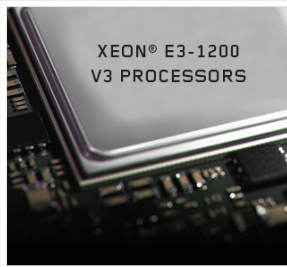# lenovo® FOR THOSE WHO DO.™

THE LENOVO® THINKSERVER® TS440
POWERFUL, FLEXIBLE, SCALABLE

XEON® E3-1200 V3 PROCESSORS

MORE POWERFUL, RELIABLE
Latest Xeon® E3-1200 v3 processors and advanced data protection to handle the demands of your growing business

FLEXIBLE, SCALABLE
Up to 32TB storage to support your demanding small business needs

SIGNIFICANTLY QUIETER
20% quieter than TS430, now only 32 dB. That's as quiet as a typical library

EASY TO USE
TS440 features an easy-to-use management toolsuite to help you deploy, manage, monitor and control your server

The ThinkServer® TS440 offers the latest Intel® Xeon® E3-1200 v3 performance, expansive scalability, and innovative Intel® AMT™ remote manageability* to deliver an enterprise-class, highly affordable server solution for MSPs, branch offices and small businesses. Extensive reliability features including RAID 6, redundant power choices, hot-swap drives, and powerful network adapter choices provide fail-over protection and peace of mind. Improved chassis design provides 20% quieter operation, yet affords enormous hard drive expansion for performance-focused SAS or affordable, reliable SATA choices. The ThinkServer® TS440 offers outstanding expansion for growing businesses, with up to nine 1GB Ethernet ports, 32GB ECC DIMM of memory, and 32TB of storage space. It's a winning choice for small CRM deployments, virtual desktop workloads or serving as a small email, file/print or web server. Plus, its user-friendly tools and broad MSP ecosystem support allow MSPs to remotely and cost effectively manage end-user networks. A comprehensive options and services portfolio make it easy to customize the perfect TS440 for your needs. ThinkServer® TS440 combines all these features in an ENERGY STAR-certified, whisper-quiet tower that's perfect for retail, back office or remote office deployments.

* Intel® AMT™ KVM feature supported only with Xeon® models with integrated graphics.

(intel) inside™ XEON®

iF product design award 2013

CITRIX ready

⊞ Windows Server 2012

THINKSERVER® TS440

IDEAL DEPLOYMENTS

CLEVER MANAGEABILITY FOR MANAGED SERVICE PROVIDERS (MSPs)

The ThinkServer® TS440 delivers world-class Think quality and outstanding reliability, allowing MSPs to extend their service offerings effortlessly to servers.

Remote management has never been easier or more effective with the ThinkServer TS440 – its Intel® AMT™ technology is certified with all the popular MSP ecosystem management consoles like N-Able, Level Platforms and Kasaya. The TS440 offers huge capacity and blazing-fast SAS RAID and data protection – perfect for MSPs entrusted with their customer's data and network management. The TS440 is designed for 24x7 operation and unwavering reliability. The enterprise-tough chassis offers SAS or SATA hot swap drives and durable ECC memory, for outstanding data integrity and peace of mind.

A TERRIFIC FIRST SERVER SOLUTION

Small businesses need the server-class capabilities that large enterprises enjoy, but without the high costs of acquisition and exorbitant operational costs. They need intuitive, easy-to-use tools and scalability that meets their growing needs over time. ThinkServer TS440 offers true server-class performance designed for 24x7 operation yet remains highly affordable. Remote IT management is easy, with the latest generation Intel® AMT™ manageability tools. ENERGY STAR compliance on the TS440 saves you substantially in energy costs, compared to previous generation servers. And, with its whisper-quiet operation, the TS440 is an ideal fit for retail or front office deployments – without need for a dedicated server room. Couple these impressive features at prices starting at $679, and the TS440 offers an outstanding solution for small business.

PERFECT FOR DISTRIBUTED ENVIRONMENTS

For corporate branch offices with limited IT staff, the ThinkServer TS440 helps make work simpler. EasyStartup allows for rapid deployment, and its ability to self-monitor health with automated alerts streamlines work of the central IT department. With remote monitoring and troubleshooting capabilities, the TS440 keeps branch office functioning at peak levels. Customize your TS440 with cost-optimized SATA or lightning-fast 15K SAS storage and powerful SAS RAID solutions when you demand critical data protection. They offer unbeatable performance for your demanding workloads in branch offices. Combining Xeon® performance with highly affordable prices, the TS440 is a powerful, economical solution.

