POWERFUL COMPUTING AND FEATURES IN A COMPACT DESIGN

THE LENOVO® THINKSERVER® RD230

In today's cost-conscious corporate environment, businesses are constantly looking for ways to streamline operations and cut costs, while maintaining strict performance requirements. Lenovo designed the RD230 with these needs in mind. Using the latest Intel® Xeon® processors with up to 12 CPU cores, the RD230 is up to 60% faster than previous generation servers.

However, the RD230 will not break the bank. Designed to keep the costs down yet feature the most valued functions and options, the RD230 optimizes server performance and value. Featuring built in web remote management, advanced RAID and popular server options, the RD230 performs from day one.

The balance of features and value make the RD230 ideal for solutions like IT infrastructure (domain controllers, firewalls), web and application server farms and file/print solutions.

TOP REASONS TO OWN

- UP TO 60% FASTER THAN PREVIOUS GENERATION SERVERS
- ADVANCED RAID BUILT IN TO EVERY MODEL
- INTEGRATED WEB-ENABLED REMOTE MANAGEMENT
- UP TO 8TB OF SCALABLE STORAGE

IMPRESSIVE FEATURES

Powerful Computing

Built on the latest Intel® platform, the RD230 can easily power most demanding applications such as Media Streaming, WebApp Clusters and infrastructure solutions. It offers the following benefits:

- **Faster Computing**
  Powered by the latest Intel® Xeon® processors with up to 12 CPU cores, the RD230 performs 60% faster than previous generation servers and provides the enhanced computing power required for increasingly demanding applications
- **Increased Memory**
  With 8 memory slots and a scalable memory capacity of 64GB. The ThinkServer RD230 offers the horsepower required for increasingly demanding workloads
- **Popular Storage Technology**
  The RD230 offers scalable storage capacity up to 8TB and a choice of high-performance SAS hard drives or low-cost SATA hard drives, providing storage scalability to grow within your solution needs
- **Worry-Free Scalability**
  The RD230 offers built-in hot swap capability, allowing you to remove and insert hard drives without having to power down the server optimizing server up time
- **Advanced Data Protection**
  The RD230 comes standard with advanced SATA RAID (0, 1, 5, 10), providing advanced data protection right out of the box. With options for advanced SAS/SATA RAID available, you can set just the right balance between performance and capacity

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

Server Management made Simple

The RD230 comes standard with the web-enabled remote management, giving you complete round-the-clock access to your server from any location. With the RD230 you enjoy:

- **Anytime Management**
  With the web-enabled iBMC standard, you can receive quick alerts anytime and anywhere
- **iKVM Upgrade**
  Keyboard, video and mouse remote control to optimize server settings, diagnose issues and fix from anywhere at anytime
- **Easy Installation**
  The TD230 integrates easily with Lenovo's ThinkVantage® Technologies and supports a 2-click rapid deployment feature using the EasyStartup tool

SERVICE OFFERINGS

BASE WARRANTY

- 1-year onsite
- 3-year onsite

WARRANTY EXTENSIONS AND PRODUCT SUPPORT

- ThinkPlus® Priority Support consolidated HW/SW support
  - » 3/5-year ThinkPlus Priority Support
  - » 3/5-year ThinkPlus Priority with Hard Disk Drive Retention
- 3/5-year 9x5 Onsite Next Business Day (NBD)
- 3/5-year Hard Disk Drive Retention
- 4-hour onsite service response upgrades available via special bid in select locations

UP AND RUNNING SOLUTION BUNDLES

ThinkPlus Productivity includes:

- 3-year ThinkPlus Priority Support
- One-time server hardware installation service
- One-time online training – ThinkServer fundamentals
- Lenovo Professional Services – migration, security, continuity

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Ideal Solution for you

The RD230 is ideal for you if you are looking to future proof your purchase with a server that grows with your business and powers your demanding applications.

- **Corporate Branch Office**
  The RD230 is an ideal IT infrastructure server or WebApp server providing powerful computing and throughput performance, simple to use management. Perfect for a corporate branch office or growing enterprise
- **Enterprise IT Infrastructure**
  With up to 12 cores, the RD230 delivers uninterrupted performance for web applications and as a domain controller, firewall or file/print server
- **Healthcare Solution for Collaboration**
  Whether it's simple e-mail or critical real time collaboration required for consultation, the RD230 provides data reliability and security features that ensure there is no downtime

- **Government Institutions:**
  The ThinkServer® RD230 is an ideal web cluster server that provides enhanced manageability and scalability as needed. TAA compliant, the RD230 provides the right balance of performance and value for any government budget
- **Select Applications or Solutions:**
  Whether used for WebApp clusters, as an e-mail/collaboration software server or for streaming media, the RD230 is perfect fit for your IT infrastructure

