

## Lenovo System x3100 M4 server (2582ZEE)

Intel Xeon E3-1220 v2 (8M Cache, 3.10 GHz), 8GB DDR3 1600MHz, 2x 500GB HDD  
7200rpm, Gigabit Ethernet



### Price details:

Price excl. VAT: 1,434.33 €  
Eco fees: 0.07 €  
VAT 21 %: 301.22 €

### Product details:

Product code: 2582ZEE  
EAN: 5051045168038  
Manufacturer: Lenovo

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**1,735.62 €**

\* VAT included

### Highlights.

- Delivers robust performance at a competitive entry-server price
- Offers flexibility in an optimized compact design
- Combines reliability and simple installation with innovative management technology

### Robust performance at an entry-level price.

With support for next-generation Intel Xeon and Core i3 processor technology, the IBM System x3100 M4 delivers strong performance for the price in a single-socket tower. Advanced features and functions, which come standard, include innovative integrated RAID capability, dependable server-class memory, energy efficiency, low-cost tower-to-rack kit and high-capacity storage options for enhanced availability.

### Ultra-small, flexible design

Extremely compact, the x3100 M4 fits easily in small spaces. Flexible, configure-to-order capabilities can provide the capacity and features you need, with multiple upgrade options to help meet future growth.

### Product features

- Generous server-class memory offers greater performance per price point.
- Support for up to four high-capacity, low-cost Serial ATA hard drives optimizes implementation flexibility.
- Three PCIe Gen 2 slots and a PCI Gen 3-ready slot offer ample I/O speed and an easy upgrade path.
- Integrated Management Module and full IBM toolbox simplify systems management.
- Embedded RAID support and optional advanced RAID upgrade facilitates enhanced availability and protection.
- Dual integrated Gigabit Ethernet offers greater network bandwidth.

### Main specifications:

#### Processor

Processor frequency:	3.1 GHz
Processor family:	Intel Xeon E3 v2
Processor model:	E3-1220V2
Processor cores:	4
Number of processors installed:	1
Processor cache type:	Smart Cache
Processor cache:	8 MB
System bus rate:	5 GT/s
Processor manufacturer:	Intel
Processor socket:	LGA 1155 (Socket H2)
Processor boost frequency:	3.5 GHz
Processor lithography:	22 nm
Processor threads:	4
Processor operating modes:	64-bit

Stepping:	E1
FSB Parity:	N
Bus type:	DMI
Processor codename:	Ivy Bridge
Tcase:	69.1 °C
Maximum internal memory supported by processor:	32 GB
Memory types supported by processor:	DDR3-SDRAM
Memory clock speeds supported by processor:	1333,1600 MHz
Memory bandwidth supported by processor (max):	25.6 GB/s
Memory channels supported by processor:	Dual
ECC supported by processor:	Y
Execute Disable Bit:	Y
Idle States:	Y
Thermal Monitoring Technologies:	Y
Maximum number of PCI Express lanes:	2
PCI Express configurations:	1x16+1x4,1x8+3x4,2x8+1x4
Processor package size:	37.5 mm
Supported instruction sets:	AVX,SSE4.1,SSE4.2
Processor code:	SR0PH
Embedded options available:	N
Thermal Design Power (TDP):	69 W
CPU multiplier (bus/core ratio):	31
Processor series:	Intel Xeon E3-1200 v2
Conflict Free processor:	N

#### Memory

Internal memory:	8 GB
Internal memory type:	DDR3-SDRAM
Maximum internal memory:	32 GB
Memory slots:	4x DIMM
Memory clock speed:	1600 MHz
ECC:	Y
Memory layout (slots x size):	2 x 4 GB

#### Storage

Total storage capacity:	1000 GB
Number of hard drives installed:	2
Hard drive size:	2.5 "
Hard drive interface:	Serial ATA
RAID support:	Y
Maximum storage capacity:	16 TB
Hard drive speed:	7200 RPM
Hard drive capacity:	500 GB
RAID levels:	0,1
Number of hard drives supported:	4
Supported hard disk drive sizes:	2.5 "
Hot-swap:	N
Supported storage drive interfaces:	SAS,Serial ATA

#### Graphics

Maximum graphics adapter memory:	16 MB
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#### Networking

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

#### Ports & interfaces

USB 2.0 ports quantity:	6
VGA (D-Sub) ports quantity:	1
Ethernet LAN (RJ-45) ports:	2
Serial ports quantity:	1
Number of slots:	4

#### Expansion slots

PCI Express x1 slots:	1
PCI Express x4 slots:	1
PCI Express x8 slots:	1

PCI Express x16 slots:	1
PCI Express slots version:	3.0
<b>Design</b>	
Chassis type:	Tower (4U)
<b>Performance</b>	
Operating system installed:	N
Compatible operating systems:	Windows Server 2008/Server 2008 R2Red Hat LinuxSUSE Linux
Trusted Platform Module (TPM):	Y
Trusted Platform Module (TPM) version:	1.2
<b>Processor special features</b>	
CPU configuration (max):	1
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):	N
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:	Y
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 Clear Video Technology:	N
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID):	N
Intel 64:	Y
Intel Identity Protection 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:	Y
Processor ARK ID:	65734
<b>Power</b>	
Redundant power supply (RPS) support:	N
Number of power supply units:	1
Number of main power supplies:	1
<b>Certificates</b>	
Compliance industry standards:	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
<b>Weight &amp; dimensions</b>	
Weight:	17300 g
<b>Other features</b>	
Mac compatibility:	N

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