THE LENOVO® THINKSERVER® RD330

FEATURE-RICH. INCREDIBLE VALUE.

16 CORE XEON PERFORMANCE, PERFECT FOR EVERY DAY COMPUTING

OUTSTANDING VALUE. PACKED WITH STANDARD FEATURES AT BUDGET-FRIENDLY PRICES.

RAPID 4-HOUR SERVICE RESPONSE WHEN YOU NEED IT*

OPEN STANDARDS DESIGN FOR EASY INTEGRATION INTO HYBRID NETWORKS

ENORMOUS POWER EFFICIENCY GAINS, SIGNIFICANTLY MORE POWERFUL VS PREVIOUS GENERATION SERVERS
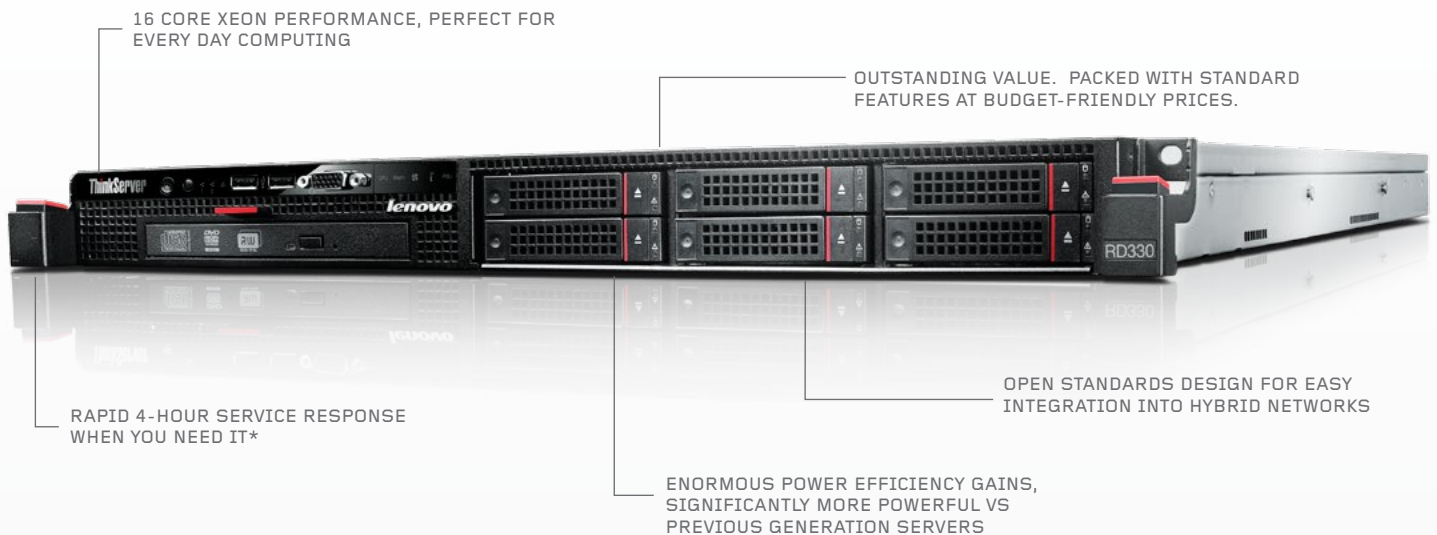
The ThinkServer RD330 offers a highly efficient, value-priced 1U rack solution that's loaded with built-in features. Its enterprise-grade serviceability and legendary Think reliability make it an outstanding value that pays you back.

WHY CHOOSE THINKSERVER RD330?

Defining a Higher Level of Value

When you think of great value in servers, you expect a rich feature set for attractive prices that are easy on your budget. Consider the all-new ThinkServer RD330. It features the latest generation dual socket Xeon E5-2400 computing technology that's up to xx% faster than previous generation servers. With up to 16 cores, flexible system configurations and generous memory capacity, you enjoy enterprise-tough performance in a power-efficient yet scalable 1U solution. And, don't forget about value. Every RD330 offers an extensive list of standard features and highly scalable SAS or SATA storage choices. With built-in RAID, sophisticated cooling technology and advanced spread core micro-architecture, the RD330 delivers world-class power efficiency and reliability you demand. Coupling these features with the latest Xeon performance and the legendary Think quality you trust makes RD330 a perfect solution for your rack deployment needs.

