

Lenovo System 3850 X6 server (6241F2G)

2x Intel Xeon 10C E7-4820v3 (1.9GHz/2133MHz/25MB), 4x16GB, O/Bay HS 2.5"
SAS/SATA, SR M5210, 2x900W



Price details:

Price excl. VAT: 12,865.16 €

Eco fees: 0.07 €

VAT 21 %: 2,701.70 €

Product details:

Product code: 6241F2G

EAN:

Manufacturer: Lenovo

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15,566.93 €

* VAT included

Outstanding Compute Performance

- Maximum memory availability
- Superior storage performance & capacity
- Seamless scalability to meet increased demands
- Multiple generations of technology integrate in the same chassis
- Advanced self-healing RAS features

Highlights

- Fast application performance means immediate access to actionable information
- Agile system design provides the ability to upgrade processor and memory technology to the next generation, reducing acquisition costs significantly
- Resilient platforms maximize application uptime and promote easy integration in virtual environments

Better results

As businesses continue to expand into mobile and cloud arenas, mission-critical applications-and data center infrastructure-must do more. Superior IT solutions must easily scale-up for better performance, manage large masses of data, and make that crucial actionable insight available in real-time. It's a given that the volume of data you manage continues to grow, yet you remain constrained by a finite set of capital and operational resources. The Lenovo System x3850 X6, based on the sixth generation of Enterprise X-Architecture technology, helps you efficiently deliver better, more timely business results.

X6 platforms, with Intel® Xeon® processors E7-4800/8800 v3 series, can produce up to 56 percent faster compute performance than the last -generation of X6 systems with last-generation processors. The X6 portfolio delivers large application virtualization and decreases infrastructure costs and complexity. Now you can design faster analytics engines, rein in IT sprawl and deliver information with high reliability. X6 servers are fast, agile and resilient.

Main specifications:

Processor

Processor frequency:	1.9 GHz
Processor family:	Intel Xeon E7 v3
Processor model:	E7-4820V3
Processor cores:	10
Number of processors installed:	2
Processor cache type:	Last Level Cache
Processor cache:	25 MB
System bus rate:	6.4 GT/s

Processor manufacturer:	Intel
Maximum number of SMP processors:	4
Processor socket:	LGA 2011 (Socket R)
Supported processor sockets:	LGA 2011 (Socket R)
Processor lithography:	22 nm
Processor threads:	20
Processor operating modes:	64-bit
Stepping:	E0
FSB Parity:	N
Bus type:	QPI
Number of QPI links:	3
Processor codename:	Haswell
Tcase:	70 °C
Maximum internal memory supported by processor:	1536 GB
Memory types supported by processor:	DDR4-SDRAM,DDR3-SDRAM
Memory clock speeds supported by processor:	1333,1600,1866,1066 MHz
Memory bandwidth supported by processor (max):	102 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:	32
PCI Express configurations:	x4, x8, x16
Processor package size:	52 mm
Supported instruction sets:	AVX 2.0
Processor code:	SR224
Scalability:	S4S
Physical Address Extension (PAE):	Y
Physical Address Extension (PAE):	46 bit
Embedded options available:	N
Thermal Design Power (TDP):	115 W
Processor series:	Intel Xeon E7-4800 v3
Conflict Free processor:	Y

Memory

Internal memory:	64 GB
Internal memory type:	DDR3-SDRAM
Maximum internal memory:	6144 GB
Memory slots:	96
Memory clock speed:	1600 MHz
ECC:	Y
Memory layout (slots x size):	4 x 16 GB

Storage

Hard drive size:	2.5 "
Hard drive interface:	Serial ATA,Serial Attached SCSI (SAS)
RAID support:	Y
Maximum storage capacity:	12.8 TB
RAID levels:	1,10
Number of hard drives supported:	8
Hot-swap:	Y
Number of SSDs supported:	8

Graphics

Maximum graphics adapter memory:	16 MB
On-board graphics adapter:	N
On-board graphics adapter model:	Not available

Networking

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

Ports & interfaces

USB 2.0 ports quantity:	5
VGA (D-Sub) ports quantity:	2
Serial ports quantity:	1
USB 3.0 (3.1 Gen 1) Type-A ports quantity:	2

Expansion slots

PCI Express slots version: 3.0

Design

Chassis type: Rack (4U)
Optical drive type: N
Rack mounting: Y
Rack rails: Y

Performance

Operating system installed: N
Compatible operating systems: Microsoft Windows Server, Red Hat Enterprise Linux Server, SUSE Linux Enterprise Server, VMware vSphere Hypervisor
Noise level: 6.6 dB
Security features: Power-on, admin password
BIOS type: UEFI
Trusted Platform Module (TPM): Y
Trusted Platform Module (TPM) version: 1.2

Processor special features

Intelligent Platform Management Interface (IPMI) support: Y
Intel Remote Management Module Support: IMM2
CPU configuration (max): 4
Intel Rapid Storage Technology: N
Enhanced Intel SpeedStep Technology: 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: N
Intel® vPro® Technology: N
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: 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: N
Intel® Secure Key: Y
Intel TSX-NI: Y
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 Instruction Replay Technology: N
Intel Instruction Replay Technology version: 0.00
Intel Secure Key Technology version: 1.00
Intel Virtualization Technology (VT-x): Y
Intel TSX-NI version: 1.00
Intel Dual Display Capable Technology: N
Intel FDI Technology: N
Intel Fast Memory Access: N
Processor ARK ID: 84677

Power

Redundant power supply (RPS) support: Y
Power supply: 900 W
Number of redundant power supplies supported: 4
Number of redundant power supplies installed: 2
Number of main power supplies: 2
Power supply input frequency: 50/60 Hz

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
Non-operating altitude: 0 - 3050 m

Weight & dimensions

Width: 482 mm
Depth: 804 mm
Height: 173 mm

Other features

Graphics adapter: G200eR2
Graphics adapter family: Matrox
Intel® Virtualization Technology (Intel® VT): VT-d,VT-x