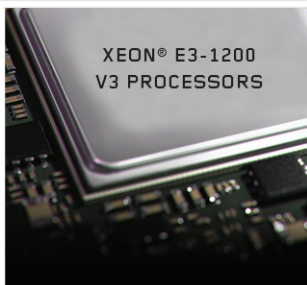


**THE LENOVO® THINKSERVER® TS440**  
**POWERFUL, FLEXIBLE, RELIABLE**



**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<sup>1</sup> 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.

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



**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

<b>CHIPSET</b> Intel® C226 Chipset TPM 1.2 Encryption	<b>PROCESSOR</b> Intel® Xeon® E3-1200 v3 processor choices Intel® Core™ i3, Pentium and Celeron processor choices	<b>MEMORY</b> 4 x 1600 MHz ECC UDIMM (32GB max)
<b>PCI-E EXPANSION.</b> 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	<b>STORAGE CONTROLLER</b> 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	<b>MANAGEMENT</b> Intel® Advanced Management Technology 9.0 with remote KVM <sup>1</sup> (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.
<b>STORAGE</b> <b>Configuration choices:</b> 4 x 3.5" non-hot swap drives 8 x 3.5" hot swap drives 8 x 2.5" hot swap drives <b>Hard drive choices:</b> 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	<b>I/O CONNECTORS</b> USB 3.0 ports – 4 rear, 2 front USB 2.0 ports – 2 rear Serial port (one rear) Video port (one rear)	<b>SOFTWARE</b> Windows Server 2012 Windows Server 2008 Windows Server 2008 R2 <sup>2</sup> VMware ESXi 5 <sup>3</sup> Red Hat Enterprise Linux Server 6.4 <sup>4</sup>
<b>ETHERNET</b> 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)	<b>POWER</b> 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	<b>DIMENSIONS</b> <b>PACKAGING</b> : 5U / 50L Tower <b>DIMENSAIONS</b> : 195mm x 430mm x 595mm (7.67" x 16.92" x 23.42") <b>WEIGHT</b> : 25 kg (55.1 lbs) (maximum)

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

2 Models with on Board SATA/SAS RAID are not supported in UEFI mode of BIOS. Support is valid in Legacy mode (non-UEFI) of BIOS.

3 VMware ESXi support requires Intel® Ethernet Server Adapter I350-T2 or I350-T4, ThinkServer RAID 500 II Adapter or ThinkServer RAID 700 II Adapter. Models with NVS 3000 graphics are not supported.

4 Due to OS limitation, support is valid for Legacy mode (non-UEFI) of BIOS.



## MICROSOFT® WINDOWS® SERVER® 2012 CHOICES

Reseller Options Kits (ROKs)	Part No.
Microsoft® Windows® 2012 Foundations ROK – Multilingual User Interface – English/French/German/Italian/Spanish	82972FM
Microsoft® Windows® 2012 Essentials ROK – Multilingual User Interface – English/French/German/Italian/Spanish	82972EM
Microsoft® Windows® 2012 Standard ROK – Multilingual User Interface – English/French/German/Italian/Spanish	82972SM
Client Access Licenses (CALs)	Part No.
Microsoft® Windows® Server® 2012 Client Access License (1 Device)	0C19601
Microsoft® Windows® Server® 2012 Client Access License (1 User)	0C19602
Microsoft® Windows® Server® 2012 Client Access License (5 Device)	0C19603
Microsoft® Windows® Server® 2012 Client Access License (5 User)	0C19604
Microsoft® Windows® Server® 2012 Client Access License (10 Device)	0C19605
Microsoft® Windows® Server® 2012 Client Access License (10 User)	0C19606
Microsoft® Windows® Server® 2012 Client Access License (50 Device)	0C19607
Microsoft® Windows® Server® 2012 Client Access License (50 User)	0C19608
Windows® Server® 2012 Remote Desktop Services Client Access License (5 Device)	0C19609
Windows® Server® 2012 Remote Desktop Services Client Access License (5 User)	0C19610
Windows® Server® 2012 Remote Desktop Services Client Access License (1 Device)	0C19611
Windows® Server® 2012 Remote Desktop Services Client Access License (1 User)	0C19612

## MICROSOFT® WINDOWS® SERVER® 2008 CHOICES

	Part No.
Microsoft® Windows® 2008 R2 SP1 Enterprise ROK 64bit – Multilingual User Interface – English/French/German/Italian/Spanish – 25 CALs	84978PF
Microsoft® Windows® 2008 R2 SP1 Enterprise ROK 64bit – Multilingual User Interface – English/Japanese – 25 CALs	84978PJ
Microsoft® Windows® 2008 R2 SP1 Standard ROK 64bit – Multilingual User Interface – English/French/German/Italian/Spanish – 5 CALs	849780F
Microsoft® Windows® Server® 2008 R2 SP1 Standard Multilingual User Interface (EN/JP) – w 5 CALs	849780J
Microsoft® Windows® 2008 R2 SP1 Foundations ROK 64bit – Multilingual User Interface – English/French/German/Italian/Spanish – 15 CALs	84978HF
Microsoft® Windows® 2008 R2 SP1 Foundations ROK 64bit – Multilingual User Interface – English/Japanese – 15 CALs	84978HD
Windows® Server® 2008 CAL 1 user CAL US/CA/LA Bundle	849781A
Windows® Server® 2008 CAL 1 user CAL AP/China Bundle	849781M
Windows® Server® 2008 CAL 1 user CAL EMEA Bundle	849781G
Windows® Server® 2008 CAL 5 user CAL US/CA/LA Bundle	849785A
Windows® Server® 2008 CAL 5 user CAL AP/China Bundle	849785M

