



## Lenovo System x3650 M5 server Rack (2U) Intel® Xeon® E5 v4 E5-2650V4 2.2 GHz 16 GB DDR4-SDRAM 750 W



**Brand :** Lenovo

**Product family:** System

**Product code:** 8871EMG

**Product name :** x3650 M5



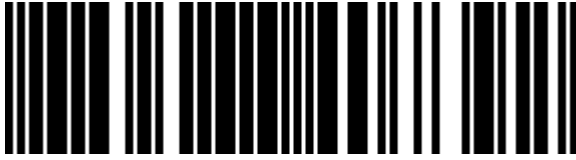
Intel Xeon E5-2650 v4(30M Cache, 2.20 GHz), 16GB DDR4 2400 MHz, M5210, 8x 3.5" HS / 10, 4x GbE, 1x 750W HS / 2, 2U Rack, no/os

Lenovo System x3650 M5. Processor family: Intel® Xeon® E5 v4, Processor frequency: 2.2 GHz, Processor model: E5-2650V4. 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 II, Serial ATA III. Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Power supply: 750 W, Redundant power supply (RPS) support. Chassis type: Rack (2U)



Processor		Storage	
Processor manufacturer *	Intel	RAID support *	✓
Processor family *	Intel® Xeon® E5 v4	RAID levels	0, 1, 10
Processor model *	E5-2650V4	Supported RAID controllers	M5210
Processor frequency *	2.2 GHz	Hot-swap	✓
Processor boost frequency	2.9 GHz	Optical drive type *	✗
Processor cores	12	Internal drive bays	8
Processor cache	30 MB	<b>Network</b>	
Memory channels supported by processor	Quad	Ethernet LAN	✓
Number of processors installed	1	Cabling technology	10/100/1000Base-T(X)
Thermal Design Power (TDP)	105 W	<b>Ports &amp; interfaces</b>	
Processor cache type	Smart Cache	Ethernet LAN (RJ-45) ports *	4
System bus rate	9.6 GT/s	USB 2.0 ports quantity	4
Processor socket	LGA 2011-v3	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2
Processor lithography	14 nm	<b>Expansion slots</b>	
Processor threads	24	PCI Express slots version	3.0
Processor operating modes	64-bit	<b>Design</b>	
Stepping	M0	Chassis type *	Rack (2U)
Bus type	QPI	Rack mounting	✓
Number of QPI links	2	<b>Performance</b>	
Processor codename	Broadwell	Trusted Platform Module (TPM)	✓
Tcase	80 °C	<b>Software</b>	
Maximum internal memory supported by processor	1.54 TB	Operating system installed *	✗
Memory types supported by processor	DDR4-SDRAM	Compatible operating systems *	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server
Memory clock speeds supported by processor	1600,1866,2133,2400 MHz	<b>Processor special features</b>	
Memory bandwidth supported by processor (max)	76.8 GB/s	CPU configuration (max)	2
ECC supported by processor	✓	Enhanced Intel SpeedStep Technology	✓
Execute Disable Bit	✓	Intel® Identity Protection Technology (Intel® IPT)	✗
Idle States	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Thermal Monitoring Technologies	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Maximum number of PCI Express lanes	40	Intel® Turbo Boost Technology	2.0
Processor package size	45 x 52.5 mm	Intel Flex Memory Access	✗
Supported instruction sets	AVX 2.0		
Processor code	SR2N3		
Scalability	2S		
Physical Address Extension (PAE)	✓		
Physical Address Extension (PAE)	46 bit		

Processor		Processor special features	
Embedded options available	✓	Intel® AES New Instructions (Intel® AES-NI)	✓
Graphics & IMC lithography	32 nm	Intel Trusted Execution Technology	✓
CPU multiplier (bus/core ratio)	28	Intel Enhanced Halt State	✓
Processor series	Intel Xeon E5-2600 v4	Intel VT-x with Extended Page Tables (EPT)	✓
Conflict-Free processor	✓	Intel Demand Based Switching	✓
Memory		Intel® Secure Key	✓
Internal memory *	16 GB	Intel TSX-NI	✓
Internal memory type *	DDR4-SDRAM	Intel® OS Guard	✓
ECC	✓	Intel 64	✓
Memory clock speed	2400 MHz	Intel Identity Protection Technology version	0.00
Memory layout (slots x size)	1 x 16 GB	Intel Secure Key Technology version	1.00
Maximum internal memory *	1.5 TB	Intel Virtualization Technology (VT-x)	✓
Storage		Intel TSX-NI version	1.00
HDD interface	Serial ATA II, Serial ATA III	Processor ARK ID	91767
HDD size	2.5"	Power	
Number of HDDs supported	8	Redundant power supply (RPS) support *	✓
SSD interface	Serial Attached SCSI (SAS)	Power supply *	750 W
		Number of redundant power supplies supported	2



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