

FULLY LOADED, HIGH PERFORMANCE TOWER COMPUTING

LENOVO® THINKSERVER™ TD200x

FULLY LOADED

TD200x tower servers are equipped with the latest industry technology features and have virtually limitless expansion capabilities.

- Latest industry technology using Intel® Xeon® 5500 series processor
- 128GB maximum memory
- Enhanced storage with 8 or 16 x 2.5" HS SAS/SATA hard drives
- 6 Gen 2 PCI slots
- 7 USB ports
- IMM Premium standard on every model

ENTERPRISE-CLASS FEATURES

Lenovo's TD200x tower server provides maximum flexibility and scalability with ultimate performance for your growing business needs.

THOUGHTFULLY DESIGNED SOFTWARE

- Integrated IMM with around-the-clock management and remote access
- IMM Premium with remote presence and virtual media standard on every model gives you full control of your ThinkServer from anywhere, anytime
- EasyStartup with built-in RAID integration and an expanded list of supported operating systems
- EasyManage with streamlined installation, improved Lenovo branding, enhanced usability, and Windows Server® 2008 32-bit core console

ENGINEERED FOR MAXIMUM UPTIME

- Built-in Predictive Failure Analysis warns you about potential problems before they occur
- Integrated RAID with encryption option gives you peace of mind that your data is protected
- Redundant power and cooling ensures that your servers stay up and are running efficiently, even if a component has a problem.

LOW COST OF OWNERSHIP

- Lenovo's suite of easy tools makes setting up and managing your server faster and easier than ever.
- Virtualization Ready and Green features allow you to save on your power bill without sacrificing performance
- Tool-less serviceability makes replacing and upgrading your ThinkServer a snap

VIRTUALIZATION READY

Lenovo's new ThinkServer provides an ideal virtualization platform. Virtualization technologies reduce server footprint and total cost of ownership by consolidating legacy servers on one platform. The TD200x makes the transition to a virtual environment seamless by:

- Providing an onboard connector for embedded hypervisor standard with every TD200x
- Supporting industry leading virtualization solutions from Microsoft®, Novell®, VMWare®, and Red Hat®
- Combining Intel® virtualization technologies with up to 16 Advanced ECC memory DIMMs, 16 HDD bays, and dual TOE enabled gigabit Ethernet ports

TOP REASONS TO OWN

- ◆ HIGH PERFORMANCE
- ◆ FULLY LOADED FEATURES
- ◆ VIRTUALIZATION READY
- ◆ GREEN ENERGY SAVINGS



The brand new ThinkServer TD200x tower server comes fully loaded with features and performance to power your strongest mission-critical applications. Combined with easy-to-use software and world-class service, the TD200x provides small and mid-sized businesses one-stop shopping to power their growing ventures.

GREEN ENERGY SAVINGS

Lenovo is an active participant in the World Standards Organizations, including ENERGY STAR® and Climate Savers. In addition, all ThinkServers are RoHS certified.

To help you further reduce your power usage footprint, ThinkServers provide several low-power options including low-wattage processors, low-power memory options and small form-factor hard drives.

Our suite of energy saving options gives you the ability to drive down your energy costs without sacrificing performance.

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ThinkServer™ Ideas

- Easy to Use
- Easy to Install
- Easy to Expand
- Easy to Maintain

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NEW WORLD. NEW THINKING.™

FASTER, GREENER, ALL-IN-ONE TOWER COMPUTING

LENOVO® THINKSERVER™ TD200x

In today's busy corporate environment, businesses are constantly looking for ways to scale up their computing power without purchasing additional hardware. Lenovo had this need in mind when it created the new TD200x fully loaded tower server. Based on the latest Intel® Xeon® technology with a suite of intuitive software and thoughtfully designed services, our new offering is targeted at customers who need:

- A fully loaded, all-in-one tower server that powers mission-critical applications including e-mail, database, and virtualization
- High-performance and large-storage capacity (up to 4.8TB of data)
- Built-in data protection standard on every model ensuring no data loss in the event of hard drive failure
- Internal RDX tape solutions offer simplified data backup
- Advanced management and full remote control capabilities for health monitoring and control of your server from anywhere, anytime
- Highly scalable solutions including up to 16 hard drive bays, 16 memory slots, 6 expansion PCI slots, and 7 USB ports

EASIER-TO-USE SERVER MANAGEMENT

The ThinkServer TD200x comes standard with Integrated Management Module (IMM) along with a suite of software tools making it easy to install and manage your server. Our latest software tools feature several usability enhancements.

