

TECH4U-610

4U Intel® Core™ i7/i5/i3/Pentium® ATX with DVI/VGA, Dual GbE LAN System



Features

- Supports Intel® Core™ i7/i5/i3/Pentium® processor with H61 chipset
- Two DIMM sockets support up to 16 GB DDR3 1066/1333/1600
- Supports dual display VGA/DVI-D and dual GbE LAN
- Supports RS-232/422/485 with auto flow control
- Supports one PCIe x16 and 5 PCI expansion slots
- 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



Specifications



CE FCC

Utilities:



Monitoring

Software APIs:



SMBus



H/W Monitor



Watchdog

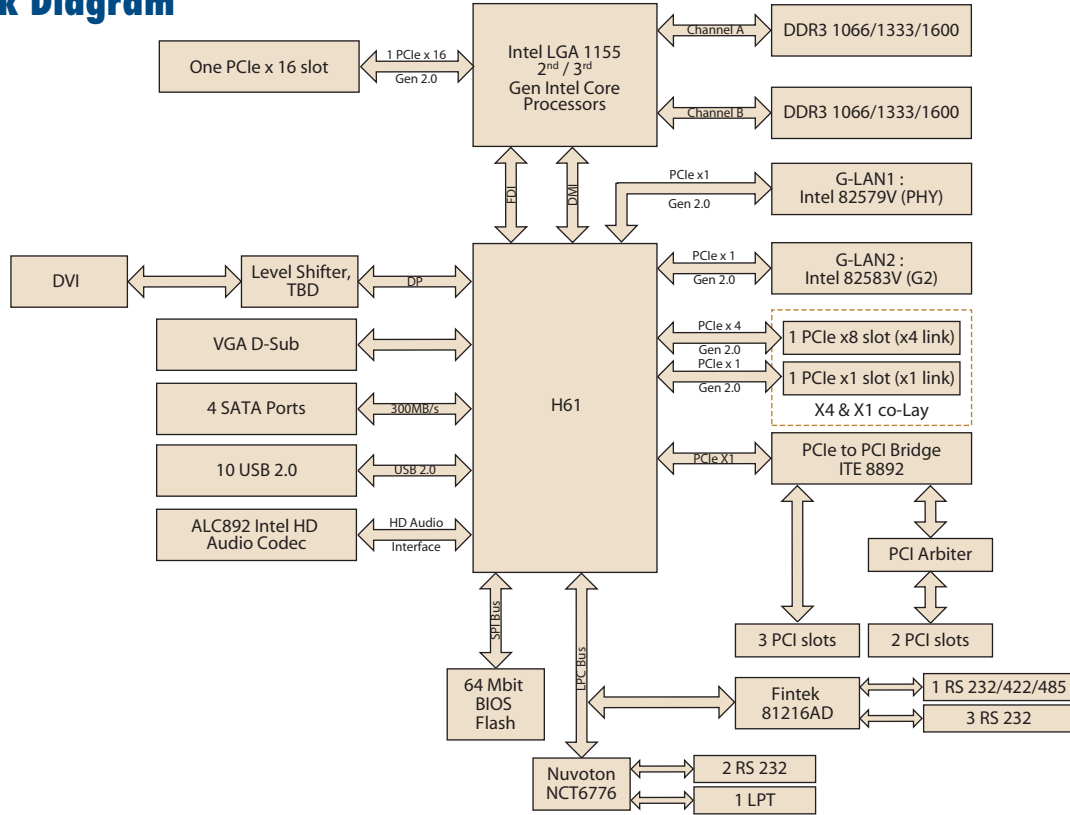
Processor System	CPU	Core i7 3xxx/2xxx	Core i5 3xxx/2xxx	Core i3 3xxx/2xxx	Pentium G8xx	
	Speed	3.4 GHz	3.4/3.3 GHz	3.4 GHz	2.9 GHz	
	L3 Cache	8 MB	6 MB	3 MB	3 MB	
	Socket	LGA1155				
	Chipset	H61				
	BIOS	AMI 64 Mbit SPI				
Expansion Slot	PCI	32-bit/33 MHz, 5 slots				
	PCIe x1 (Gen2)	500 MB/s, 1 slot				
	PCIe x16 (Gen2)	8 GB/s, 1 slot				
Memory	Technology	Dual Channel DDR3 1066/1333/1600 (1600 is only supported by Core i7/i5/i3 3xxx series processors)				
	Max. Capacity	16 GB				
	Socket	2 x 240-pin DIMM				
Graphics	Controller	Intel HD Graphics				
	VRAM	1 GB maximum shared memory with 2 GB and above system memory installed				
Ethernet	Interface	10/100/1000 Mbps				
	Controller	GbE LAN1: Intel 82579V, GbE LAN2: Intel 82583V				
	Connector	RJ-45 x 2				
SATA	Max Data Transfer Rate	300 MB/s				
	Channel	4				
Rear/Front I/O	VGA	1				
	DVI	1				
	Ethernet	2				
	USB	4 Rear/2 Front				
	Audio	2 (Mic-in, Line-out)				
	Serial	2 (RS-232)				
	PS/2	2 (1 x keyboard and 1 x mouse) Rear/1 Front				
Internal Connectors	USB	6				
	Serial	4 (3 x RS-232, 1 x RS-232/422/485 with auto-flow control)				
	IDE	-				
	SATA	4				
	Parallel	1				
	IrDA	1				
	GPIO	8-bit				
Watchdog Timer	Output	System reset				
	Interval	Programmable 1 ~ 255 sec				
Power Requirement	Power On	Intel i7 2600 3.4 GHz processor, DDR3 4 GB x 2				
		3.3 V	5 V	12 V	5 Vsb	
		1.01 A	1.08 A	5.48 A	1.76 A	
Environment	Temperature	Operating		Non-Operating		
		0 ~ 60° C (32 ~ 140° F)		-40 ~ 85° C (-40 ~ 185° F)		
	(Depends on CPU speed and cooler solution)					
	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 446 mm (19" x 7" x 17.6")			

technics

Industrial computers

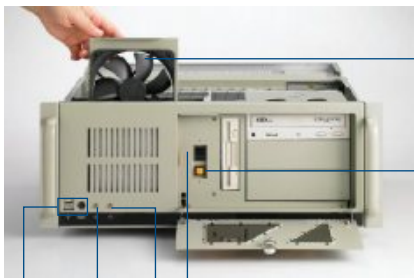
All product specifications are subject to change without notice

Block Diagram



Ordering Information

Part Number	Chipset	Memory	Display	USB 2.0	COM	GbE LAN	PCIe x1	PCIe x4	SW RAID
TECH4U-610	H61	Non-ECC	VGA + DVI	6	4	2	Yes	NA	NA



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

