THE LENOVO® THINKSERVER™ RS110

THE ULTIMATE IDEA FOR BUSINESS GROWTH.

ULTIMATE PERFORMANCE
- Intel® Core™2 Duo processors and Xeon® processors 3000 sequence
- Intel® 3210 Chipset
- 8GB of maximum memory
- 350W of maximum power

ULTIMATE RELIABILITY
- 4 slots of 1/2GB DDR2 800MHz SDRAM DIMM/uDIMM
- One PCI-E bus Broadcom 5722 and one PCI32 Broadcom 5703 Ethernet, integrated
- ATI ES1000 graphics with DVO for VGA re-direction through RSAII slim card (optional)
- LED Diagnostics, fans and memory
- 2 high-performance PCI-E expansion slots

ULTIMATE CUSTOMIZATION
- Industry-leading software solutions available from Lenovo and Lenovo Business Partners:
  - Microsoft® Windows Server® 2003 Standard Edition Reseller Option Kit
  - Microsoft® Windows Server® 2003 Enterprise Edition Reseller Option Kit
  - Microsoft® Windows Server® 2008 Standard Edition with Hyper-V™ Reseller Option Kit
  - Microsoft® Windows Server® 2008 Enterprise Edition with Hyper-V™ Reseller Option Kit
  - Microsoft® Windows® Small Business Server 2003 R2 Standard Edition Reseller Option Kit
  - Microsoft® Windows® Small Business Server 2003 R2 Premium Edition Reseller Option Kit
- Novell® SUSE® Linux Enterprise Server (Novell® is Lenovo's Preferred Linux Provider for ThinkServer)
- Hardware customization through ThinkServer and ThinkServer Ready options

ULTIMATE SETUP AND MANAGEMENT
- ThinkServer EasyStartup server setup and configuration utility
- ThinkServer EasyUpdate for Lenovo hardware drivers and firmware
- ThinkServer EasyManage server management for hardware monitoring, alerting, administration, and more
- PC-Doctor Diagnostics
- IPMI 2.0 support

ULTIMATE SERVICES
- ThinkPlus™ Productivity gets your server up and running fast
- ThinkPlus™ Priority Support offers expert IT support for your ThinkServer when you need it
- An included 90-day trial of the Priority package supports you during your first critical three months of ownership

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ENGINEERED FOR THE SMALL BUSINESS WITH A LARGE BUSINESS AGENDA.

Meet the new ThinkServer RS110, where first-class hardware is combined with software tools and services designed to deliver the best possible server experience for the small business owner. This single-processor rack server scales well in a datacenter, is space-optimized and knows that 24x7 uptime is important. In addition, it's complemented by services that offer the highest level of IT support. The customizable RS110 combines reliable hardware, ease of use and hassle-free support to give small businesses the ultimate amount of flexibility. The ThinkServer line ensures that data is kept secure with available disaster recovery offerings that improve upkeep across a small business, making it easy to centralize IT infrastructure. It's even easier to enjoy the low cost without sacrificing performance, storage or flexibility.

Coupled with reliable hardware, the new ThinkServer RS110 comes equipped with a suite of easy-to-use software, services and toolsets to make the setup, updating and management of your server painless and perfect. Just what you need to upgrade from a desktop computer to power your file/print, e-mail and Web priorities — along with your ideas.

ROCK-SOLID HARDWARE
Proven technology powers ThinkServer systems, along with Intel® chipsets and processors. Lenovo's design and engineering traits also are synonymous with the successful Think® brand, affording you the peace-of-mind to focus on growing your business.

THOUGHTFUL MANAGEMENT
ThinkPlus™ Services are developed with the small business and the local business partner in mind. Simple solution packages get you productive fast and provide the priority service you depend on, including ThinkPlus™ Productivity and ThinkPlus™ Priority Support, plus a wide range of other modular SMB services. Third-party software fills in where and when it's needed, including Lenovo Integrated Software Solutions from LANDesk®. Operating Systems from Microsoft® and Novell® are offered, and additional solutions from VMWare® and Red Hat® are certified to run on Lenovo ThinkServer hardware.

VAST SUPPORT
The Lenovo Partner Network helps your dedicated Business Partner easily lead you through every step of the customization and management of your new hardware.

THINKSERVER™ RS110 SPECIFICATIONS AND SERVICES

THINKSERVER RS110

Warranty 1/1	**Warranty** 3/3
Form Factor Rack	**Form Factor** Rack
Core Chipset Intel® 3210	**Core Chipset** Intel® 3210
Processor Single E7200 Series (E7200)	**Processor** Single E3100 Series (E3110/E3110)/X3600 Series (X3660/X3660)
Machine Type-Model 6436-15x/6436-16x	**Machine Type-Model** 6438-13x/6438-14x/6438-15x/6438-16x
Speed & Capacity 2.53GHz Clock Speed 1066MHz Front Side Bus 3MB L2 Cache	**Speed & Capacity** 3.00GHz Clock Speed/3.00GHz/2.83GHz/2.83GHz 1333MHz Front Side Bus 6MB L2 Cache/6MB/12MB/12MB
Memory 800MHz DDR2 SDRAM DIMM 8GB Maximum Memory	**Memory** 800MHz DDR2 SDRAM uDIMM 8GB Maximum Memory
Storage RAID 0, 1, 10 Up to 2x 3.5" SATA HDD/Up to 2x 3.5" SATA HDD with optional 160GB 7200 rpm Hard Drive SS HDD Backplane DVD-ROM	**Storage** RAID 0, 1, 10/RAID 0, 1, 10/RAID 0, 1, 1e, 5/RAID 0, 1, 1e, 5 Up to 2x 3.5" SATA HDD/Up to 2x 3.5" SATA HDD with optional 250GB 7200 rpm/ Up to 4x 2.5" SAS HDD/Up to 4x 2.5" SAS HDD with optional 146B 10000 rpm Hard Drive SS HDD Backplane/HS HDD Backplane/HS HDD Backplane/HS HDD Backplane DVD-ROM
Connectivity Dual Gigabit Ethernet (Integrated)	**Connectivity** Dual Gigabit Ethernet (Integrated)
Diagnostics LED	**Diagnostics** LED
Power Supply 350W of Maximum Power	**Power Supply** 350W of Maximum Power

