

# TECH 4U 511

LGA1150 4th Generation Intel® Core™ i7/i5/i3/  
Pentium ATX with DVI/VGA, DDR3, SATA III



BIS  
Regn.No.  
R-85000140

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

## Features

- Supports LGA 1150 Intel® 4th Generation Core i7/i5/i3 processors.
- One PCIe x16 link, One PCIe x4, One PCIe x1 & Four PCI slots.
- Four DIMM sockets support up to 32 GB DDR3 1333/1600.
- Rackmount optimized placement with positive air flow design.
- Supports Intel vPro, iAMT 9.0 & TPM technologies
- Supports 400/300 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.
- Supports triple display VGA/2 DVI-D and dual GbE LAN
- Supports SATA RAID 0, 1, 5, 10, USB 3.0



Quiet

SUSIAccess  
Remote Device Management



CE FCC

Software APIs:



Utilities:



Monitoring

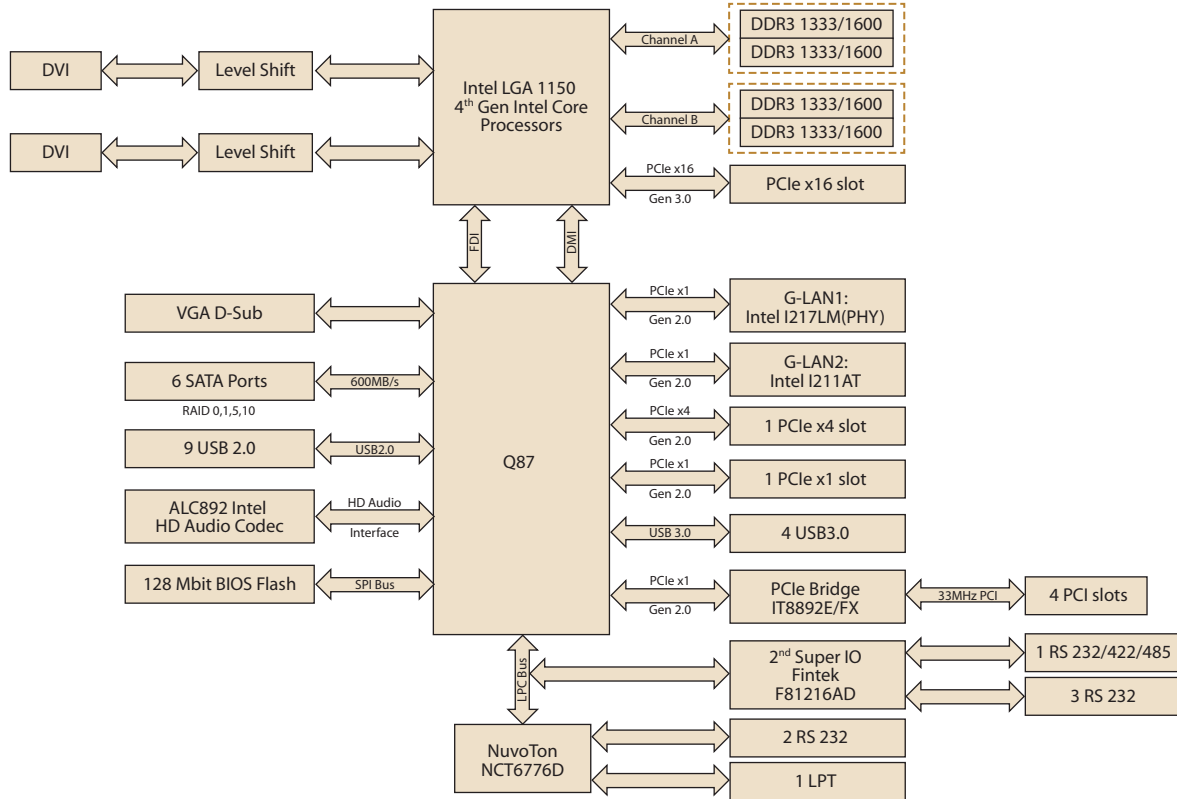
## Specifications

Processor System	CPU	i7-4790S	i7-4790T	i7-4770S	i7-4770TE	i5-4590S	i5-4590T	i5-4570S	i5-4570TE	i3-4360	i3-4350T	i3-4330	i3-4330TE	G3420	G3320TE	G1820	G1820TE
	Speed	3.2GHz	2.7GHz	3.1GHz	2.3GHz	3.0GHz	2.0GHz	2.9GHz	2.7GHz	3.7GHz	3.1GHz	3.5GHz	2.4GHz	3.2 GHz	2.3 GHz	2.7 GHz	2.2 GHz
	L3 Cache	8MB	8MB	8MB	8MB	6MB	6MB	6MB	4MB	4MB	4MB	4MB	4MB	3MB	3MB	2MB	2MB
	Socket	LGA1150															
	Chipset	Q87															
	BIOS	AMI 128 Mbit SPI															
Expansion Slot	PCI	32-bit/33 MHz, 4 slots															
	PCIe x 1 (Gen2)	500 MB/s per direction, 1 slot															
	PCIe x 4 (Gen2)	2.0 GB/s per direction, 1 slot															
	PCIe x16 (Gen3)	16 GB/s per direction, 1 slot															
Memory	Technology	Dual Channel DDR3 1333/1600															
	Max. Capacity	32 GB															
	Socket	4 x 240-pin DIMM															
Graphics	Controller	Intel HD Graphics (Depends on processor)															
	VRAM	1 GB maximum shared memory with 2 GB and above system memory installed															
Ethernet	Interface	10/100/1000 Mbps															
	Controller	GbE LAN1: Intel I217LM, GbE LAN2: Intel I211AT															
	Connector	RJ-45 x 2															
SATA	Max Data Transfer Rate	600 MB/s															
	Channel	6															
Rear I/O	VGA	1															
	DVI	2															
	Ethernet	2 (GbE)															
	USB	4 (Two USB 3.0)															
	Audio	2 (Mic-in, Line-out)															
	Serial	1 (RS-232)															
	PS/2	2 (1 x keyboard and 1 x mouse)															
	Internal Connectors	USB	9 (Two USB 3.0)														
Serial		5 (4 x RS-232, 1x RS-232/422/485 with auto-flow control)															
SATA		6															
Parallel		1															
Display Port		1															
IrDA		-															
GPIO		-															
Watchdog Timer	Output	System reset															
	Interval	Programmable 1 ~ 255 sec															
Power Requirement	Power On	Intel Core i7-4790S processor; DDR3 8GB x4															
		3.3V		5V		12V		5VSB		-12V							
Environment		1.060		1.554		4.922		0.048		0.044							
	Operating	0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution										Non-Operating					
Physical Characteristics		-40 ~ 85° C (-40 ~ 185° F)															
	Dimensions	482 x 177 x 479 mm (19" x 7" x 18.9")															

technics

All product specifications are subject to change without notice

### Block Diagram



### Ordering Information

Part Number	Description
TECH 4U 511	i7/i5/i3 based Server System

### Bracket View



### Front View



### Rear View

