

# Lenovo Flex System x240 server (873734G)

Xeon 8C E5-2640v2 95W 2.0GHz/1600MHz/20MB, 8GB, O/Bay 2.5in SAS



## Price details:

Price excl. VAT: 2,772.34 €

Eco fees: 0.08 €

VAT 21 %: 582.21 €

## Product details:

Product code: 873734G

EAN: 5051045168380

Manufacturer: Lenovo

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**3,354.63 €**

\* 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.<sup>1</sup> 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 GHz
Processor family:	Intel Xeon E5
Processor model:	E5-2640V2
Processor cores:	8
Number of processors installed:	1
Processor cache type:	Smart Cache
Processor cache:	20 MB
System bus rate:	7.2 GT/s
Processor manufacturer:	Intel
Maximum number of SMP processors:	2
Processor socket:	LGA 2011 (Socket R)
Motherboard chipset:	Intel C600
Processor boost frequency:	2.5 GHz
Processor lithography:	22 nm
Processor threads:	16
Processor operating modes:	64-bit
FSB Parity:	N
Bus type:	QPI

Number of QPI links:	2
Processor codename:	Ivy Bridge EP
Tcase:	75 °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 MHz
Memory bandwidth supported by processor (max):	51.2 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:	Y
Thermal Design Power (TDP):	95 W
Processor series:	Intel Xeon E5-2600 v2
Conflict Free processor:	N

#### Memory

Internal memory:	8 GB
Maximum internal memory:	768 GB
Memory slots:	24x DIMM
Memory clock speed:	1600 MHz

#### Storage

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
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#### Networking

Ethernet LAN:	N
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#### Ports & interfaces

USB 2.0 ports quantity:	1
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#### Expansion slots

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

#### Performance

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® 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® 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:	75267

#### Operational conditions

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

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

#### Packaging data

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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