* 4-hour service response available in select countries; ask your Lenovo sales representitive for details

Impressive Technology That Pays you Back

The ThinkServer RD330 offers the latest generation E5-2400 Xeon 2P performance for outstanding productivity. It features world-class power efficiency, 80+ Gold power choices, hot swap redundant power and an innovative spread-core board design that helps to lower thermal output. And, all that adds up to a highly efficient, power-sipping 1U solution which doesn't compromise on performance. Install the RD330 in your existing racks with no worries. It features industry-standard, IPMI 2.0-compliant management interfaces and protocols to make installation and integration a snap. The RD330 provides a simple, 3-step installation and comes loaded with a lengthy list of standard features that provide an impressive value. Rest easy. The RD330 continues the world-class design heritage and legendary quality you trust from the makers of Think products. It's a winning choice for your rack deployments, whether small or large.

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, group, etc. 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.
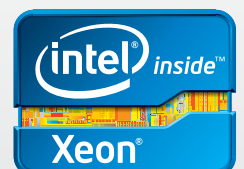
WHAT MAKES A THINKSERVER THINK?

Outstanding Efficiency and Value

Highly Efficient:

ThinkServer delivers 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 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 onboard 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, remarkably quiet Acoustics 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 is designed for rugged use, with vibration-resistant, shock-proof drive carriers and robust chassis designs.

Enterprise-Grade Manageability:

Management made easy – ThinkServer offers powerful Easy Manage tools for quick monitoring. Common feature set, BIOS and tools across models provides intuitive, easy maintenance.
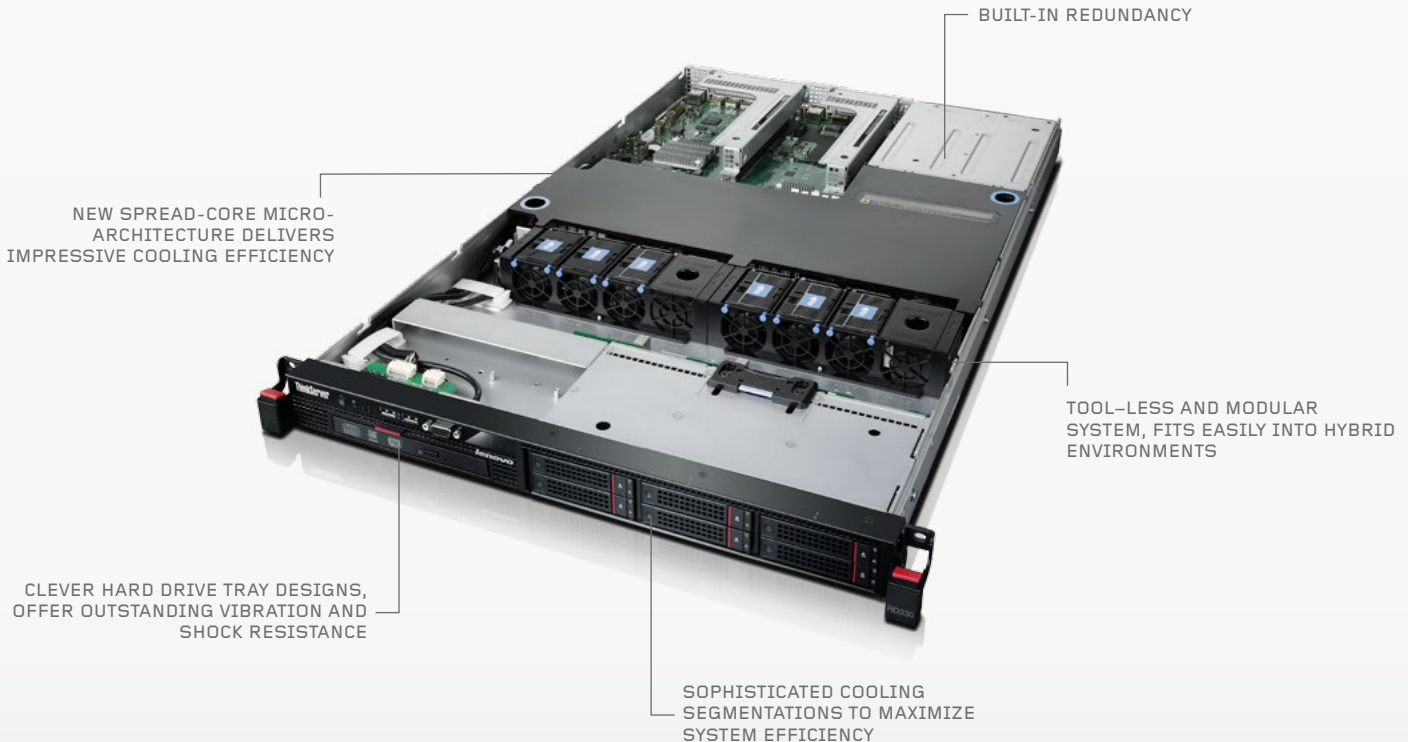
Open Standards and Easy Serviceability

