

TECH 4U 911

LGA 1151 Intel® Xeon® E3 v5/v6 & 6th/7th Generation Core™ i7/i5/i3 ATX Server Board with DDR4, 4 PCIe, 3 PCI, 6 USB 3.0, 6 SATA3, Quad/Dual LANs System



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



CE FCC

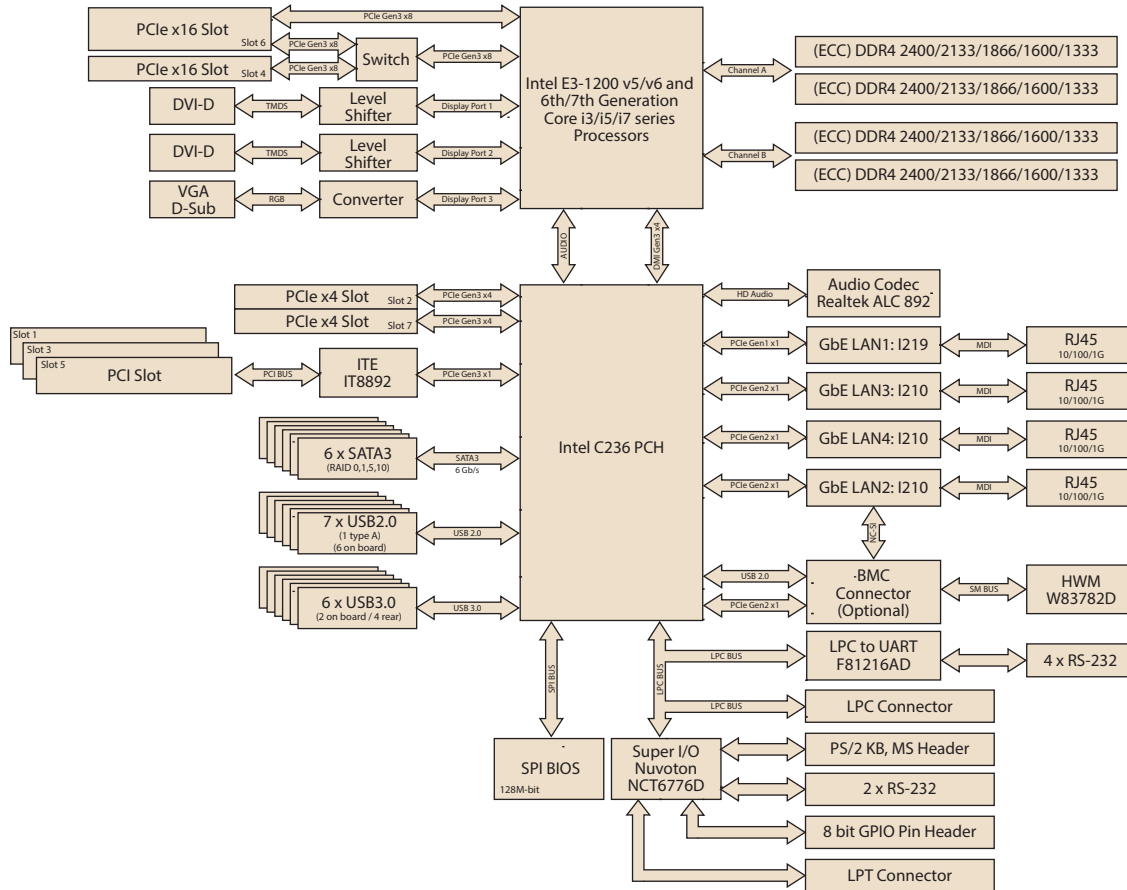
Features

- Supports LGA 1151 Intel® Xeon® E3-1200 v5/v6 and 6th/7th Generation Core™ i7/i5/i3 processors.
- DDR4 2400/2133/1866/1600/1333 MHz ECC/Non-ECC UDIMM up to 64 GB
- One Gen 3.0 PCIe x16 link (or two PCIe x16 slots with x8 link), two PCIe x4, and three PCI slots.
- Rackmount optimized placement with positive air flow design
- 0 ~ 50° C ambient operation temperature range
- Supports 400 W ATX PFC PS/2 power supply and redundant ATX power supplies.
- Front-accessible Dual USB 3.0 ports.
- Designed to withstand environmental extremes, such as shock & vibration
- Smart fan speed control.
- Front LEDs indicate power status, and HDD activity.
- Lockable front door prevents unauthorized access.
- Front-accessible system fan without opening top cover for easy maintenance
- Shock-resistant disk drive bay holds four hot-swap 3.5" and 2.5" SATA disk trays, one slim optical disk drive, and one 2.5" internal drive