A-La-Carte ThinkPlus™ Services

Online Data Backup
A secure, online location to backup your valuable business data

Onsite Hardware Installation
Onsite installation of your hardware by a trained technician

Online Training
Learn the basics on components, diagnostics, troubleshooting and managing your server

EXCEPTIONAL SUPPORT WITH THINKPLUS™ SERVICE BUNDLES

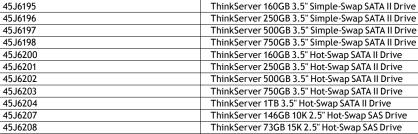| ThinkPlus™ Warranty Base Warranty Support	ThinkPlus™ Priority Support 90-Day Trial Included (With HW Product Purchase)	ThinkPlus™ Productivity No-Hassle Up & Running Bundle
• Warranty Upgrade • Warranty Extension	• 24x7 HW & SW Phone Support • Next-Business Day (9x5) Onsite Service • Priority Routing • Advanced Level Technicians • SW Installation & Usage Support (Phone-Based) • Optional 4-Hour (24x7) Onsite Service Response • Optional Hard Disk Drive Retention	• Onsite HW Installation • Online Training • Priority Support

Memory	
45J6188	ThinkServer 1GB PC2-6400 (800 MHz) ECC DDR2 SDRAM
45J6189	ThinkServer 2GB PC2-6400 (800 MHz) ECC DDR2 SDRAM
Hard Disk Drives	
45J6195	ThinkServer 160GB 3.5" Simple-Swap SATA II Drive
45J6196	ThinkServer 250GB 3.5" Simple-Swap SATA II Drive
45J6197	ThinkServer 500GB 3.5" Simple-Swap SATA II Drive
45J6198	ThinkServer 750GB 3.5" Simple-Swap SATA II Drive
45J6200	ThinkServer 160GB 3.5" Hot-Swap SATA II Drive
45J6201	ThinkServer 250GB 3.5" Hot-Swap SATA II Drive
45J6202	ThinkServer 500GB 3.5" Hot-Swap SATA II Drive
45J6203	ThinkServer 750GB 3.5" Hot-Swap SATA II Drive
45J6204	ThinkServer 1TB 3.5" Hot-Swap SATA II Drive
45J6207	ThinkServer 146GB 10K 2.5" Hot-Swap SAS Drive
45J6208	ThinkServer 73GB 15K 2.5" Hot-Swap SAS Drive
Keyboard / Mice	
31P9490	ThinkPad Travel UltraNav® USB Keyboard - U.S. English
73P5220	Lenovo Preferred Pro USB Keyboard - U.S. English
06P4069	Lenovo Optical Mouse
Monitors	
9165AC6	Lenovo 15 TFT LCD/ThinkVision® L151 15" Analog LCD
9227AD1	Lenovo T 117 17 TFT LCD/ThinkVision L171 17" Analog LCD
4431HB2	Lenovo 19 TFT LCD/ThinkVision L193p 19" Digital/Analog LCD
Diskette Drive	
05K9276	USB Portable Diskette Drive
ThinkServer Ready I/O Options	
39Y6146	QLogic iSCSI Single-Port PCIe HBA
42C1770	QLogic iSCSI Dual-Port PCIe HBA
42C2069	Emulex 4GB FC Single-Port PCI-E HBA
42C2071	Emulex 4GB FC Dual-Port PCI-E HBA
39R6525	QLogic 4GB FC Single-Port PCIe HBA
39R6527	QLogic 4GB FC Dual-Port PCIe HBA
39Y6126	PRO/1000 PT Dual-Port Server Adapter by Intel®
39Y6136	PRO/1000 PT Quad-Port Server Adapter by Intel®
ThinkServer Ready Tape Options	
25R0006	IBM GoVault Drive
42D8771	IBM GoVault Drive without Cartridge/Internal Dock
39M5617	IBM GoVault 80GB Cartridge
42D8776	IBM GoVault 120GB Cartridge
39M5636	IBM DDS Generation 6 USB Tape Drive
44E8895	IBM Half-High LTO Generation 4 SAS Tape Drive
ThinkServer Ready Controller/RAID Options	
43W4296	IBM ServeRAID-MR10i SAS/SATA Controller
43W4299	IBM ServeRAID-MR10i Battery
43W4339	IBM ServeRAID-MR10M SAS/SATA Controller
25R8060	IBM SAS HBA Controller
ThinkServer Ready Racks & Rack Accessory Options	
17354GX	IBM 4x16 Global Console Manager
17237RX	Monitor Shelf
17235RX	Keyboard Tray
93072RX	IBM S2 Standard 25U Rack
93074RX	IBM S2 Standard 42U Rack
93074XX	IBM S2 Standard 42U Expansion Rack

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