



# Lenovo System x3550 M5 server Rack (1U) Intel Xeon E5 v3 E5-2640V3 2.6 GHz 16 GB DDR4-SDRAM 550 W

**Brand :** Lenovo

**Product family:** System

**Product code:** 5463ECU

**Product name :** x3550 M5



1x E5-2640 v3 8C 2.6GHz 20MB, 1x 16GB 2133MHz, M5210, 4x 2.5" HS / 8, 4x GbE, 1x 550 W HS, 429 x 734 x 43 mm

Lenovo System x3550 M5. Processor family: Intel Xeon E5 v3, Processor frequency: 2.6 GHz, Processor model: E5-2640V3. 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: 550 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 *	E5-2640V3	PCI Express slots version	3.0
Processor frequency *	2.6 GHz	<b>Design</b>	
Processor boost frequency	3.4 GHz	Chassis type *	Rack (1U)
Processor cores	8	Rack mounting	✓
Processor cache	20 MB	<b>Software</b>	
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	<b>Processor special features</b>	
Thermal Design Power (TDP)	90 W	CPU configuration (max)	2
Processor cache type	Smart Cache	Intel Rapid Storage Technology	✗
System bus rate	8 GT/s	Enhanced Intel SpeedStep Technology	✓
Compatible processor series	Intel® Xeon®	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor socket	LGA 2011 (Socket R)	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	16	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor operating modes	64-bit	Intel® My WiFi Technology (Intel® MWT)	✗
Stepping	R2	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	74.3 °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 MHz	Intel Trusted Execution Technology	✓
Memory bandwidth supported by processor (max)	59 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		
Processor code	SR205		

Processor		Processor special features	
Scalability	25	Intel® Secure Key	✓
Physical Address Extension (PAE)	✓	Intel TSX-NI	✗
Physical Address Extension (PAE)	46 bit	Intel® OS Guard	✓
Embedded options available	✓	Intel Clear Video Technology	✗
Processor series	Intel Xeon E5-2600 v3	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Conflict-Free processor	✗	Intel 64	✓
<b>Memory</b>		Intel Identity Protection Technology version	0.00
Internal memory *	16 GB	Intel Secure Key Technology version	1.00
Internal memory type *	DDR4-SDRAM	Intel Virtualization Technology (VT-x)	✓
Memory slots	24	Intel TSX-NI version	0.00
ECC	✓	Intel Dual Display Capable Technology	✗
Memory clock speed	2133 MHz	Intel FDI Technology	✗
Memory layout (slots x size)	1 x 16 GB	Intel Fast Memory Access	✗
Maximum internal memory *	1.5 TB	Processor ARK ID	83359
<b>Storage</b>		<b>Power</b>	
Maximum storage capacity *	46 TB	Redundant power supply (RPS) support *	✓
HDD interface	Serial ATA III, Serial Attached SCSI (SAS)	Power supply *	550 W
HDD size	2.5/3.5"	Number of redundant power supplies supported	2
Supported HDD sizes	2.5,3.5"	Number of main power supplies	1
RAID support *	✓	<b>Weight &amp; dimensions</b>	
RAID levels	0, 1, 5, 10	Width	429 mm
Hot-Plug support	✓	Depth	734 mm
Hot-swap	✓	Height	43 mm
Optical drive type *	DVD±RW	<b>Technical details</b>	
Supported storage drive interfaces	SAS-2, Serial ATA III	Sustainability certificates	ENERGY STAR
Card reader integrated	✓	<b>Other features</b>	
Compatible memory cards	SD	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
<b>Network</b>			
Ethernet LAN	✓		
Cabling technology	10/100/1000Base-T(X)		
Ethernet interface type	Gigabit Ethernet		
<b>Ports &amp; interfaces</b>			
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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