

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: 0.07 €

VAT 21 %: 679.45 €

Product details:

Product code: 9532D4G

EAN: 5051045216951

Manufacturer: Lenovo

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3,914.94 €

* 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

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|------------------------------|---------------------------------------|
| 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

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|---------------|------|
| Chassis type: | Rack |
|---------------|------|

Performance

| | |
|-----------------------------|---|
| Operating system installed: | N |
|-----------------------------|---|

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

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

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