

# TECH 4U 611-585

## LGA 1151 Intel® Xeon® E3 v5/v6 & 6th/7th Generation Core™ Series Micro ATX Server Board with 4 DDR4, 1 PCIe x16, 3 PCIe x4, Quad LANs, USB 3.0



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.
- DR4 ECC/non-ECC 2400/2133/1866/1600 MHz DIMM up to 64GB
- One PCIe x16 slot (Gen3 x16 link), three PCIe x4 slots (2 Gen3 x 4 links, 1 Gen3 x1 link).
- Triple display - two DVI-D and one VGA ports
- Supports up to ten RS-232 or six RS-232 and four RS-422/485 ports
- Rackmount optimized placement with positive air flow design
- Supports 400 W ATX PFC PS/2 power supply.
- Easy to install front-accessible drive bays to hold three 5.25" and one 3.5" disk drives.
- Front-accessible USB & PS/2 interfaces.
- Front LEDs indicate power status, and HDD activity.
- Lockable front door prevents unauthorized access.
- Supports Internal 5.25" DVD-RW.

**Note: Intel Xeon E3 v6 & 7th Core processors only support Windows 10 (64-bit) and Server 2016 (64-bit).**

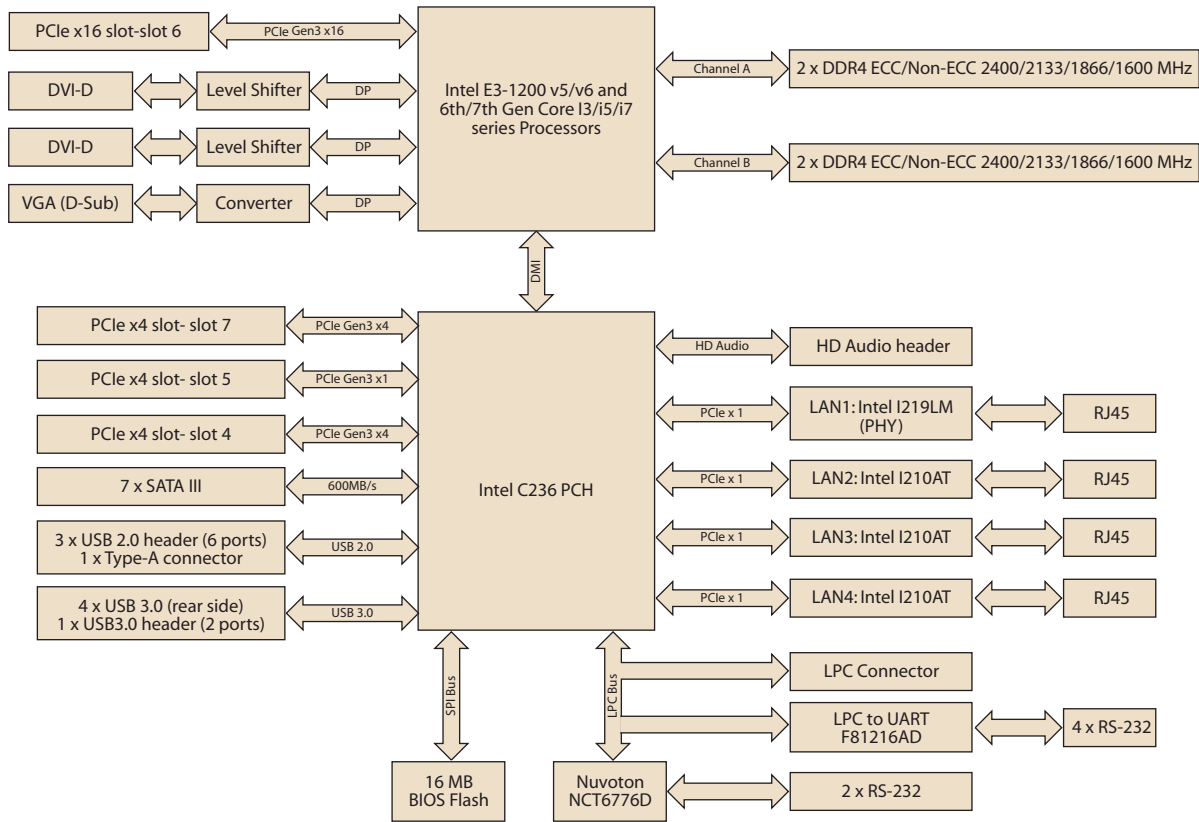
### Specifications

Form Factor		19" 4U Rackmount				
Processor System	Socket	Intel LGA 1151				
	CPU type	Intel® Xeon® E3-1200 v5/v6 and 6th/7th Gen Core™ i3/i5/i7 series processors (TDP up to 91W)				
Core Logic	Chipset	Intel C236 chipset				
Memory	Total slots	4				
	Capacity	Maximum 64 GB				
	Memory type	DDR4 ECC/Non-ECC 2400/2133/1866/1600 MHz UDIMM*				
	Memory size	4 GB, 8 GB, 16 GB				
Expansion Slots	Total PCI/PCI-X/PCIe slots	4				
	Slot location 1	-				
	Slot location 2	-				
	Slot location 3	-				
	Slot location 4	PCIe x4 slot (Gen3 x4 link)				
	Slot location 5	PCIe x4 slot (Gen3 x1 link)				
	Slot location 6	PCIe x16 slot (Gen3 x16 link)				
Graphics	VGA	Intel HD Graphics**				
	VRAM	1 GB maximum shared memory with 2 GB and above system memory installed				
Storage	SATA controller	Intel C236: 7 SATA3 6Gb/s Intel Rapid Storage Technology (for Windows only) (Supports software RAID 0, 1, 10 & 5)				
	SAS controller	-				
Networking	GbE LAN	1 x Intel I219LM + 3 x Intel I210AT				
Onboard I/O Connector	LPT connector	-				
	PSU connector	24-pin SSI power connector + 8-pin SSI 12 V power connector				
	USB 2.0 connector	3 (supports 6 x USB2.0 port), 1 x Type-A				
	USB 3.0 connector	1 (support 2 x USB 3.0 port)				
	Fan header	5 x 4pin				
	SMBus	1				
	Chassis intruder	1				
	Front LAN LED	2				
	Audio Header	1 (ALC 892)				
	Serial port header	3 (supports 5 x serial ports)				
	Rear I/O Connector	External serial port	1			
External USB port		4 x USB 3.0				
VGA port		1				
DVI port		2				
RJ-45		4				
PS/2 KB/mouse		-				
Watchdog Timer	Output	System reset				
	Interval	Programmable 1 ~ 255 sec/min				
Power Requirement	Power On	3.3 V	5 V	12 V	5 Vsb	-12 V
		0.68A	1.31A	1.04A	0.13A	0.06A
Environment	Temperature	Operating		Non-operating		
		0 ~ 60 °C, depends on CPU speed and cooler solution		-40 ~ 85 °C		
Physical Characteristics	Humidity	0% ~ 95%		5% ~ 95% (Non condensing)		
		Dimension (W x H x D)	482 x 177 x 479 mm (19" x 7" x 18.9")			

\* ECC memory support or not depends on Intel processor specification.

\*\* Some Xeon processors have no graphic support. Please check Intel specification for processor graphics availability.

### Block Diagram



### Ordering Information

Part Number	Chipset	Memory	LAN	IPMI	Graphics
TECH 4U 611-585	C236	DDR4 ECC/Non-ECC	2	-	Intel HD Graphics

### Front View



### Rear View



### I/O View

