

Lenovo System x3550 M5 server (5463L2G)

Xeon 12C E5-2690v3 135W 2.6GHz/2133MHz/30MB, 1x16GB, O/Bay HS 2.5in
SATA/SAS, SR M5210, 750W p/s, Rack



Price details:

Price excl. VAT: 4,820.33 €

Eco fees: 0.08 €

VAT 21 %: 1,012.29 €

Product details:

Product code: 5463L2G

EAN: 4053162530683

Manufacturer: Lenovo

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5,832.70 €

* 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,1 up to 61 percent greater virtualization performance,2 and up to 59 percent greater database performance3 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)4
- Run more virtual machines and workloads with up to 50 percent more cores and cache and 2x more memory capacity than previous generation

Designed in a compact, versatile 1U two-socket rack server, the System x3550 M5 rack server fuels almost any workload from infrastructure to high performance computing to Cloud or Big Data with leadership security, efficiency, and reliability. Integrated with up to two Intel E5-2600 v3 series CPUs with faster, energy-efficient TruDDR4 Memory, the x3550 M5 delivers exceptional performance. Storage can include up to 12 drives in an impressive selection of sizes and types.

Smart design adds flexibility for 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. Available 80 PLUS® Titanium power supply units (PSUs) can deliver 96 percent efficiency at 50 percent load. With twice the memory, up to 131 percent greater performance,1 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: | E5-2690V3 |
| Processor cores: | 12 |
| Number of processors installed: | 1 |
| Processor cache type: | Smart Cache |
| Processor cache: | 30 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: | 3.5 GHz |
| Processor lithography: | 22 nm |
| Processor threads: | 24 |
| Processor operating modes: | 64-bit |
| FSB Parity: | N |
| Bus type: | QPI |
| Number of QPI links: | 2 |
| Processor codename: | Haswell |
| Tcase: | 89.9 °C |
| Maximum internal memory supported by processor: | 768 GB |
| Memory types supported by processor: | DDR4-SDRAM |
| Memory clock speeds supported by processor: | 1600,1866,2133 MHz |
| Memory bandwidth supported by processor (max): | 68 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): | 135 W |
| Processor series: | Intel Xeon E5-2600 v3 |
| Conflict Free processor: | N |

Memory

| | |
|-------------------------------|------------|
| Internal memory: | 16 GB |
| Internal memory type: | DDR3-SDRAM |
| Maximum internal memory: | 1500 GB |
| Memory slots: | 24 |
| Memory clock speed: | 2133 MHz |
| ECC: | Y |
| Memory layout (slots x size): | 1 x 16 GB |

Storage

| | |
|------------------------------|---|
| Hard drive size: | 2.5/3.5 " |
| Hard drive interface: | Serial ATA III,Serial Attached SCSI (SAS) |
| RAID support: | Y |
| RAID levels: | 0,1,5,10,50,60 |
| S.M.A.R.T. support: | Y |
| Solid-state drive interface: | Serial ATA III,Serial Attached SCSI |
| Hot-swap: | Y |

Networking

| | |
|--------------------------|--------------------------------|
| Ethernet LAN: | Y |
| Cabling technology: | 10/100/1000Base-T(X) |
| Ethernet interface type: | Fast Ethernet,Gigabit Ethernet |

Ports & interfaces

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|-----------------------------|---|
| Ethernet LAN (RJ-45) ports: | 4 |
|-----------------------------|---|

Expansion slots

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|----------------------------|-----|
| PCI Express slots version: | 3.0 |
|----------------------------|-----|

Design

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|-------------------------|-----------|
| Chassis type: | Rack (1U) |
| Optical drive type: | N |
| Redundant fans support: | Y |

Performance

| | |
|--------------------------------|--|
| Operating system installed: | N |
| Compatible operating systems: | Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, VMware vSphere |
| Trusted Platform Module (TPM): | Y |

Processor special features

| | |
|--|-------|
| CPU configuration (max): | 2 |
| Intel Rapid Storage Technology: | N |
| Enhanced Intel SpeedStep Technology: | Y |
| Intel® Identity Protection Technology (Intel® IPT): | Y |
| 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: | Y |
| Intel® vPro® Technology: | Y |
| Intel® Quick Sync Video Technology: | N |
| Intel® InTru® 3D Technology: | N |
| Intel® Clear Video HD Technology (Intel® CVT HD): | Y |
| 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 Net 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: | 81713 |

Power

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|---------------------------------------|-------|
| Redundant power supply (RPS) support: | Y |
| Power supply: | 750 W |
| Number of main power supplies: | 1 |

Weight & dimensions

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

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