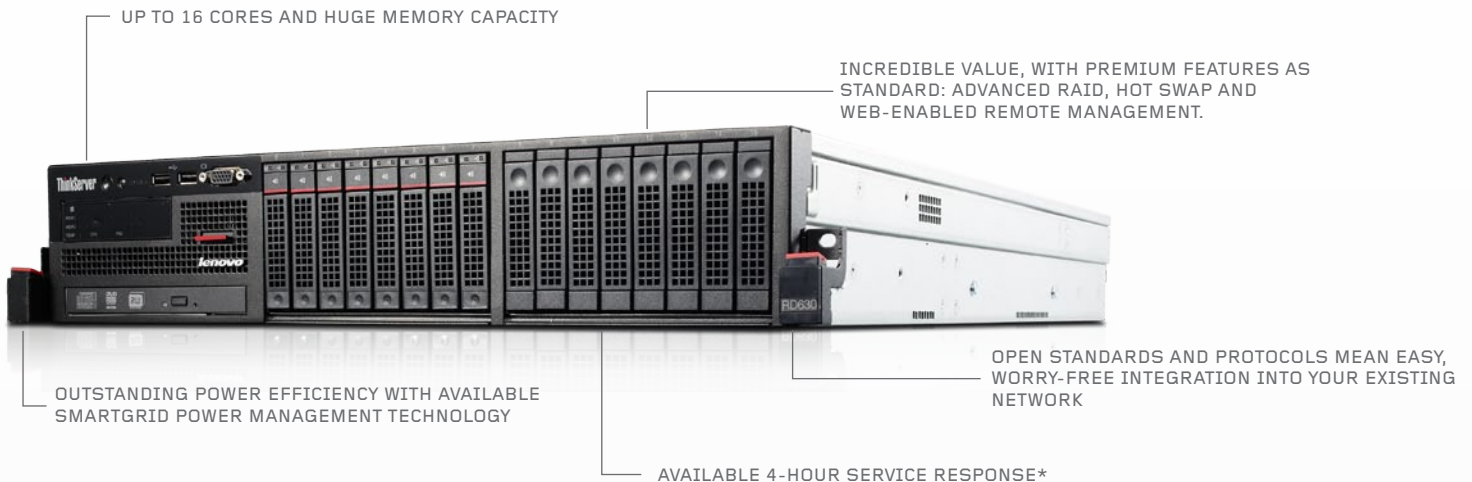


THE LENOVO® THINKSERVER® RD630

ENTERPRISE PERFORMANCE.
OUTSTANDING EFFICIENCY.



The ThinkServer RD630 offers unmatched power efficiency with exclusive Lenovo SmartGrid technology. These high performance dual socket rack servers deliver extensive manageability tools, enormous scalability and fit easily into hybrid network environments.

WHY CHOOSE THINKSERVER RD630?

No-Compromises Performance for Decision Support

Choose ThinkServer RD630 when you need world-class reliability in a highly scalable, powerful 2U solution. It's ideal for business process or decision support deployments, where you demand rich performance, flexible system configurations and an optimized memory sub-system. All this with the legendary Think reliability you trust. RD630 features built-in full redundancy and sophisticated hardware RAID on every model – your managed networks and user groups enjoy vault-safe data protection and lightning-fast data performance. RD630 offers outstanding remote manageability, an array of network adapter choices and rich I/O. It's a perfect fit for high performance workloads where you rely on robust bandwidth yet with energy efficient design innovation. Go ahead, install RD630 in your existing network. Its open standards design and IPMI 2.0 compliant protocols ensure worry-free integration into your hybrid network environments. RD630 works with your existing tools, management consoles and storage devices. It powers your demanding decision support apps with ease.

Ideal for Collaboration and Infrastructure

Leveraging the latest generation Xeon E5 2600 processing performance, the RD630 is ideal for collaboration-intense deployments. Go ahead -- load it up with bandwidth-hungry apps. With up to 16 cores, flexible system configurations and enormous memory capacity, the RD630 delivers outstanding compute power that's ideal for IT infrastructure and database applications. All that performance isn't just a processor tweak. The latest Xeon E5-2600 technology offers up to 80% greater performance versus previous generation servers – a perfect fit for the demanding apps which you're trusted to manage.

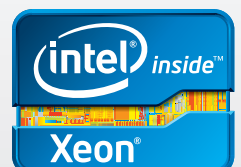
Database-Ready

The ThinkServer RD630 is loaded with the database-centric features you demand. With up to 16TB capacity, outstanding I/O expansion and hot-swap, front-access drives, it offers a feature-rich solution that makes manageability a snap. Front-side Intelligent Diagnostics provide convenient, confident at-a-glance management. Configure your RD630 with cost-effective SATA, robust SAS or latest generation SSD choices, depending on your usage needs. Its enormous capacity and outstanding RAID protection on all models means you won't compromise on storage nor data protection. Deploying ThinkServer RD630 as your next generation database server satisfies the demands of your collaborative user groups AND allows you to rest easy. Smart move.