## MICROSOFT® SMALL BUSINESS SERVER

	Part No.
Windows® SBS 2011 Essentials ROK (64bit) – English; 25 CALs	84971EE
Windows® SBS 2011 Essentials ROK (64bit) – French; 25 CALs	84971EF
Windows® SBS 2011 Essentials ROK (64bit) – German; 25 CALs	84971EG
Windows® SBS 2011 Essentials ROK (64bit) – Japanese; 25 CALs	84971EJ
Windows® SBS 2011 Standard ROK (64bit) – English; 5 CALs	84971SE
Windows® SBS 2011 Standard ROK (64bit) – French; 5 CALs	84971SF
Windows® SBS 2011 Standard ROK (64bit) – German; 5 CALs	84971SG
Windows® SBS 2011 Standard ROK (64bit) – Japanese; 5 CALs	84971SJ
Windows® SBS 2011 Premium Add On ROK – English; 5 CALs	84971PE
Windows® SBS 2011 Premium Add On ROK – French; 5 CALs	84971PF
Windows® SBS 2011 Premium Add On ROK – German; 5 CALs	84971PG
Windows® SBS 2011 Premium Add On ROK – Japanese; 5 CALs	84971PJ
Windows® SBS 2011 Standard CAL, 5 User CAL – AG Bundle	849711G
Windows® SBS 2011 Standard CAL, 5 User CAL – AP & China Bundle	849711H
Windows® SBS 2011 Standard CAL, 5 User CAL – EMEA Bundle	849711J
Windows® SBS 2011 Premium Add-On CAL, 5 user CAL AG Bundle	849711K
Windows® SBS 2011 Premium Add-On CAL, 5 user CAL AP & China Bundle	849711L
Windows® SBS 2011 Premium Add-On CAL, 5 user CAL EMEA Bundle	849711M

## ACCESSORIES FOR THINKSERVER® TS440

### Memory and Hard Drives

0C19498	– ThinkServer 2GB DDR3L-1600 MHz (1Rx8) ECC UDIMM
0C19499	– ThinkServer 4GB DDR3L-1600 MHz (1Rx8) ECC UDIMM
0C19500	– ThinkServer 8GB DDR3L-1600 MHz (2Rx8) ECC UDIMM
0C19501	– ThinkServer 3.5" 500GB 7.2K Enterprise SATA 6Gbps Hard Drive
0C19502	– ThinkServer 3.5" 1TB 7.2K Enterprise SATA 6Gbps Hard Drive
0C19503	– ThinkServer 3.5" 2TB 7.2K Enterprise SATA 6Gbps Hard Drive
0C19504	– ThinkServer 3.5" 3TB 7.2K Enterprise SATA 6Gbps Hard Drive
0C19505	– ThinkServer 3.5" 4TB 7.2K Enterprise SATA 6Gbps Hard Drive
0A89473	– ThinkServer 3.5" 500GB 7.2K Enterprise SATA 6Gbps Hot Swap Hard Drive
0A89474	– ThinkServer 3.5" 1TB 7.2K Enterprise SATA 6Gbps Hot Swap Hard Drive
0A89475	– ThinkServer 3.5" 2TB 7.2K Enterprise SATA 6Gbps Hot Swap Hard Drive
0A89477	– ThinkServer 3.5" 3TB 7.2K Enterprise SATA 6Gbps Hot Swap Hard Drive
0C19520	– ThinkServer 3.5" 4TB 7.2K Enterprise SATA 6Gbps Hot Swap Hard Drive
0C19495	– ThinkServer 2.5" 500GB 7.2K Enterprise SATA 6Gbps Hot Swap Hard Drive
67Y2619	– ThinkServer 2.5" 300GB 10K SAS 6Gbps Hot Swap Hard Drive
67Y2621	– ThinkServer 2.5" 600GB 10K SAS 6Gbps Hot Swap Hard Drive
0A89409	– ThinkServer 2.5" 900GB 10K SAS 6Gbps Hot Swap Hard Drive
0C19494	– ThinkServer 2.5" 300GB 15K SAS 6Gbps Hot Swap Hard Drive

### Ethernet and I/O Expansion

0C19506	– ThinkServer 1Gbps Ethernet I350-T2 Server Adapter by Intel®
0C19507	– ThinkServer 1Gbps Ethernet I350-T4 Server Adapter by Intel®
0C19528	– ThinkServer 512MB NVS 300 PCIe x1 Graphic Adapter by NVIDIA®
0C19508	– ThinkServer Single Parallel Port PCI Adapter
0C19509	– ThinkServer Single Serial Port PCI Adapter
0C19510	– ThinkServer Dual Serial Port PCI Adapter
0C19511	– ThinkServer Dual Serial Port PCIe Adapter

