

LENOVO® THINKSERVER® RD440

STORAGE-RICH. REMARKABLE VALUE.



The Lenovo ThinkServer RD440 is a value-priced, 2U rack server offering impressive storage capacity, easy manageability, and power-saving features.

STORAGE RICH

The Lenovo ThinkServer RD440 is a dual-socket, 2U server that offers flexible configuration options so you can create the right system for your needs. If you're a small-to medium-sized business, you'll love this server for its large, cost-effective storage capacity — up to 48TB — with a wide array of hot-swap hard-disk and solid-state drive choices. An integrated RAID storage controller with up to RAID 10 capability is standard to keep your business-critical data safe. For more protection, upgrade your ThinkServer RAID adapter to give you additional RAID levels and optional battery backup and performance-enhancing features. In addition to being perfect for your infrastructure, collaboration, and line-of-business applications, the RD440 is also great for web serving and hosting.

OPEN AND EASY TO MANAGE

One of the most important features of the RD440 — and all ThinkServer systems — is that it uses open industry standards and protocols so it integrates easily into your multi-vendor environment. That means you can use your existing management tools with the RD440 or try ours at no additional charge. In addition to a front-side diagnostic panel, the RD440 offers a suite of intuitive ThinkServer lifecycle tools that make management easy so you can focus on IT projects that drive your business. These tools include configuration, firmware, and rack power optimizers, as well as a way to conveniently search for, monitor, and manage your servers.

SMART POWER MANAGEMENT

Let the Lenovo Smart Grid power management tool help you save on power. Monitor real-time power data based on parameters you define and receive alerts based on custom power events. Smart Grid scales with you and can manage up to 1,000 nodes. It provides sophisticated, policy-based, dynamic power capping functionality to help you better manage power to changing server workloads. The latest version of Smart Grid includes user-interface enhancements and the capability to monitor temperature and report on hot spots, as well as new data center physical layout and management features. It's smart technology that pays you back.



SPECIFICATIONS

FORM FACTOR/HEIGHT 2U Rack	PROCESSOR Up to 2 Intel Xeon E5-2400 v2 Series	MEMORY Up to 192GB / 12 slots (LV RDIMM)
OPERATING SYSTEMS SUPPORTED Microsoft Windows Server 2012 R2 Microsoft Windows Server 2012 Microsoft Windows Server 2008 R2 Microsoft Windows Server 2008 Microsoft Windows Small Business Server 2011 Novel SUSE Linux Enterprise Server Red Hat Enterprise Linux Server VMware ESXi Citrix XenServer	EXPANSION SLOTS With 1 CPU installed: 1 x PCIe Gen3 : FH/HL x16 mechanical, x8 electrical 1 x PCIe Gen3 : FH/HL x8 mechanical, x8 electrical 1 x PCIe Gen3 : LP x8 mechanical, x4 electrical 1 x PCIe Gen2 : FH/HL x8 mechanical, x4 electrical With 2 CPUs installed: 2 x PCIe Gen3 : FH/HL x16 mechanical, x8 electrical 2 x PCIe Gen3 : FH/HL x8 mechanical, x8 electrical 1 x PCIe Gen3 : LP x8 mechanical, x4 electrical 1 x PCIe Gen2 : FH/HL x8 mechanical, x4 electrical	STORAGE CONTROLLER CHOICES Integrated ThinkServer RAID 300 (0/1/10/5*) ** Optional ThinkServer RAID 500 Adapter II (0/1/10/5*) Optional ThinkServer RAID 700 Adapter II (RAID 0/1/10/5/50/6/60) Optional ThinkServer RAID 710 Adapter (0/1/10/5/50/6/60)
MEDIA BAYS 1 x Slim optical (except 12 x 2.5" configuration)	DISK BAYS Up to 12 x 3.5" Hot Swap Up to 16 x 2.5" Hot Swap	COOLING 4+1 Redundant hot-swap fans
POWER 1+1 Redundant hot-swap – 800 watt (80 PLUS Gold)	DIAGNOSTICS Intelligent Diagnostics Panel	MANAGEMENT ThinkServer Management Module Optional ThinkServer Management Module Premium
MAXIMUM INTERNAL STORAGE Up to 48TB (3.5" SATA) Up to 36TB (3.5"SAS) Up to 16TB (2.5" SATA) Up to 14.4TB (2.5" SAS)	NETWORK INTERFACE 2 x Integrated Gb Ethernet 1 x Integrated Gb Ethernet (shared with ThinkServer Management Module)	DIMENSIONS (W x H x D) & WEIGHT 17.6" x 3.5" x 28.9" Starting at 16 kg or 35.3 pounds

* RAID 5 available only with optional upgrade key
** VMware ESXi is not supported with ThinkServer RAID 300

OPTIONS



ThinkServer 8GB
DDR3L-1600MHz
LV RDIMM

OC19534

Boost the capabilities of your ThinkServer and increase performance by adding memory.



ThinkServer 3TB
7.2K 3.5" Enterprise
SATA 6Gbps Hot-Swap
Hard Drive

0A89477

Choose hot-swap SATA drives for high performance with budget-friendly prices.



ThinkServer 800
Watt Gold Hot-Swap
Redundant Power Supply
4X20E54690

Increase your ThinkServer availability by adding a hot-swap and redundant power supply.

For a complete list of options, visit lenovoquickpick.com



NEED STORAGE?

Learn more about LenovoEMC
lenovoemc.com

LENOVO SERVICES

Choose among a comprehensive portfolio of services optimized to support and protect your ThinkServer investment. Specify response time, duration, and optional features to meet your business needs and your budget.

PRIORITY TECHNICAL SUPPORT
Provides 24x7 direct access to advanced-level technicians.

EXTENDED WARRANTIES
Offer fixed-term, fixed-cost protection to help you budget for server expenses for up to five years, to help lower TCO.

UPGRADED WARRANTIES
Maximize uptime and productivity with convenient, same-day repair service at your place of business.

WHY THINKSERVER

- 1 ENTERPRISE-CLASS** – High reliability and easy manageability for your business-critical workloads
- 2 OPEN STANDARDS** – Industry-standard protocols for easy integration into your heterogeneous environment
- 3 OUTSTANDING VALUE** – The perfect balance of performance and standard features at a great price



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