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THERE'S MORE THINKING IN A ThinkServer®

THE LENOVO® THINKSERVER® RD230 SPECIFICATIONS

DESCRIPTION	RD230

Processor	• Intel® Xeon® 5500 series
	  » Intel® Xeon® E5503
	  » Intel® Xeon® E5506
	  » Intel® Xeon® E5507
	
	• Intel® Xeon® 5600 series
	  » Intel® Xeon® E5603
	  » Intel® Xeon® E5606
	  » Intel® Xeon® E5607
	  » Intel® Xeon® E5645
	  » Intel® Xeon® E5649
	  » Intel® Xeon® X5672
	  » Intel® Xeon® X5675
	  » Intel® Xeon® E5620
	  » Intel® Xeon® E5630
	  » Intel® Xeon® E5640
	  » Intel® Xeon® X5650
	  » Intel® Xeon® X5660
	  » Intel® Xeon® X5667
	  » Intel® Xeon® X5670
	  » Intel® Xeon® L5609

Software	• Genuine Windows Server® 2008 Standard Edition R2 • Genuine Windows Server® 2008 Enterprise Edition R2 • Genuine Windows Server® Small Business Server 2008 Standard (SP2) • Genuine Windows Server® Small Business Server 2008 Premium (SP2) • Novell® SUSE® 11 • Red Hat® Enterprise Linux® 6 • VMWare® vSphere™ 4.0
Chipset	• Intel® 5500+ ICH10R
Form Factor	• 2P1U rack optimized
Memory	• 1333Mhz DDR3 Registered RDIMMs (ECC) • 8 slots (64GB Max)
I/O Slots	• 1 x PCIe (x16) (half length/full height)
Ethernet	• Dual Integrated Gigabit Ethernet
Storage Bays	• 4 x 3.5" SAS/SATA hot swap
Raid	• SATA 0, 1, 5, 10 (chipset) • SAS/SATA 0, 1, 5, 10 (HW)
Optical Drives	• DVD-RW
I/O Ports	• 7 x USB 2.0 (2 front, 4 rear and 1 internal) • 1 x Serial port (rear) • 1 x VGA connector (rear)
Management	• Web Enabled, iBMC Standard • iKVM Management option
Power	• 600W Fixed

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

THE LENOVO® THINKSERVER® RD230 OPTIONS

PROCESSORS

Intel® Xeon® Processors – multi-threading and high performance

67Y1483   Intel® Xeon® E5503 Processor Option Kit
67Y1484   Intel® Xeon® E5506 Processor Option Kit
67Y1488   Intel® Xeon® E5640 Processor Option Kit
67Y1490   Intel® Xeon® X5650 Processor Option Kit
67Y1492   Intel® Xeon® E5620 Processor Option Kit
67Y1493   Intel® Xeon® E5507 Processor Option Kit
0A89392   Intel® Xeon® E5603 Processor Option Kit
0A89393   Intel® Xeon® E5606 Processor Option Kit
0A89394   Intel® Xeon® E5607 Processor Option Kit
0A89395   Intel® Xeon® E5645 Processor Option Kit

MEMORY

ThinkServer DDR3 Memory – high performance, low cost

67Y1432   ThinkServer 2GB DDR3 – 1333MHz (2Rx8) ECC RDIMM
67Y1433   ThinkServer 4GB DDR3 – 1333MHz (2Rx4) ECC RDIMM
67Y1464   ThinkServer 8GB DDR3 – 1333MHz (2Rx4) ECC RDIMM

HARD DISK DRIVES

ThinkServer SATA Hard Disk Drives – enterprise-class reliability

67Y1400   ThinkServer 250GB 7.2K RPM 3.5" SATA Hard Drive
67Y1401   ThinkServer 500GB 7.2K RPM 3.5" SATA Hard Drive
67Y1402   ThinkServer 1TB 7.2K RPM 3.5" SATA Hard Drive
67Y2642   ThinkServer 2TB 7.2K RPM 3.5" SATA Hard Drive

ThinkServer SAS Hard Drives – performance

67Y1437   ThinkServer 300GB SAS 15K 6Gbps Hard Drive (HS)
67Y1462   ThinkServer 450GB SAS 15K 6Gbps Hard Drive (HS)
67Y2644   ThinkServer 600GB SAS 15K 6Gbps Hard Drive (HS)

RAID OPTIONS

ThinkServer RAID Options – increase data availability

67Y1494   ThinkServer 8708ELP RAID Controller
67Y1495   ThinkServer 8708ELP RAID Battery
67Y2639   ThinkServer 8708EM2 RAID Adapter
67Y2640   ThinkServer 8708EM2 RAID Battery

ETHERNET

ThinkServer Networking Options – high-performance Ethernet

67Y1393   Lenovo PRO/1000 PT Dual Port Ethernet Adapter

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