Specifications

Form Factor		ATX form factor					
Processor System	Socket	Intel LGA 1151					
	CPU type	Intel® Xeon® E3-1200 v5/v6 and 6th/7th Generation Core™ i3/i5/i7 series (TDP up to 91W)					
Core Logic	Chipset	Intel C236 chipset					
Memory	Total slots	4 (Dual Channel)					
	Max. capacity	64 GB					
	Memory type	DDR4 ECC/Non-ECC 2400/2133/1866/1600 MHz UDIMM (288-pin)					
	Memory size	4 GB, 8 GB, 16 GB					
Expansion Slots	Total PCI/PCI-X/PCIe slots	7					
	Slot location 1	PCI					
	Slot location 2	PCIe x4 slot (Gen3 x4 link)					
	Slot location 3	PCI					
	Slot location 4	PCIe x16 slot (Gen3 x8 link)					
	Slot location 5	PCI					
	Slot location 6	PCIe x16 slot (Gen3 x8 or x16 link)					
Graphics	Slot location 7	PCIe x4 slot (Gen3 x4 link)					
	Controller	Intel HD Graphics					
Storage	VRAM	1 GB maximum shared memory with 2 GB and above system memory installed					
	SATA controller	Intel C236: 6 SATA3 6 Gb/s ports with Intel Matrix Storage support (for Windows only) (Supports software RAID 0, 1, 10 & 5)					
Networking	SAS controller	-					
	Interface	10/100/1000 Mbps					
Onboard I/O Connectors	Controller	GbE LAN1: Intel I219; GbE LAN 2-4: Intel I210-AT					
	Connector	RJ-45 x 2 for G2 version; RJ-45 x 4 for G4 version					
	Printer Port connector	1					
Rear I/O Connectors	PSU connector	24-pin SSI power connector + 8-pin SSI 12V power connector					
	USB connector	1 USB 3.0 (2 ports), 3 USB 2.0 (6 ports), 1 USB Type-A					
	Fan header	5 (4-pin)					
	SMBus	1					
	Chassis intruder	1					
	Front LAN LED	2					
	Serial port header	2 (support 4 RS-232 ports) + 1 (support 1 RS-232 port)					
	Audio connector	1 (ALC 892)					
	PS/2 KB/Mouse	1					
	External serial port	1					
	External USB port	4 (USB 3.0)					
Watchdog Timer	VGA port	1					
	DVI	2					
	Display port	-					
	RJ-45	2 for G2 version; 4 for G4 version					
	Audio connector	2 (Mic-in, Line-out)					
	PS/2 KB/Mouse	-					
	Output	System reset					
Power Requirement	Interval	Programmable 1 ~ 255 sec					
	Power On	Intel® Xeon® E3-1275 v5 3.60GHz; DDR4 8G x 4					
Environment		3.3 V	5 V	12 V	12V_8P	5 Vsb	-12 V
		0.96A	1.58A	0.32A	7.21A	0.11A	0.06A
	Operating	Non-operating					
Physical Characteristics	Temperature	0 ~ 60° C (32 ~ 140° F)					
	Humidity	10 ~ 90%					
	Dimensions (W x H x D)	482 x 177 x 479 mm (19" x 7" x 18.9")					

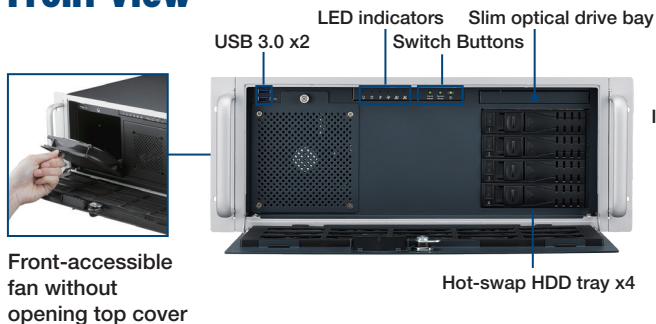
Block Diagram



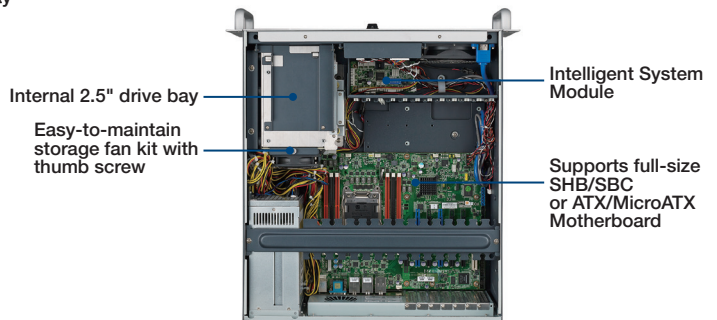
Ordering Information

Part Number	Chipset	Memory	LAN	USB 3.0	DVI	SATAIII	IPMI
TECH 4U 911	C236	DDR4 Non-ECC/ECC UDIMM	2	6	2	6	Optional

Front View



Inside View



Rear View

