

TECH-4010-585

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, Dual LANs, USB 3.0



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 x4 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 Redundant ATX power supply.
- Easy to install front-accessible drive bays to hold two 5.25" and two 3.5" disk drives.
- Front-accessible USB interfaces.
- Lockable front door prevents unauthorized access.
- LED indicators and alarm notification for system fault detection
- Low noise system fans.

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

Specifications



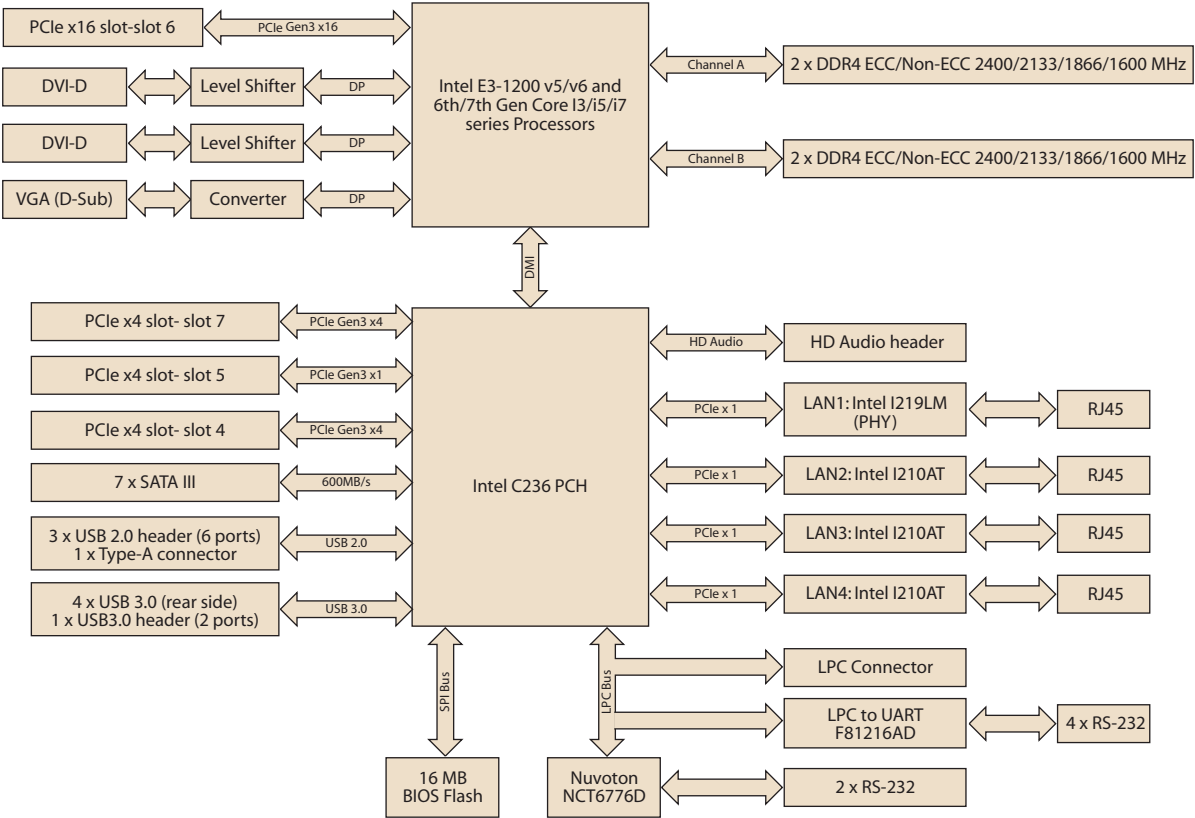
CE FCC

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	Slot location 7	PCIe x4 slot (Gen3 x4 link)
	VGA	Intel HD Graphics**
Storage	VRAM	1 GB maximum shared memory with 2 GB and above system memory installed
	SATA controller	Intel C236: 7 SATA3 6Gb/s Intel Rapid Storage Technology (for Windows only) (Supports software RAID 0, 1, 10 & 5)
Networking	SAS controller	-
	GbE LAN	1 x Intel I219LM + 1 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	Audio	2 (Mic-in, Line-out)
	Output	System reset
Power Requirement	Interval	Programmable 1 ~ 255 sec/min
	Power On	3.3 V 5 V 12 V 5 Vsb -12 V
Environment		0.68A 1.31A 1.04A 0.13A 0.06A
		Operating Non-operating
	Temperature	0 ~ 60 °C, depends on CPU speed and cooler solution -40 ~ 85 °C
	Humidity	0% ~ 95% 5% ~ 95% (Non condensing)
Physical Characteristics	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.

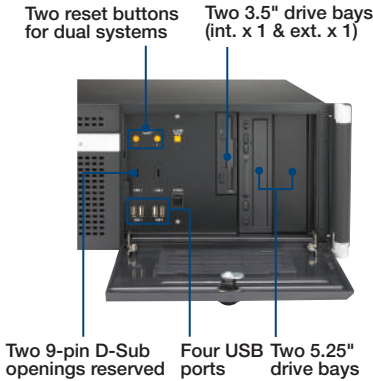
Block Diagram



Ordering Information

Part Number	Chipset	Memory	LAN	IPMI	Graphics
TECH-4010-585	C236	DDR4 ECC/Non-ECC	2	-	Intel HD Graphics

Front View



Inside View



I/O View

