THE LENOVO® THINKSERVER® RD230

POWERFUL COMPUTING AND FEATURES IN A COMPACT DESIGN

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

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.

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. 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

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

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 RD230 integrates easily with Lenovo's ThinkVantage® Technologies and supports a 2-click rapid deployment feature using the EasyStartup tool

SERVICE OFFERINGS

- **Base Warranty**

  3-year onsite

- **Warranty Extensions and Product Support**
- 5YR Onsite Next Business Day
- 4YR Onsite Next Business Day + 4YR Priority Support
- 5YR Onsite Next Business Day + 5YR Priority Support
- 3YR Priority Support
- 3YR Priority Support + 3YR Hard Drive/Solid State Drive Retention
- 5YR Priority Support

PROCESSORS

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

67Y1483 Intel® Xeon® E5503 processor Option kit for ThinkServer
67Y1484 Intel® Xeon® E5506 processor Option kit for ThinkServer
67Y1485 Intel® Xeon® L5609 processor Option kit for ThinkServer
67Y1486 Intel® Xeon® X5670 processor Option kit for ThinkServer
67Y1487 Intel® Xeon® X5667 processor Option kit for ThinkServer
67Y1489 Intel® Xeon® X5660 processor Option kit for ThinkServer
67Y1490 Intel® Xeon® X5650 processor Option kit for ThinkServer
67Y1491 Intel® Xeon® E5630 processor Option kit for ThinkServer
67Y1488 Intel® Xeon® E5640 processor Option kit for ThinkServer
67Y1492 Intel® Xeon® E5620 processor Option kit for ThinkServer
67Y1493 Intel® Xeon® E5507 processor Option kit for ThinkServer
0A89392 Intel® Xeon® E5603 Processor Option kit for ThinkServer
0A89393 Intel® Xeon® E5606 Processor Option kit for ThinkServer
0A89394 Intel® Xeon® E5607 Processor Option kit for ThinkServer
0A89395 Intel® Xeon® E5645 Processor Option kit for ThinkServer
0A89396 Intel® Xeon® E5649 processor Option kit for ThinkServer
0A89397 Intel® Xeon® X5672 Processor Option kit for ThinkServer
0A89398 Intel® Xeon® X5675 Processor Option kit for ThinkServer

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)

ETHERNET

ThinkServer Networking Options – high-performance Ethernet

67Y1393 Lenovo PRO/1000 PT Dual Port Ethernet Adapter

RAID OPTIONS

ThinkServer RAID Options – increase data availability

67Y2639 ThinkServer 8708EM2 RAID Adapter
67Y2640 ThinkServer 8708EM2 RAID Battery
67Y2646 ThinkServer RAID 700 Adapter (9260-8i)
67Y2647 ThinkServer RAID 700 Battery

SPECIFICATIONS

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)
Genuine Windows® Small Business
Server® 2011 Essentials
Genuine Windows® Small Business
Server® 2011 Standard

Genuine Windows® Small Business
Server® 2011 Premium Add-on
Novell® SUSE® 11
Red Hat® Enterprise Linux® 6
VMWare® ESXi 5.0

PROCESSOR

DC E5503 Intel® Xeon® Processor E5503
(4M Cache, 2.00 GHz, 4.80 GT/s
Intel® QPI)
QC E5603 Intel® Xeon® Processor E5603
(4M Cache, 1.60 GHz, 4.80 GT/s
Intel® QPI)
QC E5607 Intel® Xeon® Processor E5607
(8M Cache, 2.26 GHz, 4.80 GT/s
Intel® QPI)

QC E5620 Intel® Xeon® Processor E5620
(12M Cache, 2.40 GHz, 5.86 GT/s
Intel® QPI)
6C E5645 Intel® Xeon® Processor E5645
(12M Cache, 2.40 GHz, 5.86 GT/s
Intel® QPI)

6C X5650 Intel® Xeon® Processor X5650
(12M Cache, 2.66 GHz, 6.40 GT/s
Intel® QPI)
QC E5607 Intel® Xeon® Processor E5607
(8M Cache, 2.26 GHz, 4.80 GT/s
Intel® QPI)

MEMORY	FORM FACTOR	CHIPSET
1333MHz DDR3 Registered RDIMMs (ECC) 8 slots (64GB Max)	2P1U rack optimized	Intel® 5500+ ICH10R

I/O SLOTS	ETHERNET	STORAGE BAYS
1 x PCIe (x16) (half length/full height)	Dual Integrated Gigabit Ethernet	4 x 3.5" SAS/SATA hot swap

RAID	ETHERNET	OPTICAL DRIVES
Chipset SATA Controller (0,1,5,10) LSI MegaRAID 8708EM2 SAS RAID w/ battery RAID 700	Dual Integrated Gigabit Ethernet	DVD-RW

I/O PORTS	POWER	
7 x USB 2.0 (2 front, 4 rear and 1 internal) 1 x Serial port (rear) 1 x VGA connector (rear)	600W Fixed	

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