



# BUILD YOUR BUSINESS ON IT.

## THE LENOVO® THINKSERVER® RS210 COMES WITH MORE THINKING TO DELIVER ENTERPRISE-CLASS FEATURES IN A COMPACT DESIGN FOR SMALL BUSINESSES.

The Lenovo ThinkServer RS210 is an affordable single processor rack server that is ideally suited for a small business or a corporate branch office. This exceptionally engineered server provides rock-solid hardware, easy-to-use software and exceptional services that are perfect for the growing business with a limited IT staff. Best of all, the RS210 has more thinking built in to offer enterprise-class features and greener attributes that positively impact total cost of ownership.

The new RS210 is built on the latest Intel® Xeon® technology, featuring the X3400 series processor. Along with expandable memory and data storage, it offers RAID options that greatly enhance its performance and data integrity. Enhanced server management features like Integrated Management Module (IMM), Predictive Failure Analysis (PFA) and Easy LED Diagnostics ensure easy repair and maintenance, while preventing server outages. The RS210 is backed by a 90 day trial of ThinkPlus Priority Support in addition to a 1 or 3 year standard warranty.

The latest ThinkServer platform is now greener with >92% efficient power supplies. The Virtualization Ready RS210 offers energy-efficient power supplies and low-power processor and memory options. These attributes ensure reduced energy costs through reduced power consumption and efficient zoned cooling. Lenovo is a participant in the Climate Savers Program and all ThinkServers are RoHS compliant.

♣ For January 2010 refresh  
1 Delayed availability for some functionality (including max memory support, 2.5" HDD)

### ENTERPRISE-CLASS OFFERINGS

- Intel® Xeon® X3400 and Core™ i3<sup>♣</sup> processors
- Advanced ECC DDR3 memory — expandable up to 16GB uDIMM and 32GB rDIMM<sup>♣1</sup>
- 2.5"♣ SAS and 3.5" SAS / SATA hard drive options
- Integrated Dual Gigabit Ethernet
- Dedicated Gigabit Ethernet System Management
- PCI slots — 1 PCI-E x8, 1PCI-E x8 Lo Profile and 1 PCI-X via Riser
- RAID 0 / 1, 10 and 5, 6, 50, 60 via optional PCI-E cards

### ECO-FRIENDLY GREEN SERVER

The green RS210 platform offers:

- >92% efficient power supplies Schedule Power ON / OFF
- Reduced energy consumption and efficient cooling capability
- Low-wattage processor and memory options

### ENHANCED USER EXPERIENCE

- **EasyStartup:**  
Provides easy setup with built-in RAID configuration, automated OS installation and cloning
- **EasyManage:**  
Provides a world-class multi-server management application with streamlined installation, improved wizards, enhanced usability and a Microsoft® Windows Server® 2008 console support
- **Built-in IMM:**  
Always On Management provides anytime, anywhere access to your servers through a web-based interface
- **IMM Premium:**  
Provides enhanced remote presence from anywhere through remote KVM and virtual media
- **Embedded Hypervisor.00 :**  
Provides easy Virtualization support with VMWare® Hypervisor support

### TOP REASONS TO OWN



### THE LENOVO THINKSERVER RS210

- ENTERPRISE-CLASS DEPENDABILITY
- EASY-TO-SETUP, MANAGE AND MAINTAIN
- ENHANCED REMOTE MANAGEMENT
- OUTSTANDING PERFORMANCE



### ENHANCED MANAGEABILITY

Enhanced manageability ensures that your servers run smoothly with the following features:

- Integrated Management Module — allows advanced remote management, maintenance and repair from anywhere
- Predictive Failure Analysis — alerts you before a problem occurs
- Easy LED diagnostics on the motherboard — allows quick diagnosis
- Hot-swap components and tool-less disassembly — allows quick repair

### THINKPLUS PRIORITY SUPPORT – 90-DAY TRIAL

- The RS210 is offered with a 90-day trial of ThinkPlus Priority Support in addition to a 1 - or 3 - year standard warranty.
- The Business Partner leverages the capabilities of Lenovo® for the best possible service experience the most crucial time of ownership.

