

# Lenovo ThinkServer TS440 server (70AQ001YEU)

Intel Xeon E3-1246 v3 (8M Cache, 3.5GHz), 4GB DDR3 1600MHz, 4x3.5"HS, Intel HD Graphics P4600, DVD±RW, Gigabit Ethernet, 1x450W, RAID 100



## Price details:

Price excl. VAT: 1,675.74 €

Eco fees: 0.07 €

VAT 21 %: 351.92 €

## Product details:

Product code: 70AQ001YEU

EAN: 0888965452450

Manufacturer: Lenovo

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# 2,027.73 €

\* VAT included

## Enterprise-Class.

The ThinkServer TS440 is a true enterprise-class server. Thanks to the increased performance of the latest Intel® Xeon® E3-1200 v3 series processors, the TS440 has the power and speed to handle your workload with ease. To help keep you up and running and your data safe, the TS440 includes reliability features such as error correcting code (ECC) memory and an onboard storage controller with the capability of implementing up to RAID 5. You can also choose between enterprise SAS or SATA hot-swap drives. Plus, the TS440 is designed for 24/7 operation and is certified for MSP support with many ecosystem vendors.

## Easy to Own

What do we mean when we say easy to own? In addition to being very affordable, the TS440 is highly upgradeable. You can add up to 32TB of storage, up to 32GB of memory, and have 4 PCI/PCIe slots so you can grow the TS440 as your needs dictate. We also mean the TS440 is easy to manage. It offers simple tools for deployment, monitoring, and ongoing management. Using the latest Intel Advanced Management Technology (AMT) 9.0, the TS440 provides out-of-band, remote management-regardless of the server's status. The TS440's web console works directly out of the box providing point-and-click management tools perfect for branch offices or remote deployments with limited IT resources.

## Whisper-Quiet

At 33 decibels, the acoustics of the TS440 are 40 percent quieter than its predecessor and impressively quiet for any server. That's less noise than you'll find in a typical library. Plus, it's ENERGY STAR-certified and made with 65% recycled materials, so it's easy on the environment and easy on your power bills

## Main specifications:

### Processor

Processor frequency:	3.5 GHz
Processor family:	Intel Xeon E3 v3
Processor model:	E3-1246V3
Processor cores:	4
Number of processors installed:	1
Processor cache type:	Smart Cache
Processor cache:	8 MB
System bus rate:	5 GT/s
Processor socket:	LGA 1150 (Socket H3)
Motherboard chipset:	Intel C226
Processor boost frequency:	3.9 GHz
Processor lithography:	22 nm
Processor threads:	8
Processor operating modes:	32-bit,64-bit
Stepping:	C0
Bus type:	DMI2

Processor codename: Haswell  
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: 16  
PCI Express configurations: 1x16,2x8,1x8+2x4  
Processor package size: 37.5 mm  
Supported instruction sets: AVX 2.0,SSE4.1,SSE4.2  
Scalability: 1S  
Embedded options available: N  
Thermal solution specification: PCG 2013D  
Graphics & IMC lithography: 22 nm  
Thermal Design Power (TDP): 84 W  
Processor series: Intel Xeon E3-1200 v3  
Conflict Free processor: N

#### Memory

Internal memory: 4 GB  
Internal memory type: DDR3-SDRAM  
Maximum internal memory: 32 GB  
Memory slots: 4x uDIMM  
Memory clock speed: 1600 MHz  
ECC: Y  
Memory layout (slots x size): 1 x 4 GB

#### Storage

RAID support: Y  
RAID levels: 0,1,5,10  
Number of hard drives supported: 4

#### Graphics

On-board graphics adapter: Y  
On-board graphics adapter family: Intel HD Graphics  
On-board graphics adapter model: Intel HD Graphics P4600  
On-board graphics adapter base frequency: 350 MHz  
On-board graphics adapter dynamic frequency (max): 1200 MHz  
Maximum on-board graphics adapter memory: 1.74 GB  
On-board graphics adapter DirectX version: 11.2  
Number of execution units: 20  
Number of displays supported (on-board graphics): 3

#### Networking

Ethernet LAN: Y  
LAN controller: Intel I217  
Cabling technology: 10/100/1000Base-T(X)  
Ethernet interface type: Gigabit Ethernet

#### Ports & interfaces

USB 2.0 ports quantity: 2  
VGA (D-Sub) ports quantity: 1  
Ethernet LAN (RJ-45) ports: 1  
Serial ports quantity: 1  
USB 3.0 (3.1 Gen 1) Type-A ports quantity: 6

#### Expansion slots

PCI Express x1 (Gen 2.x) slots: 1  
PCI Express x16 (Gen 2.x) slots: 1  
PCI Express x16 (Gen 3.x) slots: 1  
PCI slots: 1  
PCI Express slots version: 3.0

#### Design

Chassis type: Tower (5U)  
Optical drive type: DVD±RW

#### Performance

Operating system installed:	N
Compatible operating systems:	Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Windows 8.1/8/7(except Home edition). Red Hat Enterprise Linux 6.4/6.5/6.7/7/7.1. SUSE Linux Enterprise Server 11/12. VMware vSphere (ESXi) 5.1U1/5.1 U2/5.5/5.5 U1/5.5 U2/5.5 U3, Citrix Xen server 6.2
Trusted Platform Module (TPM):	Y
Trusted Platform Module (TPM) version:	1.2

#### Processor special features

CPU configuration (max):	1
Enhanced Intel SpeedStep Technology:	Y
Intel® Identity Protection Technology (Intel® IPT):	Y
Intel® Wireless Display (Intel® WiDi):	Y
Intel Virtualization Technology for Directed I/O (VT-d):	Y
Intel® Anti-Theft Technology (Intel® AT):	Y
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:	Y
Intel® InTru® 3D Technology:	Y
Intel® Clear Video HD Technology (Intel® CVT HD):	Y
Intel® Insider®:	Y
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® Secure Key:	Y
Intel Stable Image Platform Program (SIPP):	Y
Intel 64:	Y
Intel Identity Protection Technology version:	1.00
Intel Stable Image Platform Program (SIPP) version:	1.00
Intel Secure Key Technology version:	1.00
Intel Virtualization Technology (VT-x):	Y
Intel TSX-NI version:	1.00
Intel FDI Technology:	Y
Intel I/O Acceleration Technology:	Y
Intel Fast Memory Access:	Y
Processor ARK ID:	80916

#### Power

Power supply:	450 W
Number of main power supplies:	1

#### Certificates

Energy Star certified:	Y
Certification:	GREENGUARD, RoHS

#### Weight & dimensions

Width:	195 mm
Depth:	430 mm
Height:	595 mm

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