hz)	1 Grms		2 G		
	Shock	10 G (with 11 ms duration, half sine wave)		30 G		
	Dimensions (W x H x D)	482 x 177 x 446 mm (19" x 7" x 17.6")				

Block Diagram



Ordering Information

Part Number	Chipset	Memory	Display	USB 2.0	COM	GbE LAN	PCIe x4	PCIe x16	SW RAID
TECH4U-710	G41/ICH7R	Non ECC	VGA/DVI	6	4	2	1 Slot	1 Slot	Yes



HDD LED
Power switch
USB & PS/2
Power LED

Easy-to-maintain cooling fan
System reset switch



One 3.5" drive bay
Three 5.25" drive bays
One internal 3.5" drive bay space



Motherboard can fit in 450 mm (17.7") depth

Bracket View