Innovative Power Management

Enjoy impressive power savings with ThinkServer SmartGrid power management technology. Based on Intel Power Node Manager® technology, SmartGrid scales power management to the datacenter level, simultaneously managing as many as 1,000 servers. Use SmartGrid at any level of your datacenter hierarchy: rack, row, room or group. It provides sophisticated, policy-based, dynamic power capping tools to help you best manage power to changing server workloads. It's innovation that matters, ThinkServer technology that pays you back.

* Available in select countries



WHAT MAKES A THINKSERVER THINK?

Outstanding Efficiency and Value

Highly Efficient:

ThinkServers deliver world-class power efficiency – up to 45% more efficient than previous generation servers. Innovative Smart Grid® power management provides policy-based, rack-level power management to significantly lower your energy consumption. Energy Star™ certified choices 80+ Gold-rated power supplies and optional low voltage memory provide trusted efficiency and value.

Outstanding Value:

ThinkServer delivers the performance and reliability you demand, nicely configured as standard. It's everything you need in a durable, highly manageable server, and nothing you don't.

Standard rack features include advanced RAID, rail kits, onboard diagnostics, hot swap support and web enabled remote management. Feature rich performance, right out of the box. That's what makes a ThinkServer Think.

Legendary Think Reliability

Business-Critical Reliability:

Legendary Think quality resonates in our ThinkServer portfolio -- outstanding thermal efficiency, and enterprise-tough design give you confident, highly reliable performance. Redundant power and advanced RAID choices offer ideal protection in demanding 24/7 deployments. Rest easy, ThinkServers are designed for rugged use, with vibration-resistant, shock-proof drive carriers and robust chassis designs.

Enterprise-Grade Manageability:

Management made easy – ThinkServers offer front-side powerful Easy Manage tools for quick monitoring. Common feature set, BIOS and tools across models provides intuitive, easy maintenance.

