



# Lenovo System x3650 M5 server Rack (2U) Intel® Xeon® E5 v4 E5-2620V4 2.1 GHz 16 GB DDR4-SDRAM 900 W

**Brand :** Lenovo

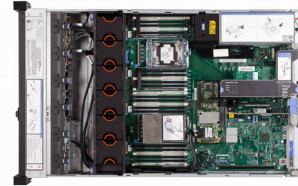
**Product family:** System

**Product code:** 8871KEU

**Product name :** x3650 M5

1x E5-2620 v4 8C 2.1GHz 20MB 2133MHz 85W, 1x 16GB DDR4, RAID M1215, 8x 2.5" HS, 4x GbE, 1x 900W HS

Lenovo System x3650 M5. Processor family: Intel® Xeon® E5 v4, Processor frequency: 2.1 GHz, Processor model: E5-2620V4. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory layout (slots x size): 1 x 16 GB. Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Power supply: 900 W, Redundant power supply (RPS) support. Chassis type: Rack (2U)



Processor		Expansion slots	
Processor manufacturer *	Intel	PCI Express x8 (Gen 3.x) slots	8
Processor family *	Intel® Xeon® E5 v4	PCI Express slots version	3.0
Processor model *	E5-2620V4	<b>Design</b>	
Processor frequency *	2.1 GHz	Chassis type *	Rack (2U)
Processor boost frequency	3 GHz	Rack mounting	✓
Processor cores	8	Redundant fans support	✓
Processor cache	20 MB	Rack rails	✓
Memory channels supported by processor	Quad	<b>Performance</b>	
Number of processors installed	1	Trusted Platform Module (TPM)	✓
Thermal Design Power (TDP)	85 W	On-site support	✓
Processor cache type	Smart Cache	Trusted Platform Module (TPM) version	2.0
System bus rate	8 GT/s	<b>Software</b>	
Processor socket	LGA 2011-v3	Operating system installed *	✗
Processor lithography	14 nm	Compatible operating systems *	Microsoft Windows Server Red Hat Enterprise Linux SUSE Linux Enterprise Server VMware vSphere
Processor threads	16	<b>Processor special features</b>	
Processor operating modes	64-bit	CPU configuration (max)	2
Stepping	R0	Enhanced Intel SpeedStep Technology	✓
Bus type	QPI	Intel® Identity Protection Technology (Intel® IPT)	✗
Number of QPI links	2	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor codename	Broadwell	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Tcase	74 °C	Intel® Turbo Boost Technology	2.0
Maximum internal memory supported by processor	1.54 TB	Intel Flex Memory Access	✗
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)	68.3 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		
Processor package size	45 x 52.5 mm		

<b>Processor</b>		<b>Processor special features</b>	
Supported instruction sets	AVX 2.0	Intel® Secure Key	✓
Processor code	SR2R6	Intel TSX-NI	✓
Scalability	2S	Intel® OS Guard	✓
Physical Address Extension (PAE)	✓	Intel 64	✓
Physical Address Extension (PAE)	46 bit	Intel Identity Protection Technology version	0.00
Embedded options available	✓	Intel Secure Key Technology version	1.00
Processor series	Intel Xeon E5-2600 v4	Intel Virtualization Technology (VT-x)	✓
Conflict-Free processor	✓	Intel TSX-NI version	1.00
<b>Memory</b>		Processor ARK ID	92986
Internal memory *	16 GB	<b>Power</b>	
Internal memory type *	DDR4-SDRAM	Redundant power supply (RPS) support *	✓
Memory slots	24	Power supply *	900 W
Memory layout (slots x size)	1 x 16 GB	<b>Operational conditions</b>	
Maximum internal memory *	1.54 TB	Operating temperature (T-T)	5 - 40 °C
<b>Storage</b>		Storage temperature (T-T)	5 - 45 °C
Maximum storage capacity *	147.6 TB	Operating relative humidity (H-H)	8 - 85%
RAID support *	✓	Storage relative humidity (H-H)	8 - 85%
Hot-Plug support	✓	Operating altitude	0 - 3050 m
Hot-swap	✓	<b>Weight &amp; dimensions</b>	
Optical drive type *	✗	Width	446 mm
Supported storage drive interfaces	SAS, Serial ATA	Depth	800 mm
<b>Graphics</b>		Height	87 mm
On-board graphics card	✓	Weight	19 kg
Maximum graphics card memory	16 MB	<b>Technical details</b>	
<b>Network</b>		Internal I/O Expansion Module x8 Gen 3	3
Ethernet LAN	✓	Number of 2.5" bays	8
Cabling technology	10/100/1000Base-T(X)	Sustainability certificates	ENERGY STAR
Ethernet interface type	Gigabit Ethernet	<b>Other features</b>	
<b>Ports &amp; interfaces</b>		Graphics card	G200eR2
Ethernet LAN (RJ-45) ports *	4	Graphics card family	Matrox
USB 2.0 ports quantity	1	Integrated BMC with IPMI	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2	Integrated LAN	✓
VGA (D-Sub) ports quantity	1		

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 15-JAN-2024. Prints or copies of Information are only valid on the printed Publication date