

LENOVO THINKSERVER RD440

A 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 72TB — 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.



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SPECIFICATIONS

FORM FACTOR/HEIGHT	2U Rack										
PROCESSOR	Up to two 10-core Intel Xeon E5-2400 v2 Series										
MEMORY	Up to 192GB DDR3 – 1333 MT/s via 12 slots (LVRDIMM)										
MEDIA BAYS	1 x slim optical (except 12 x 2.5" configuration)										
DISK BAYS	Up to 12 x 3.5" or up to 16 x 2.5"										
MAXIMUM INTERNAL STORAGE	Up to 72TB 3.5" chassis or up to 16TB 2.5" chassis										
RAID SUPPORT	Integrated ThinkServer RAID 300 (0/1/10, optional 5) ¹ Optional ThinkServer RAID 500 Adapter II (0/1/10, optional 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)										
POWER SUPPLY	Redundant hot-swap – 800W (80 Plus Gold)										
NETWORK INTERFACE	2 x Integrated Gb Ethernet 1 x Integrated Gb Ethernet (shared with ThinkServer Management Module)										
EXPANSION SLOTS	<table border="0"> <tr> <td>With 1 CPU installed:</td> <td>With 2 CPUs installed:</td> </tr> <tr> <td>1 x PCIe Gen3: FH/HL x16 mechanical, x8 electrical</td> <td>2 x PCIe Gen3: FH/HL x16 mechanical, x8 electrical</td> </tr> <tr> <td>1 x PCIe Gen3: FH/HL x8 mechanical, x8 electrical</td> <td>2 x PCIe Gen3: FH/HL x8 mechanical, x8 electrical</td> </tr> <tr> <td>1 x PCIe Gen3: LP x8 mechanical, x4 electrical</td> <td>1 x PCIe Gen3: LP x8 mechanical, x4 electrical</td> </tr> <tr> <td>1 x PCIe Gen2: FH/HL x8 mechanical, x4 electrical</td> <td>1 x PCIe Gen2: FH/HL x8 mechanical, x4 electrical</td> </tr> </table>	With 1 CPU installed:	With 2 CPUs installed:	1 x PCIe Gen3: FH/HL x16 mechanical, x8 electrical	2 x PCIe Gen3: FH/HL x16 mechanical, x8 electrical	1 x PCIe Gen3: FH/HL x8 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 Gen3: LP x8 mechanical, x4 electrical	1 x PCIe Gen2: FH/HL x8 mechanical, x4 electrical	1 x PCIe Gen2: FH/HL x8 mechanical, x4 electrical
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COOLING	5 redundant hot-swap fans										
SYSTEMS MANAGEMENT	ThinkServer Management Module Optional ThinkServer Management Module Premium										
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, Novell SUSE Linux Enterprise Server, Red Hat Enterprise Linux Server, VMware ESXi, Citrix XenServer										
DIMENSIONS W x H x D	(482 mm x 87 mm x 734 mm) or (19.0" x 3.4" x 28.9")										
WEIGHT	Starting at (16 kg) or (35.3 lbs)										

¹ VMware ESXi is not supported with ThinkServer RAID 300

OPTIONS

<p>ThinkServer 8GB DDR3L-1600 LVRDIMM</p> <p>OC19534</p> <p>Boost the capabilities of your ThinkServer and increase performance.</p>	<p>ThinkServer 3TB 7.2K 3.5" Enterprise SATA 6Gbps Hot-Swap Hard Drive</p> <p>0A89477</p> <p>Choose hot-swap SATA drives for high performance with budget-friendly prices.</p>	<p>ThinkServer 800 Watt Gold Hot-Swap Redundant Power Supply</p> <p>4X20E54690</p> <p>Increase availability by adding a hot-swap and redundant power supply.</p>
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For a complete list of options, visit lenovoquickpick.com

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