



Lenovo System x3550 M5 server Rack (1U) Intel® Xeon® E5 v4 E5-2640V4 2.4 GHz 16 GB DDR4-SDRAM 750 W



Brand : Lenovo

Product family: System

Product code: 8869ELG

Product name : x3550 M5

Intel Xeon E5-2640 v4(25M Cache, 2.40 GHz), 16GB DDR3 2133MHz, Raid M5210-e, 4 x 2.5" Hot swap SATA/SAS, 4 x GbE, 1 x 750W redundant hot-swap

Lenovo System x3550 M5. Processor family: Intel® Xeon® E5 v4, Processor frequency: 2.4 GHz, Processor model: E5-2640V4. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory layout (slots x size): 1 x 16 GB. HDD size: 2.5", HDD interface: Serial ATA III, Serial Attached SCSI (SAS). Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Power supply: 750 W, Redundant power supply (RPS) support. Chassis type: Rack (1U)



Processor		Network	
Processor manufacturer *	Intel	LAN controller	Broadcom BCM5719
Processor family *	Intel® Xeon® E5 v4	Ethernet LAN	✓
Processor model *	E5-2640V4	Cabling technology	10/100/1000Base-T(X)
Processor frequency *	2.4 GHz	Ethernet interface type	Fast Ethernet, Gigabit Ethernet
Processor boost frequency	3.4 GHz	Ports & interfaces	
Processor cores	10	Ethernet LAN (RJ-45) ports *	4
Processor cache	25 MB	USB 2.0 ports quantity	2
Memory channels supported by processor	Quad	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	3
Number of processors installed	1	VGA (D-Sub) ports quantity	2
Thermal Design Power (TDP)	90 W	Serial ports quantity	1
Processor cache type	Smart Cache	Expansion slots	
System bus rate	8 GT/s	PCI Express x8 (Gen 3.x) slots	1
Processor socket	LGA 2011-v3	PCI Express slots version	3.0
Processor lithography	14 nm	Design	
Processor threads	20	Chassis type *	Rack (1U)
Processor operating modes	64-bit	Redundant fans support	✓
Stepping	R0	Performance	
Bus type	QPI	Trusted Platform Module (TPM)	✓
Number of QPI links	2	Software	
Processor codename	Broadwell	Operating system installed *	✗
Tcase	76 °C	Compatible operating systems *	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, VMware vSphere
Maximum internal memory supported by processor	1.54 TB	Processor special features	
Memory types supported by processor	DDR4-SDRAM	CPU configuration (max)	2
Memory clock speeds supported by processor	1600,1866,2133 MHz	Enhanced Intel SpeedStep Technology	✓
Memory bandwidth supported by processor (max)	68.3 GB/s	Intel® Identity Protection Technology (Intel® IPT)	✗
ECC supported by processor	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Execute Disable Bit	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Idle States	✓	Intel® Turbo Boost Technology	2.0
Thermal Monitoring Technologies	✓	Intel Flex Memory Access	✗
Maximum number of PCI Express lanes	40	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express configurations	1x4, 1x8, 1x16		
Processor package size	52.5 x 51 mm		
Supported instruction sets	AVX 2.0		
Scalability	2S		
Physical Address Extension (PAE)	✓		

Processor		Processor special features	
Physical Address Extension (PAE)	46 bit	Intel Trusted Execution Technology	✓
Embedded options available	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Processor series	Intel Xeon E5-2600 v4	Intel Demand Based Switching	✓
Conflict-Free processor	✓	Intel® Secure Key	✓
Memory		Intel TSX-NI	✓
Internal memory *	16 GB	Intel® OS Guard	✓
Internal memory type *	DDR4-SDRAM	Intel 64	✓
Memory slots	24	Intel Virtualization Technology (VT-x)	✓
ECC	✓	Processor ARK ID	92984
Memory clock speed	2133 MHz	Power	
Memory layout (slots x size)	1 x 16 GB	Redundant power supply (RPS) support *	✓
Maximum internal memory *	384 GB	Power supply *	750 W
Storage		Number of redundant power supplies supported	2
HDD interface	Serial ATA III, Serial Attached SCSI (SAS)	Number of main power supplies	1
HDD size	2.5"	Weight & dimensions	
Number of HDDs supported	4	Width	429 mm
Supported HDD sizes	2.5"	Depth	734 mm
SSD interface	Serial Attached SCSI (SAS)	Height	43 mm
RAID support *	✓	Weight	13.8 kg
RAID levels	0, 10	Other features	
Hot-swap	✓	Graphics card	G200eR2
Optical drive type *	✗	S.M.A.R.T. support	✓
Graphics		Graphics card family	Matrox
On-board graphics card	✓		
On-board graphics card model	Not available		
Maximum graphics card memory	16 MB		



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