



Lenovo System x3550 M5 server Rack (1U) Intel Xeon E5 v3 E5-2650V3 2.3 GHz 16 GB DDR4-SDRAM 750 W

Brand : Lenovo

Product family: System

Product code: 5463EDU

Product name : x3550 M5



1x E5-2650 v3 10C 2.3GHz 25MB, 1x 16GB 2133MHz, M5210, 4x 2.5" HS / 8, 4x GbE, 1x 750 W HS, 429 x 734 x 43 mm

Lenovo System x3550 M5. Processor family: Intel Xeon E5 v3, Processor frequency: 2.3 GHz, Processor model: E5-2650V3. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory layout (slots x size): 1 x 16 GB. HDD size: 2.5/3.5", HDD interface: Serial ATA III, Serial Attached SCSI (SAS). Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Optical drive type: DVD±RW. Power supply: 750 W, Redundant power supply (RPS) support. Chassis type: Rack (1U)



Processor		Expansion slots	
Processor manufacturer *	Intel	PCI Express x8 (Gen 3.x) slots	1
Processor family *	Intel Xeon E5 v3	PCI Express x16 (Gen 3.x) slots	3
Processor model *	E5-2650V3	PCI Express slots version	3.0
Processor frequency *	2.3 GHz	Design	
Processor boost frequency	3 GHz	Chassis type *	Rack (1U)
Processor cores	10	Rack mounting	✓
Processor cache	25 MB	Software	
Motherboard chipset	Intel® C612	Operating system installed *	✗
Memory channels supported by processor	Quad	Compatible operating systems *	Microsoft Windows Server 2012 R2, 2012, 2008 R2, Red Hat Enterprise Linux 6, 7, SUSE Linux Enterprise Server 11, VMware vSphere (ESXi) 5.1, 5.5.
Number of processors installed	1	Processor special features	
Thermal Design Power (TDP)	105 W	CPU configuration (max)	2
Processor cache type	Smart Cache	Intel Rapid Storage Technology	✗
System bus rate	9.6 GT/s	Enhanced Intel SpeedStep Technology	✓
Compatible processor series	Intel® Xeon®	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor socket	LGA 2011-v3	Intel® Wireless Display (Intel® WiDi)	✗
Supported processor sockets	LGA 2011-v3 (Socket R)	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor lithography	22 nm	Intel® Anti-Theft Technology (Intel® AT)	✗
Processor threads	20	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor operating modes	64-bit	Intel® My WiFi Technology (Intel® MWT)	✗
Stepping	M1	Intel® Turbo Boost Technology	2.0
FSB Parity	✗	Intel® Quick Sync Video Technology	✗
Bus type	QPI	Intel® InTru™ 3D Technology	✗
Number of QPI links	2	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Processor codename	Haswell	Intel® Insider™	✗
Tcase	78.9 °C	Intel Flex Memory Access	✗
Maximum internal memory supported by processor	768 GB	Intel® Smart Cache	✓
Memory types supported by processor	DDR4-SDRAM	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory clock speeds supported by processor	1600,1866,2133 MHz	Intel Trusted Execution Technology	✓
Memory bandwidth supported by processor (max)	68 GB/s	Intel Enhanced Halt State	✓
ECC supported by processor	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Execute Disable Bit	✓	Intel Demand Based Switching	✓
Idle States	✓		
Thermal Monitoring Technologies	✓		
Maximum number of PCI Express lanes	40		
PCI Express configurations	x4, x8, x16		
Processor package size	52.5 x 45 mm		
Supported instruction sets	AVX 2.0		
Processor code	SR1YA		

Processor		Processor special features	
Scalability	25	Intel® Secure Key	✓
Physical Address Extension (PAE)	46 bit	Intel TSX-NI	✗
Embedded options available	✗	Intel® OS Guard	✓
Processor series	Intel Xeon E5-2600 v3	Intel Clear Video Technology	✗
Conflict-Free processor	✗	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory		Intel 64	✓
Internal memory *	16 GB	Intel Identity Protection Technology version	0.00
Internal memory type *	DDR4-SDRAM	Intel Secure Key Technology version	1.00
Memory slots	24	Intel Virtualization Technology (VT-x)	✓
ECC	✓	Intel TSX-NI version	0.00
Memory clock speed	2133 MHz	Intel Dual Display Capable Technology	✗
Memory layout (slots x size)	1 x 16 GB	Intel FDI Technology	✗
Maximum internal memory *	1.5 TB	Intel Fast Memory Access	✗
Storage		Processor ARK ID	81705
Maximum storage capacity *	46 TB	Power	
HDD interface	Serial ATA III, Serial Attached SCSI (SAS)	Redundant power supply (RPS) support *	✓
HDD size	2.5/3.5"	Power supply *	750 W
Supported HDD sizes	2.5,3.5"	Number of redundant power supplies supported	2
RAID support *	✓	Number of main power supplies	1
RAID levels	0, 1, 10	Weight & dimensions	
Hot-Plug support	✓	Width	429 mm
Hot-swap	✓	Depth	734 mm
Optical drive type *	DVD±RW	Height	43 mm
Supported storage drive interfaces	SAS-2, Serial ATA III	Technical details	
Card reader integrated	✓	Sustainability certificates	ENERGY STAR
Compatible memory cards	SD	Other features	
Network		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Ethernet LAN	✓		
Cabling technology	10/100/1000Base-T(X)		
Ethernet interface type	Gigabit Ethernet		
Ports & interfaces			
Ethernet LAN (RJ-45) ports *	4		
USB 2.0 ports quantity	4		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	3		
VGA (D-Sub) ports quantity	2		
Serial ports quantity	1		

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