RETAIL READY

Your retail transactions are paramount to your business – every transaction matters. Uptime isn't negotiable and transaction processing must be rapid, reliable and predictable. And, you need all these features in a solution that won't break your budget. Consider the ThinkServer TS440 – it's ideal for demanding retail and point-of-sale deployments. The TS440 offers an impressive suite of I/O choices like modem and parallel ports, high speed USB 3.0 and latest generation PCIe gen3 technology. And, for exceptional ethernet expansion, consider the quad port ethernet adapter. Built on reliable Intel technology, it features the bandwidth you demand at prices friendly on your budget. Yet, TS440 offers more than simply rich I/O. It delivers dynamite performance with the latest generation Intel® Xeon® E3-1200 v3 processors and offers huge SAS/SATA capacity. To safeguard your data, the TS440 offers the powerful ThinkServer RAID 700 adapter with optional battery backup. Combining all these choices in a platform starting at $679, and TS440 represents a compelling choice for retail deployments.

SPECIFICATIONS

CHIPSET

Intel® C226 Chipset
TPM 1.2 Encryption

PCI-E EXPANSION.

One PCIe x16 Gen3 (x16 mech)
One PCIe x4 Gen2 HH/HL (x16 mech)
One PCIe x1 Gen2 HH/HL (x1 mech)
One PCI 5V 32-bit/33 MHz

STORAGE

Configuration choices:
4 x 3.5" non-hot swap drives
8 x 3.5" hot swap drives
8 x 2.5" hot swap drives

Hard drive choices:
3.5" SATA 7.2K 6GB enterprise drive choices:
500GB/1TB/2TB/3TB/4TB
2.5" SAS 10K 6GB enterprise drive choices:
300GB/450GB/600GB/900GB
2.5" SAS 15K enterprise drive 6GB choices: 300GB
2.5" SATA 7.2K 6GB enterprise drive choices: 500GB

ETHERNET

Onboard Intel® Single Port 1Gbe NIC i217
(shared with Intel® AMT™)
Optional Intel® Dual Port 1GbE NIC (I350-T2)
Optional Intel® Quad Port 1GbE NIC (I350-T4)

PROCESSOR

Intel® Xeon® E3-1200 v3 processor choices
Intel® Core™ i3, Pentium and Celeron processor choices

STORAGE CONTROLLER

Onboard 6GB SATA RAID 0/1/10/5 with Intel® RSTe™
Optional ThinkServer RAID 500 II Adapter (6GB SAS/SATA HW RAID 0/1/10) with RAID 5 Upgrade Key
Optional ThinkServer RAID 700 II Adapter (6GB SAS/SATA HW RAID 0/1/5/10/50) with Battery Backup

I/O CONNECTORS

USB 3.0 ports – 4 rear, 2 front
USB 2.0 ports – 2 rear
Serial port (one rear)
Video (one rear)

POWER

Fixed Power Supply – 450 W PSU 92% 80 PLUS platinum
Optional Redundant Power Supply – 450 W PSU 92% 80 PLUS gold
ENERGY STAR Server 1.1 compliant

MEMORY

4 x 1600 MHz ECC UDIMM (32GB max)

MANAGEMENT

Intel® Advanced Management Technology 9.0 with remote KVM* (Xeon® models)
Intel® Standard Manageability tools (Pentium® and Core™ i3 models)
Key features: remote power on / off, Asset tag and HW inventory, IDE-R, SOL, Remote restart, Event alerting/logging, IP-based KVM redirection.

SOFTWARE

(Standard, Foundation, Essentials)
Windows Server 2012
(Standard / Enterprise / Datacenter)
Windows Server 2008 – x86 Edition
Windows Server 2008 – x64 Edition
Windows Server 2008 R2 – x64 Edition
Windows Server 2008 R2 SP1 – x64 Edition
(Standard / Enterprise)
Windows Server 2003 – x86 Edition
(Standard / Premium Add On)
Windows Small Business Server 2011
VMWare vSphere 5**
RedHat Enterprise Linux Server (5.7 / 6.1)
Novell SUSE Linux Enterprise Server (11.1 / 11.2)

DIMENSIONS

PACKAGING :	5U / 50L Tower
DIMENSIONS :	195mm x 430mm x 595mm (7.67" x 16.92" x 23.42")
WEIGHT :	25 kg (55.1 lbs) (maximum)

* Intel® AMT™ KVM feature supported only with Xeon® models with integrated graphics.

** VMware vSphere ESXi support requires the Intel Ethernet Server Adapter I350-T2 or I350-T4, as well as the ThinkServer RAID 500 II Adapter or ThinkServer RAID 700 II Adapter. The onboard Intel Ethernet Controller i217 and the onboard Intel RSTe™ software RAID do not support VMware vSphere ESXi.

Lionfield
Technology Solutions, Ltd.
Stress-Free IT. Guaranteed.

610.903.1000 | www.lionfield.com