### SAVE TIME AND CUT COSTS

- Thoughtfully designed RS210 servers with ThinkVantage® Technologies are easy-to-install, easy-to-manage and easy-to-maintain
- Virtualization Ready RS210 allows customers to reduce their overall server footprint by consolidating existing servers

### THINKPLUS® SERVICE OFFERINGS

#### VALUE-ADDED SERVICES

- ThinkPlus Productivity Package with Hardware Installation and Training
- Lenovo Online Backup for server (25, 50 and 100 GB)
- Server Installation Service
- Online Training — managing and servicing ThinkServer
- Lenovo Professional Services — migration, security, continuity, virtualization and system management

#### BASE WARRANTY

- 1 year on-site
- 3 year on-site

#### UPGRADE SERVICE LEVEL

- 4 hour on-site service response
  - » 3 / 5 year on-site 9 x 5 – 4 hour
- ThinkPlus Priority Support
  - » 3 year ThinkPlus Productivity (Priority + Online Training + Installation)
  - » 3 / 5 year ThinkPlus Priority
  - » 3 / 5 year ThinkPlus Priority 4 (24 x 7 - 4 hour response)
  - » 3 / 5 year ThinkPlus Priority with Hard Disk Drive Retention
  - » 3 / 5 year ThinkPlus Priority 4 (24 x 7 - 4 hour response) with Hard Disk Drive Retention

#### WARRANTY EXTENSIONS

- 3 / 5 year on-site 9 x 5 NBD (if purchased during warranty)

**THE LENOVO® THINKSERVER® RS210 SPECIFICATIONS**

DESCRIPTION	RS210
<b>Processor</b>	Intel® dual and quad core processors Intel® X3400 (quad core) Core™ i3 (dual core)
<b>Operating Systems</b>	Microsoft® Windows Server® 2008 Standard R2 edition (32 / 64-bit) Microsoft® Windows Server® 2008 Enterprise R2 edition (32 / 64-bit) Microsoft® Windows Server® 2008 SBS Standard (64-bit) Microsoft® Windows® Foundations R2 Novell® SUSE® Linux Enterprise Server (SLES) 11 with Xen® hypervisor Red Hat® Enterprise Linux® 5.3 VMware® ESX Server 4.0 & 4.0i
<b>Chipset</b>	Intel® Ibex Peak
<b>Memory</b>	1 GB, 2 GB, 4 GB DDR3 Registered DIMMs — 6 slots 1 GB, 2 GB DDR3 Unregistered DIMMs — 4 slots I / O Slots 1x8 PCI-E Gen2 full-height, half-length 1x8 PCI-E Gen 2 Lo Profile 1 PCI-X via Riser (NOT selected)
<b>Ethernet</b>	Integrated Dual Gigabit Ethernet (2 port) Dedicated Gigabit Ethernet System Management Port
<b>Storage Bays</b>	2 x 3.5" HS SAS / SATA or 2 x 3.5" SS SATA or 4 x 2.5" HS SAS 1 x 5.25" bay for optical
<b>Raid</b>	RAID 0, 1 RAID 0, 1, 5 RAID 0, 1, 10, 5, 50 RAID 6, 60
<b>I Drives</b>	DVD-ROM DVD-RW
<b>I / O Ports</b>	7 USB (4 front, 2 back, 1 internal) Internal USB available for internal VMware® hypervisor 1 x Serial (rear) 1 x VGA (rear)
<b>Management</b>	IMM with IPMI 2.0 (dedicated LAN port) HW key for Remote Presence TPM 1.2
<b>Power</b>	401 W fixed
<b>Green Server</b>	>92% efficient power supplies RoHS (lead free)