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 – ThinkServers work with the tools you use and rely on. Keep your existing management console and storage preferences.

Easy Serviceability:

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

BUILT-IN REDUNDANCY

NEW SPREAD-CORE MICRO-ARCHITECTURE DELIVERS IMPRESSIVE COOLING EFFICIENCY

TOOL–LESS AND MODULAR SYSTEM, FITS EASILY INTO HYBRID ENVIRONMENTS

CLEVER HARD DRIVE TRAY DESIGNS, OFFER OUTSTANDING VIBRATION AND SHOCK RESISTANCE

SOPHISTICATED COOLING SEGMENTATIONS TO MAXIMIZE SYSTEM EFFICIENCY

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THE LENOVO® THINKSERVER® RD330

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 E5-2400 series, up to 95W choices

STORAGE

4x 3.5'' HS HDD Bays – up to 8TB internal SATA storage or 2.4TB internal SAS storage

6x 2.5'' HS HDD Bays – up to 5.4TB* internal SAS storage

CHIPSET

Intel C600

POWER

1+1 Redundant Power – 550W (80Plus Gold), Energy Star Server 1.1 compliant

MEMORY

12 DIMM sockets - up to 192GB
- 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

STORAGE CONTROLLER

ThinkServer RAID 300 adapter (RAID 0/1/10)*
Optional RAID 300 Upgrade Key (RAID 5)

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
* ThinkServer RAID 300 supports up to 8 HDDs.

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

1U Rack mountable

COOLING

6 fixed fans[3]

DIAGNOSTICS

Intelligent Diagnostics Panel

MANAGEABILITY/RAS/SERVICE

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

I/O EXPANSION SLOTS

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

DIMENSIONS /WEIGHTS

436mm (W) x 43.6mm (H) x 720.6mm (D)
Max 17kg

* 900GB 2.5'' SAS hard drive choices will be available Fall 2012

4 Support for SUSE Linux 11.2 will be available in Fall 2012
** Populated with hardware RAID adapter (choose either ThinkServer RAID 500 adapter or ThinkServer RAID 700 adapter)

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OPTIONS AND ACCESSORIES

RAID OPTIONS

With data storage requirements ever increasing, having a solution that meets your performance and availability requirements is crucial. Designed to be cost-effective and enhance uptime, ThinkServer RAID controllers offer a new level of reliability and availability for your business.

ThinkServer RAID 300 Upgrade Key for Advanced RAID - 0A89422

ThinkServer RAID 500 Adapter - 0A89464

ThinkServer RAID 500 Upgrade Key for Advanced RAID - 0A89407

ThinkServer RAID 700 Adapter - 0A89463

ThinkServer RAID 700 Battery - 67Y2647

ThinkServer 550W Hot Swap Redundant Power Supply - 0A89427

Need powerful, yet energy efficient performance? Need a cost effective way to reduce your chances of downtime and lost revenue? A Redundant Power Supply can help prevent loss of server up-time in the event of a power supply failure. Always have a safety net to provide piece of mind knowing that your data is even more secure.

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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