

Lenovo ThinkServer RD450

Perfect balance between processing power, storage capacity and value

Lenovo™



Stepped-up Performance

The Lenovo ThinkServer RD450 boasts up to two of the latest Intel® Xeon® processors E5-2600 v4 series and up to 28 cores per system. With as much as 1TB of memory via 16 slots, it supports double the capacity of the previous generation. Because the RD450 uses DDR4 memory, you get up to a 50 percent boost in performance and up to a 45 percent increase in power savings over previous generation memory—enabling your applications to run faster and more efficiently. These gains, coupled with the RD450's highly flexible design, make it perfect for your infrastructure, collaboration and line-of-business applications, as well as web serving or hosting.

Generous Storage

The Lenovo ThinkServer RD450 offers generous storage capacity and flexible configuration options to create the right system for your needs. This server is ideal for small-to-medium sized businesses because of its large, cost-effective storage capacity. Dual SD card options are also available to support hypervisor booting. The ThinkServer RD450 2.5-inch configuration leverages the Lenovo AnyRAID design, allowing the use of your choice of

RAID adapter without consuming a PCIe slot. For more protection and performance, upgrade your ThinkServer RAID adapter for additional RAID levels and flash-backed cache.

Simplified Management

Centrally automate discovery, inventory tracking, real-time monitoring, fault detection, and alert handling over the lifecycle of your servers with [Lenovo XClarity](#), a best-in-class enterprise management tool. A mobile option enables you to securely monitor your systems from Android and iOS devices.

Additionally, the ThinkServer RD450 offers a suite of intuitive administration utilities for configuration and deployment. [Lenovo XClarity Energy Manager](#) is available for optimizing your server power consumption.

Why Lenovo

Lenovo is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. Lenovo also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

For More Information

To learn more about the Lenovo ThinkServer RD450, contact your Lenovo Business Partner or visit lenovo.com/systems/servers

WWW.LENOVO.COM



Lenovo ThinkServer RD450

Specifications

Form Factor/Height	2U Rack	
Processor (Max)/Cache (max)	Up to two 14-core Intel® Xeon® processors E5-2600 v4 series/Up to 35MB per processor (up to 105W TDP)	
Memory (Max)	Up to 1 TB DDR4 – 2400 MHz via 16 slots (RDIMM/LRDIMM)	
Media Bays	1 x slim optical (except 24 x 2.5-inch configuration)	
Disk Bays (Total/Hot-Swap)	Up to 8 x 3.5-inch or up to 24 x 2.5-inch	
Maximum Internal Storage	Up to 64 TB 3.5-inch chassis or 48 TB 2.5-inch chassis	
RAID Support	ThinkServer RAID 110i AnyRAID (0/1/10, optional 5)*; ThinkServer RAID RD450 510i AnyRAID (0/1/10, optional 5/50)*; ThinkServer RAID RD450 720i AnyRAID (0/1/10/5/50/6/60)*; ThinkServer RAID RD450 720ix AnyRAID (0/1/10/5/50/6/60)*; ThinkServer RAID 110i (0/1/10, optional 5); ThinkServer RAID 520i (0/1/10, optional 5/50); ThinkServer RAID 720i (0/1/10/5/50/6/60)	
Power Supply (Std/Max)	2 Redundant hot-swap 450W (80 PLUS Gold), 550W/750W/1100W (80 PLUS Platinum), 110V to 240V AC input 750W (80 PLUS Titanium), 200V to 240V AC input	
Network Interface	2 x Integrated Gb Ethernet 1 x Integrated Gb Ethernet (Dedicated to ThinkServer System Manager)	
Expansion Slots	1 CPU: 2 x PCIe 3.0: HL/FH x8 1 x PCIe 3.0: LP x8	2 CPUs: 1 x PCIe 3.0: LP x16 2 x PCIe 3.0: HL/FH x8 3 x PCIe 3.0: LP x8
USB Ports/VGA Ports	2x USB 2.0 front, 2x USB 3.0 rear, /1 front, 1 rear	
Energy Efficiency	3 Redundant fans with 1 processor or 4 redundant fans with 2 processors	
Systems Management	Lenovo XClarity Administrator with mobile option; Lenovo XClarity Pro software bundle; ThinkServer System Manager; ThinkServer System Manager Premium; Lenovo XClarity Energy Manager	
Operating Systems Supported	Microsoft Windows Server (Including Hyper-V); SUSE Linux Enterprise Server; Red Hat Enterprise Linux Server; VMware ESXi	

* AnyRAID available on 2.5-inch chassis

Options

ThinkServer 16GB DDR4 – 2400 RDIMM 4X70G88319 Boost the capabilities of your ThinkServer system and increase performance.	Lenovo ThinkServer Gen 5 2.5" 300GB 15K Enterprise SAS 6Gbps Hot Swap Hard Drive 4XB0G45727 Increase your storage capacity and boost your storage performance	Lenovo ThinkServer I350-T4 PCIe 1Gb 4 Port Base-T Ethernet Adapter by Intel 4XC0F28731 Leverage the bandwidth potential of your network and scale your I/O.
---	---	---



© 2016 Lenovo. All rights reserved.

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, System x, ThinkServer, AnyRAID are trademarks or registered trademarks of Lenovo. Microsoft and Windows are registered trademarks of Microsoft Corporation. Intel, the Intel logo, 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/lenovo/us/en/safecomp.html periodically for the latest information on safe and effective computing.



LGD12346-USEN-03