

# Lenovo Flex System x240 M5 server (9532D4G)

Xeon 8C E5-2640v3 90W 2.6GHz/1866MHz/20MB, 1x16GB, O/Bay 2.5in SAS



## Price details:

Price excl. VAT: 3,235.42 €

Eco fees: 0.08 €

VAT 21 %: 679.46 €

## Product details:

Product code: 9532D4G

EAN: 5051045216951

Manufacturer: Lenovo

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**3,914.96 €**

\* VAT included

- Reduce operating costs with new energy-efficient Intel Xeon E5-2600v3 processors and 50 percent more cores and cache than the previous generation
- Industry-leading two-socket memory capacity, featuring TruDDR4 memory with up to 1.5 TB allowing for more VDI users or VMs per node
- Deploy new power for virtualization, performance and industry-leading networking flexibility
- Ideal platform for those migrating from BladeCenter® HS23 and competitive blade systems

As organizations face continued pressure to consolidate data center infrastructure, they also wrestle with the need to handle more compute-intensive workloads which are analyzing more data faster than ever before. With all these challenges to meet, there's never been a better time to choose the Flex System x240 M5 Compute Node to work within your Flex System or PureFlex environment.

- Optimized for virtualization, performance and highly scalable I/O
- Designed for simplified deployment and management
- Management of all resources from a single interface with FlexSystem Manager
- Virtual networking with integrated virtual fabric and up to 32 virtual networking ports

## Hardware summary

- TruDDR4 Memory capacity up to 1.5 TB\*
- Intel Xeon processor E5-2600 v3 product family
- Automated power management with onboard sensors
- Two 2.5-inch hot-swap disk slots
- Integrated system management
- Integrated RAID-0, -1
- Optional hypervisor
- 2 x Mezzanine Cards (x16 + x8 PCI Express 3.0)

## Main specifications:

### Processor

Processor frequency:	2.6 GHz
Processor family:	Intel Xeon E5 v3
Processor model:	E5-2640V3
Processor cores:	8
Number of processors installed:	1
Processor cache type:	Smart Cache
Processor cache:	20 MB
System bus rate:	8 GT/s
Processor manufacturer:	Intel
Maximum number of SMP processors:	2
Processor socket:	LGA 2011 (Socket R)
Processor boost frequency:	3.40 GHz

Processor lithography:	22 nm
Processor threads:	16
Processor operating modes:	64-bit
Stepping:	R2
FSB Parity:	N
Bus type:	QPI
Number of QPI links:	2
Processor codename:	Haswell
Tcase:	74.3 °C
Maximum internal memory supported by processor:	66 GB
Memory types supported by processor:	DDR4-SDRAM
Memory clock speeds supported by processor:	1600,1866 MHz
Memory bandwidth supported by processor (max):	59 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
PCI Express configurations:	x4, x8, x16
Processor package size:	52.5 mm
Supported instruction sets:	AVX
Processor code:	SR205
Scalability:	2S
Physical Address Extension (PAE):	Y
Physical Address Extension (PAE):	46 bit
Embedded options available:	Y
Thermal Design Power (TDP):	90 W
Processor series:	Intel Xeon E5-2600 v3
Conflict Free processor:	N

#### Memory

Internal memory:	16 GB
Maximum internal memory:	1536 GB
Memory slots:	24x DIMM
Memory clock speed:	1866 MHz
Memory layout (slots x size):	1 x 16 GB

#### Storage

Hard drive size:	2.5 "
Hard drive interface:	Serial ATA,Serial Attached SCSI (SAS)
RAID support:	Y
Maximum storage capacity:	4 TB
RAID levels:	0,1
Solid-state drive interface:	Serial ATA,Serial Attached SCSI

#### Networking

Ethernet LAN:	Y
Ethernet interface type:	10 Gigabit

#### Ports & interfaces

Ethernet LAN (RJ-45) ports:	2
Serial ports quantity:	1
USB 3.0 (3.1 Gen 1) Type-A ports quantity:	1

#### Expansion slots

PCI Express x16 (Gen 3.x) slots:	1
PCI Express slots version:	3.0

#### Design

Chassis type:	Rack
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#### Performance

Operating system installed:	N
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#### Processor special features

CPU configuration (max):	2
Intel Rapid Storage Technology:	N
Enhanced Intel SpeedStep Technology:	Y
Intel® Identity Protection Technology (Intel® IPT):	N
Intel® Wireless Display (Intel® WiDi):	N

Intel Virtualization Technology for Directed I/O (VT-d):	Y
Intel® Anti-Theft Technology (Intel® AT):	N
Intel® Hyper Threading Technology (Intel® HT Technology):	Y
Intel® My WiFi Technology (Intel® MWT):	N
Intel® Turbo Boost Technology:	2.0
Intel® vPro® Technology:	Y
Intel® Quick Sync Video Technology:	N
Intel® InTru® 3D Technology:	N
Intel® Clear Video HD Technology (Intel® CVT HD):	N
Intel® Insider®:	N
Intel Flex Memory Access:	N
Intel® Smart Cache:	Y
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:	N
Intel® OS Guard:	Y
Intel Clear Video Technology:	N
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID):	Y
Intel 64:	Y
Intel Identity Protection Technology version:	0.00
Intel Secure Key Technology version:	1.00
Intel Virtualization Technology (VT-x):	Y
Intel TSX-NI version:	0.00
Intel Dual Display Capable Technology:	N
Intel FDI Technology:	N
Intel Fast Memory Access:	N
Processor ARK ID:	83359

#### Weight & dimensions

Width:	215 mm
Depth:	493 mm
Height:	51 mm

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