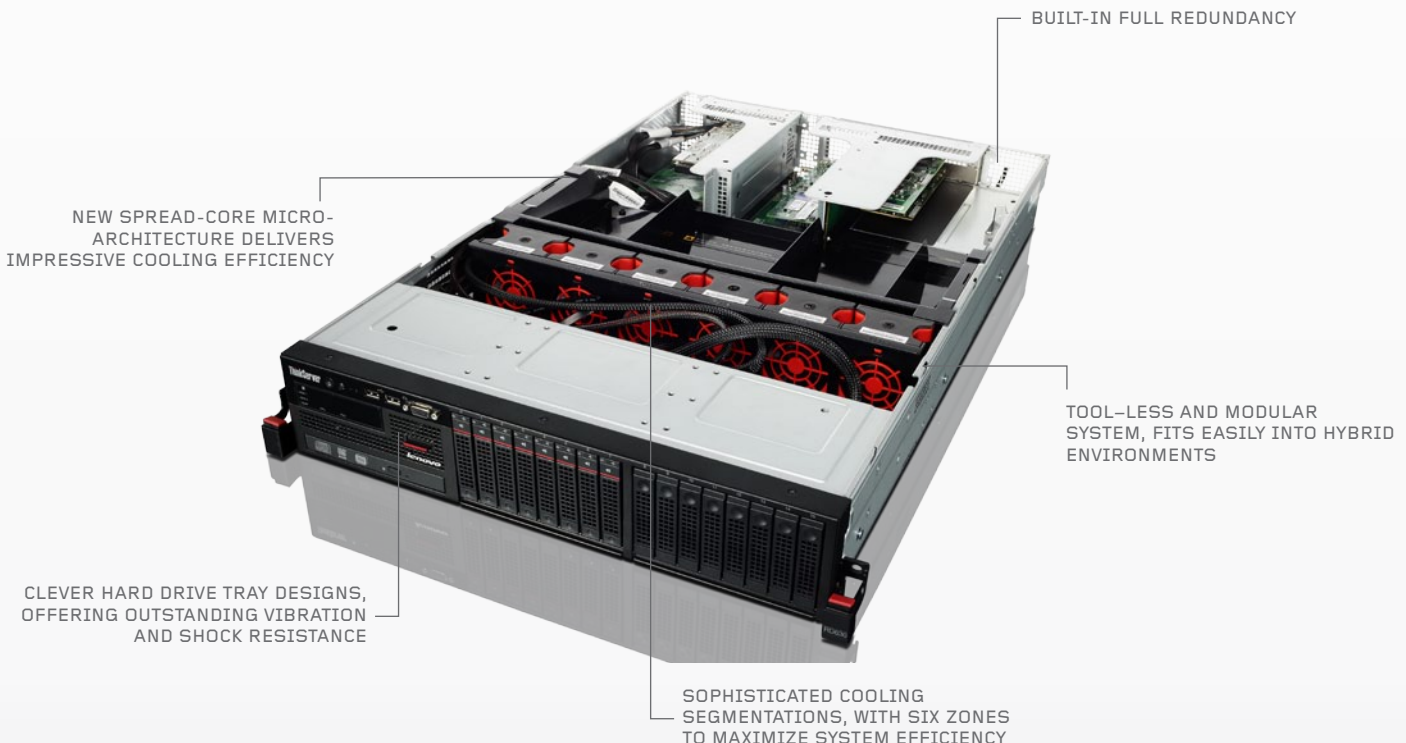
Open Standards and Easy Serviceability

Open Standards:

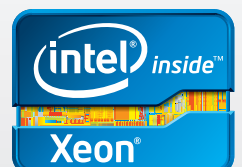
ThinkServers fit anywhere. With industry standard protocols and IPMI 2.0 compliant interfaces you enjoy worry free, easy integration into your existing server networks. Don't be locked into proprietary server choices – ThinkServer RD630 works with the tools you use and rely on. Keep your existing management console and storage preferences.

Easy Serviceability:

Servicing your ThinkServer is easy, with simple 3-step rack installation. Extensive shared parts between platforms make it simple to service components and make upgrades. And, expert help is available fast when you need it – ThinkServer offers rapid 4-hour service response.



THE LENOVO® THINKSERVER® RD630



SPECIFICATIONS

OS SUPPORT

Windows Server 2008 -- x86 Edition (Standard / Enterprise / Datacenter)
 Windows Server 2008 -- x64 Edition (Standard / Enterprise / Datacenter)
 Windows Server 2008 R2 -- x64 Edition (Standard / Enterprise / Datacenter)
 Windows Server 2008 R2 SP1 -- x64 Edition (Standard / Enterprise / Datacenter)
 Windows Small Business Server 2011(Standard / Premium Add On)
 Novel SUSE Linux Enterprise Server (11.1 / 11.2)⁴
 RedHat Enterprise Linux Server (5.7 / 6.1)
 VMWare vSphere 5
 Microsoft Hyper-v Server 2008
 Microsoft Hyper-v Server 2008 R2 with SP1

CPU

Dual socket.
 Intel Xeon E5-2600 series,
 up to 135W choices

STORAGE

8x3.5" HDD – up to 16TB internal SATA storage or 4.8TB internal SAS storage
 8x or 16x** 2.5" HS HDD – up to 14.4TB internal SAS storage

CHIPSET

Intel C602

POWER

1+1 Redundant Power – 800W (80Plus Gold),
 Energy Star Server 1.1 compliant

MEMORY

20 DIMM sockets – up to 320GB¹
 - RDIMM and LV RDIMM DDR3-1333
 Memory DIMM
 - 2G/4G/8G/16G RDIMM
 - 2G/4G/8G/16G LV RDIMM
 RAS: ECC, Lock step, Mirroring, Sparing
 CPU 1: 12 memory slots (4 channel)
 CPU 2: 8 memory slots (4 channel)

STORAGE CONTROLLER RAID

ThinkServer RAID 500 Adapter: Hardware SAS/SATA supports RAID 0,1,10
 Optional ThinkServer RAID 500 RAID 5 upgrade key

ThinkServer RAID 700 Adapter:
 Hardware SAS/SATA supports RAID 0/1/5/10/6/50/60 has 512MB cache
 Optional ThinkServer RAID 700 battery

I/O CONNECTORS

Dual ports 10/100/1000 Intel i350 PHYs
 One dedicated/shared management LAN (Intel 82574)
 Front: 2x USB2.0, 1x VGA
 Rear: VGA, COM, 4x USB2.0,
 Internal: 2x USB(2x5), 2x USB(typeA), 1x TPM/TCM

CHASSIS

2U Rack mountable

COOLING

5 + 1 Hot-swap redundant fans³

I/O EXPANSION SLOTS

PCIe GEN3/1 CPU:
 1 x LP x8 mechanical, x8 electrical
 1 x FH/HL x16 mechanical, x16 electrical***
 1 x FH/HL x8 mechanical, x8 electrical
 PCIe GEN3/2 CPU:
 1 x LP x8 mechanical, x8 electrical
 1 x FH/HL x16 mechanical, x16 electrical***
 1 x FH/HL x16 mechanical, x8 electrical
 2 x FH/HL x8 mechanical, x8 electrical

DIAGNOSTICS

Intelligent Diagnostics Panel
 Intelligent Diagnostics Premium (optional)