### Power

67Y2625	– ThinkServer 450W Hot Swap Redundant Power Supply
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### RAID

0A89464	– ThinkServer RAID 500 Adapter II
0A89407	– ThinkServer RAID 500 Upgrade Key for Advanced RAID
0A89463	– ThinkServer RAID 700 Adapter II
67Y2647	– ThinkServer RAID 700 Battery

### Rack Management

0C19515	– ThinkServer Tower to Rack Shelf Conversion Kit
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## SERVICES OFFERINGS

Lenovo® Services lets you get the most out of your ThinkServer® – no matter how you use it. Whether you have a thousand client seats or just one, Lenovo delivers the quality, reliability and peace of mind to keep you up and running, no matter where you are, no matter when you need it.

Lenovo ThinkServer Services are offered in a variety of service levels to meet the needs of your business as well as your budget. You can extend your base warranty for up to five years, and choose the service level you value most: onsite next day, same day, or around the clock within four or eight hour service windows up to 365 days a year. We also offer an optional Keep Your Drive service so that your data never needs to leave your premises, as well as a Priority Support call center upgrade offering.

### TS Series ThinkServer with 1-year base warranty

3-year Onsite Next Business Day Response	-----	5WS0E76466
4-year Onsite Next Business Day Response	-----	5WS0E76448
5-year Onsite Next Business Day Response	-----	5WS0E76422
3-year 9x5 4 Hour Response (TS Series)	-----	5WS0E76430
3-year 24x7 4 Hour Response (TS Series)	-----	5WS0E37825

### TS Series ThinkServer with 3-year base warranty

4-year Onsite Next Business Day Response	-----	5WS0E76429
5-year Onsite Next Business Day Response	-----	5WS0E76495
3-year 9x5 4 Hour Response (TS Series)	-----	5WS0E76480
3-year 24x7 4 Hour Response (TS Series)	-----	5WS0E37827

### Lenovo ThinkServer Priority Support

Want to jump to the head of the queue? Talk to a specialized agent and get advanced call center support? Then our Priority Support offering is perfect for you. Choose an offering which matches the term of the ThinkServer base warranty, or select from the convenient service bundle offerings designed to make it easy to purchase the combination of Lenovo services that are just right for your organization.

1-year Priority	-----	5WS0E76420
3-year Priority	-----	5WS0E76471

### Lenovo ThinkServer Keep Your Drive

Data security is more important than ever, and Lenovo offers our popular Keep Your Drive Service so that your data never needs to leave your hands. In the unlikely event of a hard drive failure requiring a hard drive replacement, you can keep your original drive, ensuring that your data stays in your control. Add this service to your base warranty, or choose a services bundle which meets your business needs.

### Lenovo ThinkServer Keep Your Drive

1-year Keep Your Drive (TS Series)	-----	5PS0E76444
3-year Keep Your Drive (TS Series)	-----	5PS0E76502

### Bundled ThinkServer Services Offerings

Lenovo offers convenient services bundles to allow you to choose the combination of services that's right for you with a single part number and price. Here are a few of our most popular offerings:

### TS Series ThinkServer with 1-year base warranty

1-year 9x5 4 Hour Response + Priority (TS Series)	-----	5WS0E76425
3-year 9x5 4 Hour Response + Priority + Keep Your Drive (TS Series)	-----	5PS0E76468
3-year 24x7 4 Hour Response + Priority (TS Series)	-----	5WS0E76435

### TS Series ThinkServer with 3-year base warranty

3-year 9x5 4 Hour Response + Priority (TS Series)	-----	5WS0E76472
3-year 24x7 4 Hour Response + Priority (TS Series)	-----	5WS0E76485
3-year 24x7 4 Hour Response + Priority + Keep Your Drive (TS Series)	-----	5PS0E76443
4-year 9x5 4 Hour Response + Priority + Keep Your Drive (TS Series)	-----	5PS0E76414

NOTE: All service levels offered vary by country. Please consult your Lenovo Business Partner or Lenovo Sales Representative for more information on the services offered in your location.

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**Availability:** Offers, prices, specifications and availability may change without notice. Lenovo is not responsible for photographic or typographic errors. **Warranty:** For a copy of applicable warranties, write to: Warranty Information, 500 Park Offices Drive, RTP, NC, 27709, Attn: Dept. ZPYA/B600. Lenovo makes no representation or warranty regarding third-party products or services. **Trademarks:** Lenovo, the Lenovo logo, Rescue and Recovery, ThinkServer, ThinkStation, ThinkVantage and ThinkVision are trademarks or registered trademarks of Lenovo. Microsoft, Windows and Vista are registered trademarks of Microsoft Corporation. Intel, the Intel logo, Intel Core, Core Inside, Xeon and Xeon Inside are registered trademarks of Intel Corporation in the U.S. and other countries. Other company, product and service names may be trademarks or service marks of others.

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