## THE LENOVO® THINKSERVER® RS210 OPTIONS

Memory	DDR3 Registered DIMM – high performance and advanced ECC	
<ul style="list-style-type: none"> <li>Faster performance</li> <li>Low-power consumption</li> <li>Advanced ECC</li> <li>Memory mirroring</li> </ul>	67Y0014	ThinkServer 1GB PC3 - 10600 DDR3 1333 MHz RDIMM
	67Y0124	ThinkServer 2GB PC3 - 10600 1Gbit DDR3 1333 MHz RDIMM
	67Y0125	ThinkServer 4GB PC3 - 8500 1Gbit DDR3 1066 MHz RDIMM
	DDR3 Unregistered DIMM – low latency and low cost	
	67Y0122	ThinkServer 1GB PC3 - 10600 DDR3 1333 MHz UDIMM
	67Y0123	ThinkServer 2GB PC3 - 10600 DDR3 1333 MHz UDIMM
Internal Storage	2.5 inch SFF SAS – high performance (10K / 15K RPM)	
<ul style="list-style-type: none"> <li>Slim Form Factor 2.5"</li> <li>6.0 GB/s SAS interface</li> <li>Low-power consumption</li> <li>Performance (10K / 15K)</li> <li>Hot-swap 3.5" Tray</li> <li>Simple-swap 3.5" Tray</li> </ul>	67Y0115	ThinkServer 73GB 6.0GB/s 15K SAS SFF HS
	67Y0116	ThinkServer 146GB 6.0GB/s 10K SAS SFF HS
	67Y0117	ThinkServer 146GB 6.0GB/s 15K SAS SFF HS
	67Y0118	ThinkServer 300GB 6.0GB/s 10K SAS SFF HS
	3.5 inch Hot-swap SAS – high performance and high capacity (15K RPM)	
	45J6211	ThinkServer 146GB 15K 3.5" Hot-swap SAS Drive
	45J6212	ThinkServer 300GB 15K 3.5" Hot-swap SAS Drive
	67Y0119	ThinkServer 450GB 15K 3.5" Hot-swap SAS Drive
	3.5 inch Simple-swap / Hot-swap SATA II– reliable and high-capacity storage	
	45J6196	ThinkServer 250GB 3.5" Simple-swap SATA II Drive
	45J6197	ThinkServer 500GB 3.5" Simple-swap SATA II Drive
	67Y1380	ThinkServer 1TB 3.5" Simple-swap SATA II Drive
	45J6201	ThinkServer 250GB 3.5" Hot-swap SATA II Drive
	45J6202	ThinkServer 500GB 3.5" Hot-swap SATA II Drive
	45J6204	ThinkServer 1TB 3.5" Hot-swap SATA II

\* IBM Part Number

ThinkServer IBM Options	Connectivity	
<ul style="list-style-type: none"> <li>New ThinkServer Options available from Lenovo</li> <li>Lenovo Part Numbers</li> </ul>	67Y0172	ThinkServer IBM 8GB FC Single-port HBA by QLogic
	67Y0173	ThinkServer IBM 8GB FC Dual-port HBA by QLogic
	67Y0174	ThinkServer IBM 8GB FC Single-port HBA by Emulex
	67Y0175	ThinkServer IBM 8GB FC Dual-port HBA by Emulex
	67Y0176	ThinkServer IBM 8GB FC Single-port HBA by Brocade
	67Y0177	ThinkServer IBM 8GB FC Dual-port HBA by Brocade
	67Y0178	ThinkServer IBM NetXtreme II 1000 Dual Port Ethernet Adapter
		RAID Controllers
	67Y0183	ThinkServer IBM SAS Controller v2
	67Y0184	ThinkServer IBM ServeRAID M5015
	67Y0185	ThinkServer IBM ServeRAID M5014
	67Y0186	ThinkServer IBM ServeRAID M5000 Series Battery Kit
	System Components	
	67Y0182	ThinkServer IBM Virtual Media Key – Entry Servers
	67Y1372	ThinkServer IBM UltraSlim Enhanced SATA DVD-ROM
	67Y1373	ThinkServer IBM UltraSlim Enhanced SATA Multi-Burner
ThinkServer Ready Options	Tape / Backup (External Attach)	
<ul style="list-style-type: none"> <li>3rd Party Options available through existing IBM distribution</li> </ul>	362516X*	IBM RDX160 External Bundle
	362532X*	IBM RDX320 External Bundle
	362550X*	IBM RDX500 External Bundle
	Switches and Console Managers	
	31R3132*	IBM 3M Console Switch Cables
	17353LX*	IBM 1x8 Console Switch
	Uninterruptible Power Supplies	
	21301RX*	IBM UPS 3000 LV - US
	21302RX*	IBM UPS 3000 HV - International

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THERE'S MORE THINKING IN A **ThinkServer**