INTEGRATED MANAGEMENT MODULE (IMM)

- Gives you complete around-the-clock management and remote access from an easy Web interface
- Perform server management and health-check function remotely, independent of the status of the server
- IMM Premium (standard on every model)
 - ♦ Connect your local optical, USB, or disk image to the server remotely, through Virtual Media
 - ♦ Operating system failure screen capture and display through the Web interface
 - ♦ Full remote control (video, mouse, and keyboard) of your server from any location

EASY STARTUP

- Complete hardware provisioning in a wizard format takes the guesswork out of server installation
- Built-in RAID configuration ensures your data is protected from the beginning
- An enhanced list of unattended operating system installs, ensure your deployments are quick and easy
- Replication configuration allows rapid deployment and configuration of multiple servers

EASY MANAGE

- Complete multi-server management accessible from a single console checks the health of your server easily, from anywhere and anytime
- Built-in right-click menu option takes you directly to IMM
- Set up custom alerts – so you are always watching exactly what is important to you



FIRST-CLASS SERVICE AND SUPPORT

Lenovo provides complete after-sale support with a complementary 90-day trial of ThinkPlus™ Priority Support. Delivered through our reliable and extensive network of business partners, this offer provides peace of mind for customers during the most critical time of server ownership.

- ThinkPlus Productivity provides onsite hardware installation, online training, and tools to improve server performance
- ThinkPlus Priority Support offers expert IT support in a consolidated support package
- ThinkPlus Warranty provides a base warranty support



LENOVO® THINKSERVER™ TD200x SPECIFICATIONS AND SERVICES

Warranty

- 3/3 Onsite

Form Factor

- 2P 5U Tower

Core Chipset

- Intel® 5520 chipset

Processor

- Intel® Xeon® 5500 series processor

Model Name

- TD200x

Memory

- 1GB, 2GB, or 4GB Advanced ECC Memory
1333MHz DDR3 RDIMM
- 16 DIMM slots up to 128GB Maximum Memory

Storage

- RAID 0, 1, 1E, or RAID 0, 1, 1E, 5, 6, 10, 50, 60
- 8 x 2.5" HS SAS/SATA HDD (or)
- 16 x 2.5" HS SAS/SATA HDD

Media Bays

- 3 Media Bays
 - 1 x Multi-burner DVD Drive
 - 2 x Optical or tape expansion

Management

- Built-in IMM standard
- Easy Manage
- IMM Premium standard
- Onboard virtualization connector

PCI Slots

- 6 PCI Gen 2 Slots
 - (Express) 1 x 8 half-length, full-height
 - (Express) 1 x 16 (x4 elec) full-length, full-height
 - (Express) 2 x 8 (x4 elec) full-length, full-height
 - (Express) 1 x 8 full-length, full-height
 - 1 x 32 half-length, full-height

Ports

- 7 USB ports (2 front, 4 rear, 1 internal)
- 1 video port (rear)
- Integrated Dual Gigabit Ethernet with TCP/IP Offload Engine (TOE)
- Dedicated IMM port

Diagnostics

- Easy LED Panel

Cooling

- Hot-Swap redundant fans

Power Supply

- 920W redundant capable

Software

- Windows Server® 2008 (Standard and Enterprise)
- Windows® Small Business Server 2008 (Premium and Standard)
- Windows® Essential Business Server 2008 (Premium and Standard)
- Windows® Small Business Server 2003 (Premium and Standard)
- Novell® SUSE® Linux® Enterprise Server (SLES) 10 32/64 bit (Novell® is Lenovo's Preferred Linux® Provider for ThinkServer)

Virtualization Solutions

- Windows Server® 2008 with Hyper-V™ Standard and Enterprise
- Novell® SUSE® Linux® Enterprise Server (SLES) 10 with Xen Hypervisor
- VMWare® ESX and ESXi 3.5
- Red Hat® Enterprise Linux® 5.x



A-La-Carte ThinkPlus™ Services

Online Data Backup	Provides a secure, online location to back up your valuable business data. 25GB, 50GB, and 100GB options
Onsite Hardware Installation	Provides onsite installation of hardware by trained technicians
Online Training	<ul style="list-style-type: none"> • Learn the basics on components, diagnostics, troubleshooting, and managing your server. • Available in English, French, Spanish, German, Italian, Japanese, and Korean.

