

Lenovo Flex System x240 server (873764G)

Xeon 10C E5-2670v2 115W 2.5GHz/1866MHZ/25MB, 8GB, O/Bay 2.5in SAS



Price details:

Price excl. VAT: 3,858.45 €

Eco fees: 0.07 €

VAT 21 %: 810.29 €

Product details:

Product code: 873764G

EAN: 5051045172295

Manufacturer: Lenovo

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4,668.81 €

* VAT included

- Optimized for virtualization, performance and highly scalable networking
- Embedded Virtual Fabric allows breakthrough I/O flexibility
- Designed for simplified deployment and management

Get the most

The Lenovo® Flex System x240 Compute Node delivers powerful performance with Intel® Xeon® processors-up to a 50 percent performance boost over previous generation servers.¹ This enables businesses to get more out of their compute environment. Features such as automated power management with onboard sensors give you more control over power and thermal levels across the system. These capabilities, combined with memory capacity up to 768 GB, help you get the most out of your compute environment.

Product features

- Optimized for virtualization, performance and highly scalable I/O
- Designed for simplified deployment and management
- Lenovo® XClarity delivers a centralized systems management solution that helps administrators deliver infrastructure faster and with less effort
- Virtual networking with integrated virtual fabric and up to 32 virtual networking ports

Main specifications:

Processor

| | |
|-----------------------------------|---------------------|
| Processor frequency: | 2.5 GHz |
| Processor family: | Intel Xeon E5 v2 |
| Processor model: | E5-2670V2 |
| Processor cores: | 10 |
| Number of processors installed: | 1 |
| Processor cache type: | Smart Cache |
| Processor cache: | 25 MB |
| System bus rate: | 8 GT/s |
| Processor manufacturer: | Intel |
| Maximum number of SMP processors: | 2 |
| Processor socket: | LGA 2011 (Socket R) |
| Motherboard chipset: | Intel C600 |
| Processor boost frequency: | 3.3 GHz |
| Processor lithography: | 22 nm |
| Processor threads: | 20 |
| Processor operating modes: | 64-bit |
| FSB Parity: | N |
| Bus type: | QPI |

| | |
|---|-----------------------------|
| Number of QPI links: | 2 |
| Processor codename: | Ivy Bridge EP |
| Tcase: | 82 °C |
| Maximum internal memory supported by processor: | 768 GB |
| Memory types supported by processor: | DDR3-SDRAM |
| Memory clock speeds supported by processor: | 800,1066,1333,1600,1866 MHz |
| Memory bandwidth supported by processor (max): | 59.7 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 |
| Scalability: | 2S |
| Physical Address Extension (PAE): | 46 bit |
| Embedded options available: | N |
| Thermal Design Power (TDP): | 115 W |
| Processor series: | Intel Xeon E5-2600 v2 |
| Conflict Free processor: | N |

Memory

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|--------------------------|----------|
| Internal memory: | 8 GB |
| Maximum internal memory: | 768 GB |
| Memory slots: | 24x DIMM |
| Memory clock speed: | 1866 MHz |

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: | 6.4 TB |
| RAID levels: | 0,1 |
| Hot-swap: | Y |

Graphics

| | |
|----------------------------------|-------|
| Maximum graphics adapter memory: | 16 MB |
|----------------------------------|-------|

Networking

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|---------------|---|
| Ethernet LAN: | N |
|---------------|---|

Ports & interfaces

| | |
|-------------------------|---|
| USB 2.0 ports quantity: | 1 |
|-------------------------|---|

Expansion slots

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

Performance

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|-------------------------------|--|
| Operating system installed: | N |
| Compatible operating systems: | Microsoft Windows Server 2008 R2, Red Hat Enterprise Linux 5 and 6, SUSE Linux Enterprise Server 10 and 11, VMware ESX 4 |

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® HTT): | 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): | N |
| Intel® Insider® Technology: | N |

| | |
|--|-------|
| 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 Clear Video Technology: | N |
| Intel® Clear Video Technology for Mobile Internet Net Devices (Intel CVT for MID): | N |
| 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: | 75275 |

Operational conditions

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|------------------------------------|-------------|
| Operating temperature (T-T): | 5 - 40 °C |
| Storage temperature (T-T): | 1 - 60 °C |
| Operating relative humidity (H-H): | 8 - 85 % |
| Storage relative humidity (H-H): | 5 - 80 % |
| Operating altitude: | 0 - 3048 m |
| Non-operating altitude: | 0 - 10700 m |

Weight & dimensions

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|---------|--------|
| Width: | 217 mm |
| Depth: | 492 mm |
| Height: | 56 mm |

Packaging data

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|-----------------|--------|
| Package width: | 430 mm |
| Package depth: | 603 mm |
| Package height: | 197 mm |
| Package weight: | 8000 g |

Other features

| | |
|--------------------------|---------|
| Graphics adapter: | G200eR2 |
| Graphics adapter family: | Matrox |

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