

TECH4U-710

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



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:



Monitoring

Software APIs:



SMBus



H/W Monitor



Watchdog

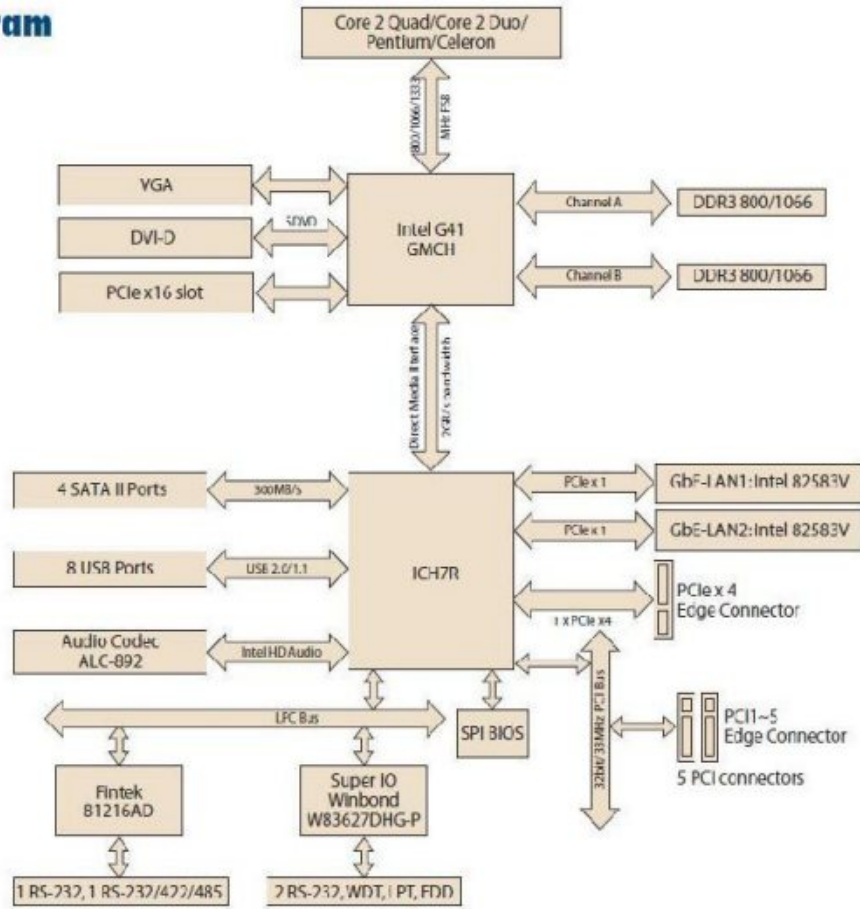
Processor System	CPU (45nm/65nm)	Intel Core 2 Quad	Intel Core 2 Duo	Intel Core 2 Duo	
	Max. Speed	Q9650 3.0 GHz	E8400 3.0 GHz	E7500 2.93 GHz	
	L2 Cache	12 MB	6 MB	3 MB	
	Chipset	Intel G41 + ICH7R			
	BIOS	AMI 32 Mbit, SPI			
	Front Side Bus	800/1066/1333 MHz			
Expansion Slot	PCIe x16	4.0 GB/s per direction, 1 slot			
	PCIe x4	1 GB/s per direction, 1 slot			
	PCI	32-bit/33 MHz, 5 slots			
Memory	Technology	Dual channel DDR3 800/1066 MHz			
	Max. Capacity	8 GB			
	Socket	2 x 240-pin DIMM			
Graphics	Embedded	Intel GMA X4500 shared 352 MB system memory			
	DVI	Yes (If PCIe x16 slot is used, DVI is automatically disabled)			
	Dual Display	VGA + DVI			
Ethernet	Interface	10/100/1000 Mbps			
	Controller	GbE LAN1: Intel 82583V, GbE LAN2: Intel 82583V			
	Connector	RJ-45 x 2			
SATA II	Max. Data Transfer Rate	300 MB/s			
	Channel	4			
Rear I/O	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)				
Watchdog Timer	Parallel	1			
	SATA	4			
	FDD	1			
	Output	System reset			
Power Requirement	Interval	Programmable 1 ~ 255 sec			
	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
		0.28 A	3.12 A	2.52 A	0.6 A
					-12 V
Environment	Operating	Non-Operating			
	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	
Physical Characteristics	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")			

technics

Industrial computers

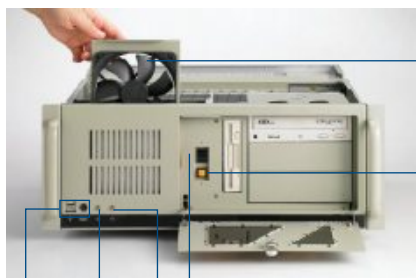
All product specifications are subject to change without notice

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