MANAGEMENT

ThinkServer Management Module (iBMC)
 ThinkServer Management Module Premium (iKVM)

MANAGEABILITY/RAS/SERVICE

Optional Remote Management / KVM
 IPMI 2.0 / SOL
 TPM (Supports TCG 1.2)
 uEFI

DIMENSIONS /WEIGHTS

442mm (W) x 87.6mm (H) x 720.6mm (D)
 Max 26.5kg



1 – when installing LV RDIMM memory, a maximum of 16 DIMMs can be populated.
 2 – Does not support redundant function when using 130W 4 core CPU
 3 Fans are not redundant when using 130W processors or greater
 4 Support for SUSE Linux 11.2 will be available in Fall 2012
 * 11.2 support will be available in Fall 2012
 ** ship support for 16 x HDD will be available Summer 2012
 *** Populated with hardware RAID adapter (choose either ThinkServer RAID 500 adapter or ThinkServer RAID 700 adapter)



OPTIONS AND ACCESSORIES

RAID OPTIONS

Ensure that your data is protected in the event of a sudden power failure with the optional ThinkServer RAID 700 Battery. Gain piece of mind knowing your unwritten information in the controller cache is protected for up to 48 hours.



The ThinkServer RAID 500 Upgrade Key for Advanced RAID is a low cost SATA/SAS Solution that provides RAID levels 5 and blazing fast 6GB/s per port data transfer rates.

ThinkServer RAID 500 Upgrade Key for RAID 5 - 0A89601

ThinkServer RAID 700 Battery - 67Y2647

ThinkServer 800W Hot Swap Redundant Power Supply - 0A89426

Need Powerful, yet energy efficient performance?

Need a cost effective way to reduce your chances of downtime and lost revenue?

A Redundant Power Supply to help prevent loss of server up time due to power supply failure

They are easily replaced with the server up and running in a redundant configuration

They provide Peace of mind in the event of a single power supply failure



ThinkServer Management Controller Premium - 67Y2624

- Secure Web server user interface
- IPMI Serial over LAN
- Access to critical server settings
- Continuous health monitoring and control
- Automatic notification and alerts, Remote power control
- Remote Keyboard, Video, Mouse (KVM)



ETHERNET

- Industry-leading, energy-efficient next-generation performance.
- Low profiles enable higher bandwidth and throughput.
- Load balancing on multiple CPUs increases performance on 2P systems.
- High-performing, 10/100/1000 Ethernet connections.
- Reliable and proven Gigabit Ethernet technology from Intel Corporation.
- Scalable PCI Express interface provides dedicated I/O.
- Optimized for virtualized environments.



Lenovo Gigabit ET Dual Port Server Adapter by Intel - 0A89423

Lenovo Ethernet I340 Quad Port Server Adapter by Intel - 0A89424

Lenovo 10Gbps Ethernet X520-T2 Server Adapter by Intel - 0A89425

LENOVO SERVICES

Lenovo offers a comprehensive portfolio of award-winning services to support and protect your ThinkServer investment. Succeed with substance, and let Lenovo's Service support you all the way.

Priority Technical Support

Makes your priority, our priority. 24x7 priority call routing to advanced-level technicians, electronic incident tracking, and escalation management services

- 24x7 technical phone support
- Priority call routing
- Advanced level technicians
- Basic usage and software installation support
- * Web based tracking of issues and resolutions

Warranty Upgrades - Onsite and Next Business Day

Maximizes PC uptime and productivity by providing convenient, fast repair service at your place of business.

Warranty Extensions (1 to 5 Years Total Duration)

This fixed-term, fixed-cost service helps accurately budget for PC expenses, protect your valuable investment, and potentially lower the cost of ownership over time.



RECOMMENDED SERVICES

Lenovo
Services

3 Year On-site Warranty Upgrade with 24 x 7 4-Hour Response & Priority Technical Support*

PART NUMBER: 04W9750

PRICE: US \$1,300

CANADA \$1,400

* Compatible with RD Series Servers with 3 Year Next Business Day On-site Base Warranty
Compatible with Machine Types: 2579,2592, 2594, 2595, 2570, 2573, 2575, 2576

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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, 500 Park Offices Drive, RTP, NC, 27709, Attn: Dept. ZPYA/B600. Lenovo makes no representation or warranty regarding third-party products or services. **Trademarks:** Lenovo, the Lenovo logo, ThinkServer are trademarks or registered trademarks of Lenovo. Microsoft, Windows, and Vista are registered trademarks of Microsoft Corporation. Intel, the Intel logo, Intel Core, Core Inside, Xeon and Xeon Inside are registered trademarks of Intel Corporation in the U.S. and other countries. Other company, product, and service names may be trademarks or service marks of others. Visit www.lenovo.com/safecomputing periodically for the latest information on safe and effective computing.

