

TECH 4U 611

LGA1151 6th/7th Generation Intel® Core™ i7/i5/i3/Pentium®/Celeron® ATX with DVI/VGA, DDR4, SATA III, USB 3.0 & 6 COMs



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

Features

- Intel 6th/7th generation Core i7/i5/i3/pentium processor
- Dual channel (Non-ECC) DDR4 1866/2133 up to 32GB
- Support VGA and DVI display
- Support SATA3.0, USB3.0, dual GbEs
- Support 5 RS-232 and 1 RS-232/422/485 serial ports
- 1 PCIe x16 (Gen3) and 1 PCIe x4 (Gen2), and 5 PCI expansion slots
- Supports 400 W ATX PFC PS/2 power supply and redundant ATX power supplies.
- 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.
- 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.

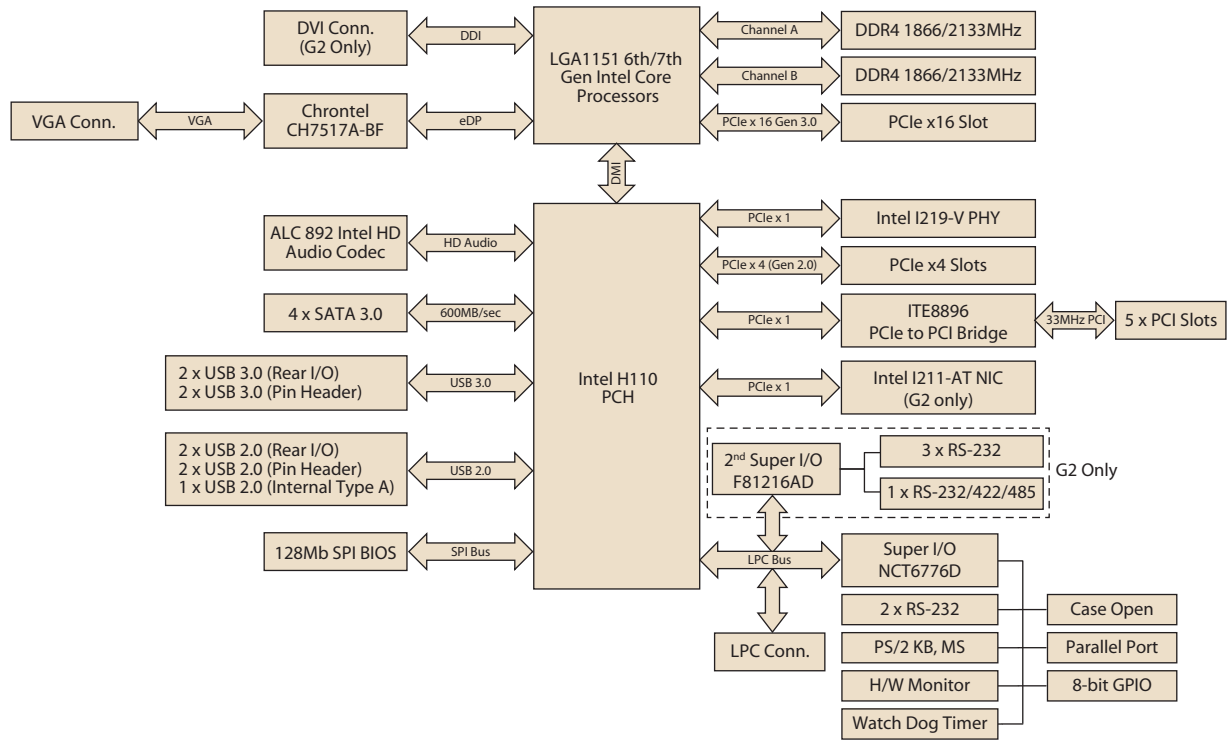
Quiet Specifications



CE FCC

Processor System	CPU	i7-7700	i7-7700T	i7-6700	i7-6700TE	i5-7500	i5-7500T	i5-6500	i5-6500TE	i3-7101E	i3-7101TE	i3-6100	i3-6100TE	G4400	G4400TE	G3900	G3900TE		
	Speed	3.6GHz	2.9GHz	3.4 GHz	2.4 GHz	3.4GHz	2.7GHz	3.2 GHz	2.3 GHz	3.9GHz	3.4GHz	3.7 GHz	2.7 GHz	3.3 GHz	2.9 GHz	2.8 GHz	2.6 GHz		
	Cache	8MB	8MB	8 MB	8 MB	6MB	6MB	6 MB	6 MB	3MB	3MB	4 MB	4 MB	3 MB	3 MB	2 MB	2 MB		
	Socket	LGA 1151																	
	Chipset	Intel H110																	
	BIOS	AMI 128Mbit SPI Flash																	
	PCI	32-bit/33 MHz, 5 slots																	
Expansion Slot	PCIe x4 (Gen2)	2 GB/s per direction, 1 slot																	
	PCIe x16 (Gen3)	16 GB/s per direction, 1 slot																	
Memory	Technology	Dual Channel(Non-ECC) DDR4 1866/2133 MHz																	
	Max Capacity	32 GB (16 GB per DIMM)																	
	Sockets	DDR4 288-pin DIMM x2																	
Graphics	Controller	Chipset integrated Intel HD Graphics																	
	VRAM	Shared system memory is subject to OS																	
Ethernet	Interface	10/100/1000 Mbps																	
	Controller	GbE LAN1: Intel I219-V, GbE LAN2: Intel I211-AT																	
	Connector	RJ-45 x2																	
SATA	Max Data Transfer Rate	600 MB/s																	
	Channel	4																	
Rear I/O	VGA	1 (Resolution up to 1920 x 1200 @ 60Hz)																	
	DVI	1 for G2 version (Resolution up to 1920 x 1200 @ 60Hz)																	
	Ethernet	2 for G2 version; 1 for VG version																	
	USB	4 (USB3.0 x2, USB2.0 x2)																	
	Audio	Line-out, Mic-in																	
	Serial	2																	
Internal Connectors	PS/2	2 (1 x keyboard and 1 x mouse)																	
	USB	1 (Type A); 2 (USB2.0, Pin-header); 2 (USB3.0, Box-header)																	
	Serial	4 for G2 version (3 x RS-232, box-header; 1 x RS-232/422/485 with auto-flow control, box-header)																	
	Parallel	1																	
Watchdog Timer	GPIO	8 bits																	
	Output	System reset																	
Power Requirement	Interval	Programmable 1 - 255 sec																	
	Test Environment	Intel Core i7-6700 3.4GHz; DDR4 2133 8GB x 2																	
Environment	Voltage	3.3V			5V			12V			5Vsb			-5V			-12V		
	Current	0.49A			3.13A			7.88A			0.08A			0.07A			0.07A		
	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)							
	Humidity	40 °C @ 95% RH Non-condensing										60 °C @ 95% RH Non-condensing							
Dimensions (W x H x D)	482 x 177 x 479 mm (19" x 7" x 18.9")																		

Block Diagram



Ordering Information

Part Number	Chipset	Memory	Display	USB 3.0	USB 2.0	COM	GbE LAN	AMT	SATA	SW RAID	Intelligent System Module Support
TECH 4U 611	H110	Non-ECC	VGA + DVI	4	5	6	2	No	4	No	No

Front View



Rear View



Bracket View

