



Lenovo System 3550 M5 server (5463N2G)

Intel Xeon E5-2697v3 (35M Cache, 2.6 GHz), 16GB DDR4 SDRAM, O/Bay HS 2.5"
SATA/SAS, Gigabit Ethernet, SR M5210, 750W, Rack 1U

Price details:

Price excl. VAT: 6,180.18 €

Eco fees: 0.00 €

VAT 21 %: 1,297.84 €

Product details:

Product code: 5463N2G

EAN: 0889488410484

Manufacturer: Lenovo

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7,478.02 €

* VAT included

- Optimize your workloads with choice of flexible storage-based configurations, designed for infrastructure basics to business-critical applications
- Reduce unplanned downtime and minimize costs with industry-leading reliability features and tools
- Safeguard enterprise data with built-in System x Trusted Platform Assurance, an exclusive set of security features and practices, plus optional self-encrypting drives and IBM Security Key Lifecycle Manager
- Gain superior performance with Intel® Xeon® E5-2600 v3 processors (up to 36 cores per server), end-to-end 12 Gbps RAID support-devices and infrastructure
- Run up to 131 percent greater java workload performance, up to 61 percent greater virtualization performance, and up to 59 percent greater database performance per system than the previous generation
- Reduce data center costs with smart energy-efficient features, including unique 40° C operating temperature, Titanium power supplies (up to 96 percent efficiency), active/standby power supply modes, dual fan zone design, and TruDDR4 Memory (with up to 45 percent lower energy use over DDR3)
- Run more virtual machines and workloads with up to 50 percent more cores and cache and 2x more memory capacity than previous generation
- Simplify server management and administration with Lenovo XClarity

The versatile 1U dual-socket Lenovo System x3550 M5 rack server fuels almost any workload from infrastructure to big data with leading security, efficiency, and reliability. Integrated with up to two Intel® Xeon® processors E5-2600 v3 series, faster, energy-efficient TruDDR4 memory, and up to 12 drives of storage, the x3550 M5 delivers exceptional performance.

Workload-Tuned Performance.

The x3550 M5 incorporates energy smart features for minimized costs and efficient performance. Dual fan zones support operation in up to 40° C environments. The 80 PLUS® Titanium power supply units deliver 96-percent efficiency at 50-percent load. With twice the memory and 50 percent more cores and cache per system than the previous generation, the x3550 M5 lets your workloads fly.

Main specifications:

Processor

Processor frequency:	2.6 GHz
Processor family:	Intel Xeon E5 v3
Processor model:	E5-2697V3
Processor cores:	14
Number of processors installed:	1
Processor cache type:	Smart Cache
Processor cache:	35 MB
System bus rate:	9.6 GT/s
Processor manufacturer:	Intel

Maximum number of SMP processors:	2
Compatible processor series:	Xeon
Processor socket:	LGA 2011-v3
Processor boost frequency:	3.6 GHz
Processor lithography:	22 nm
Processor threads:	28
Processor operating modes:	64-bit
Stepping:	C1
FSB Parity:	N
Bus type:	QPI
Number of QPI links:	2
Processor codename:	Haswell
Tcase:	76.7 °C
Maximum internal memory supported by processor:	16 GB
Memory types supported by processor:	DDR4-SDRAM
Memory clock speeds supported by processor:	1600,1866,2133 MHz
Memory bandwidth supported by processor (max):	69 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 2.0
Scalability:	2S
Physical Address Extension (PAE):	46 bit
Embedded options available:	N
Thermal Design Power (TDP):	145 W
Processor series:	Intel Xeon E5-2600 v3
Conflict Free processor:	N

Memory

Internal memory:	16 GB
Internal memory type:	DDR4-SDRAM
Maximum internal memory:	1500 GB
Memory clock speed:	2133 MHz
ECC:	Y

Storage

Hard drive size:	2.5 "
Hard drive interface:	Serial ATA III,Serial Attached SCSI (SAS)
RAID support:	Y
Maximum storage capacity:	46 TB
RAID levels:	0,1,10
Supported hard disk drive sizes:	2.5,3.5 "
Hot-swap:	Y

Graphics

Maximum graphics adapter memory:	16 MB
On-board graphics adapter:	Y

Networking

Ethernet LAN:	Y
LAN controller:	Broadcom BCM5719
Cabling technology:	10/100/1000Base-T(X)
Ethernet interface type:	Gigabit Ethernet

Ports & interfaces

USB 2.0 ports quantity:	4
VGA (D-Sub) ports quantity:	1
Ethernet LAN (RJ-45) ports:	4
Serial ports quantity:	1
USB 3.0 (3.1 Gen 1) Type-A ports quantity:	3

Expansion slots

PCI Express x8 slots:	1
PCI Express x16 slots:	3
PCI Express slots version:	3.0

Design

Chassis type:	Rack (1U)
Optical drive type:	N
Rack mounting:	Y
Redundant fans support:	Y
Rack rails:	Y

Performance

Operating system installed:	N
Compatible operating systems:	Microsoft Windows ServerRed Hat Enterprise LinuxSUSE Linux Enterprise ServerVMware vSpher
BIOS type:	UEFI
Trusted Platform Module (TPM):	Y
Trusted Platform Module (TPM) version:	2.0

Processor special features

Intelligent Platform Management Interface (IPMI) support:	
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® HTTechnology):	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®:	N
Intel Flex Memory Access:	N
Intel® Smart Cache:	Y
Intel® AES New Instructions (Intel® AES-NI):	Y
Intel Trusted Execution Technology:	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):	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:	81059

Power

Redundant power supply (RPS) support:	Y
Power supply:	750 W
Number of redundant power supplies supported:	2
Number of redundant power supplies installed:	1
Number of main power supplies:	2

Operational conditions

Operating temperature (T-T):	5 - 40 °C
Storage temperature (T-T):	5 - 45 °C
Operating relative humidity (H-H):	8 - 85 %
Storage relative humidity (H-H):	8 - 85 %
Operating altitude:	0 - 3050 m

Weight & dimensions

Width:	429 mm
Depth:	734 mm
Height:	43 mm

Weight: 13800 g

Other features

Graphics adapter: G200eR2

Graphics adapter family: Matrox

Intel® Virtualization Technology (Intel® VT): VT-d,VT-x