ThinkPlus™ Bundled Service Offerings*

ThinkPlus™ Warranty Base Warranty Support	ThinkPlus™ Priority Support Consolidated Support Package	ThinkPlus™ Productivity No Hassle Up-and-Running Bundle
Warranty Extension	24x7 Hardware and Software Phone Support	Onsite Hardware Installation
Optional 4-Hour Onsite Service Response (9x5)	Priority Routing	Online Training
	Advanced Level Technicians	Priority Support
	Software Installation and Usage Support (Phone-Based)	
	Next-Business Day (9x5) Onsite Service	
	Optional 4-Hour (24x7) Onsite Service Response	
	Optional Hardware Drive Retention	



ThinkServer™ Ideas

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- Easy to Install
- Easy to Expand
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NEW WORLD. NEW THINKING.™

LENOVO® THINKSERVER™ TD200x ACCESSORIES AND OPTIONS

DDR3 RDIMM Memory		
• Faster Performance	67Y0014	ThinkServer 1GB PC3-10600 DDR3 1333 MHz RDIMM
• Low Power Consumption	67Y0015	ThinkServer 2GB PC3-10600 DDR3 1333 MHz RDIMM*
• Advanced ECC	67Y0016	ThinkServer 4GB PC3-10600 DDR3 1333 MHz RDIMM*
• Memory Mirroring		* Advanced ECC
Intel® Xeon® Processors		
• Nehalem Architecture	67Y0011	Intel® Xeon® E5520 Processor (2.26MHz) Option Kit
• Simultaneous Multi-Threading	67Y0102	Intel® Xeon® E5530 Processor (2.4MHz) Option Kit
• Integrated Memory Controller		
• Intel® QuickPath		
2.5" SAS and SATA HDD		
• Slim Form Factor 2.5"	SAS	
• 6.0 GB/s SAS Interface	67Y0115	ThinkServer 73GB 6.0 GB/s 15K 2.5" SAS SFF HS
• Low-Power Consumption	67Y0116	ThinkServer 146GB 6.0 GB/s 10K 2.5" SAS SFF HS
• Performance (10K/15K)	67Y0117	ThinkServer 146GB 6.0 GB/s 15K 2.5" SAS SFF HS
• Hot-Swap Carriages	67Y0118	ThinkServer 300GB 6.0 GB/s 10K 2.5" SAS SFF HS
	SATA	
	67Y0002	ThinkServer 300GB 10K 2.5" SATA SFF HS
ThinkServer Accessories		
• Keyboards	Keyboards/Mice	
• Mouse	31P9490	ThinkPad® Travel UltraNav® USB Keyboard – US English
• Monitors	73P5220	Lenovo Preferred Pro Keyboard USB – US English
	06P4069	Lenovo Optical Mouse
	Monitors	
	9165AC6	Lenovo TV L151 Monitor: 15" Analog TFT
	9227AD1	Lenovo TV L171 Monitor: 17" Analog TFT
	4431HB2	Lenovo TV L193p LCD Monitor: 19" Analog/Digital

ThinkServer Ready Options – Third Party Options for a Complete Solution		
• Thinkserver Ready Options: Gigabit Ethernet I/O	39Y6066	NetXtreme II 1000 Express Single Port Ethernet Adapter
	42C1780	NetXtreme II BaseT Express Dual Port Ethernet Adapter
	39Y6126	PRO/1000 PT Dual Port Server Adapter by Intel®
	39Y6136	PRO/1000 PT Quad Port Server Adapter by Intel®
• Thinkserver Ready Options: Tape Backup	43W8480	IBM® DDS Generation 5 SATA Tape Drive
• Thinkserver Ready Options: Raid And Hdd Controller	43W4296	IBM® ServeRAID MR10i SAS/SATA Controller
	44E8826	IBM® ServeRAID MR10i Li-Ion Battery
	44E8825	IBM® ServeRAID MR10M SAS/SATA with Remote Battery Kit
	44E8689	IBM® ServeRAID BR10i SAS/SATA Controller
	44E8695	IBM® ServeRAID MR10is VAULT SAS/SATA Controller
	44E8700	IBM® ServeRAID 3GB SAS HBA Controller v2
• Thinkserver Ready: HBA Controller Options	4Gbps Interface	
	42C2069	Emulex® 4Gbps FC Single Port PCI HBA
	42C2071	Emulex® 4Gbps FC Dual Port PCI HBA
• Thinkserver Ready: Uninterruptible Power Supplies	UPS	
	2130R3X	UPS 1000 TLV (US)
	2130R5X	UPS 1500 TLV (US)
	21301RX	UPS 3000 LV (US)
• Thinkserver Ready: Server Power And Cables	Redundant Power	
	44X0381	Redundant Cooling and Power

 www.lenovo.com/thinkserver

THINK SAVINGS. THINK LENOVO.

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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, Perimeter Park, 1009 ThinkPlace, Building 3, Dept ZPYA, Morrisville, NC. 27560, Attn: Dept. ZPYA. Lenovo makes no representation or warranty regarding third-party products or services.

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