

Lenovo System x3650 M5 server (8871D4G)

1x E5-2630 v4 10C 2.2GHz 25MB 2133MHz 85W, 1x 16GB DDR4, RAID M5210 1GB (F), 12x 3.5" HS, 4x GbE, 1x 750W HS



Price details:

Price excl. VAT: 3,825.66 €

Eco fees: 0.08 €

VAT 21 %: 803.41 €

Product details:

Product code: 8871D4G

EAN: 0889488413089

Manufacturer: Lenovo

PDF generated on: 12 December, 2017



4,629.15 €

* VAT included

System x3650 M5

- Tackle enterprise workloads with power, efficiency and reliability
- Choose from flexible storage configurations for workload-optimized performance
- Reduce unplanned downtime and minimize costs
- Safeguard enterprise data with built-in System x® Trusted Platform Assurance, plus optional self-encrypting drives and IBM Security Key Lifecycle Manager
- Gain superior performance with Intel Xeon E5-2600 v3 processors (up to 36 cores per server), end-to-end 12 Gbps RAID support-devices and infrastructure-up to four RAID adapters, and up to two 300 W GPUs
- Run up to 131 percent greater java workload performance, up to 61 percent greater virtualization performance, and up to 59 percent greater database performance per system than the previous generation
- Reduce data center costs with smart energy-efficient features, including unique 40°C operating temperature, 80 PLUS® Titanium power supplies (up to 96 percent efficiency), active/standby power supply modes, dual fan zone design, and TruDDR4 Memory (up to 45 percent lower energy use over DDR3)
- Run more virtual machines and workloads with up to 50 percent more cores and cache and 2x more memory capacity per system than previous generation

With the powerful, versatile new 2U two-socket System x3650 M5 rack server, you can run even more workloads, 24/7, and gain faster business insights. Integrated with up to two Intel E5-2600 v3 series CPUs and industry-leading two-socket storage capacity, the x3650 M5 fast forwards your business. You can select from an impressive array of storage configurations (up to 26 drive bays) that optimize diverse workloads from Cloud to Big Data.

Main specifications:

Processor

Processor frequency:	2.2 GHz
Processor family:	Intel Xeon E5 v4
Processor model:	E5-2630V4
Processor cores:	10
Number of processors installed:	1
Processor cache type:	Smart Cache
Processor cache:	25 MB
System bus rate:	8 GT/s
Processor socket:	LGA 2011-v3
Processor boost frequency:	3.1 GHz
Processor lithography:	14 nm
Processor threads:	20
Processor operating modes:	64-bit
Stepping:	R0
Bus type:	QPI
Number of QPI links:	2

Processor codename:	Broadwell
Tcase:	74 °C
Maximum internal memory supported by processor:	1536 GB
Memory types supported by processor:	DDR4-SDRAM
Memory clock speeds supported by processor:	1600,1866,2133 MHz
Memory bandwidth supported by processor (max):	60.3 GB/s
Memory channels supported by processor:	Quad
ECC supported by processor:	Y
Execute Disable Bit:	Y
Idle States:	Y
Thermal Monitoring Technologies:	Y
Maximum number of PCI Express lanes:	40
Processor package size:	52.5 x 51 mm
Supported instruction sets:	AVX 2.0
Processor code:	SR2R7
Scalability:	2S
Physical Address Extension (PAE):	Y
Physical Address Extension (PAE):	46 bit
Embedded options available:	N
Thermal Design Power (TDP):	85 W
Conflict Free processor:	Y

Memory

Internal memory:	16 GB
Internal memory type:	DDR4-SDRAM
Maximum internal memory:	1536 GB
Memory slots:	24
Memory layout (slots x size):	1 x 16 GB

Storage

RAID support:	Y
Maximum storage capacity:	147.6 TB
Hot-Plug support:	Y
Hot-swap:	Y
Supported storage drive interfaces:	SAS,Serial ATA

Graphics

Maximum graphics adapter memory:	16 MB
On-board graphics adapter:	Y

Networking

Ethernet LAN:	Y
Cabling technology:	10/100/1000Base-T(X)
Ethernet interface type:	Gigabit Ethernet

Ports & interfaces

USB 2.0 ports quantity:	4
VGA (D-Sub) ports quantity:	1
Ethernet LAN (RJ-45) ports:	4
USB 3.0 (3.1 Gen 1) Type-A ports quantity:	3

Expansion slots

PCI Express x8 (Gen 3.x) slots:	8
PCI Express slots version:	3.0

Design

Chassis type:	Rack (2U)
Optical drive type:	N
Rack mounting:	Y
Redundant fans support:	Y
Rack rails:	Y

Performance

Operating system installed:	N
Compatible operating systems:	Microsoft Windows Server Red Hat Enterprise LinuxSUSE Linux Enterprise ServerVMware vSphere
Trusted Platform Module (TPM):	Y
On-site support:	Y
Trusted Platform Module (TPM) version:	2.0
Integrated BMC with IPMI:	Y

Processor special features

CPU configuration (max):	2
Enhanced Intel SpeedStep Technology:	Y
Intel® Identity Protection Technology (Intel® IPT):	Y
Intel Virtualization Technology for Directed I/O (VT-d):	Y
Intel® Hyper Threading Technology (Intel® HTT):	Y
Intel® Turbo Boost Technology:	2.0
Intel Flex Memory Access:	N
Intel® AES New Instructions (Intel® AES-NI):	Y
Intel Trusted Execution Technology:	Y
Intel Enhanced Halt State:	Y
Intel VT-x with Extended Page Tables (EPT):	Y
Intel Demand Based Switching:	Y
Intel® Secure Key:	Y
Intel TSX-NI:	Y
Intel® OS Guard:	Y
Intel 64:	Y
Intel Virtualization Technology (VT-x):	Y
Processor ARK ID:	92981

Power

Redundant power supply (RPS) support:	Y
Power supply:	750 W

Operational conditions

Operating temperature (T-T):	5 - 40 °C
Storage temperature (T-T):	5 - 45 °C
Operating relative humidity (H-H):	8 - 85 %
Storage relative humidity (H-H):	8 - 85 %
Operating altitude:	0 - 3050 m

Certificates

Energy Star certified:	Y
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Weight & dimensions

Width:	446 mm
Depth:	800 mm
Height:	87 mm
Weight:	19000 g

Technical details

Internal I/O Expansion Module x8 Gen 3:	3
Integrated LAN:	Y
Number of 3.5" bays:	12

Other features

Graphics adapter:	G200eR2
Graphics adapter family:	Matrox