

# Lenovo ThinkServer RD450

Perfect balance between processing power, storage capacity and value



## 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](http://lenovo.com/systems/servers)



## Specifications

<b>Form Factor/Height</b>	2U Rack	
<b>Processor (Max)/Cache (max)</b>	Up to two 14-core Intel® Xeon® processors E5-2600 v4 series/Up to 35MB per processor (up to 105W TDP)	
<b>Memory (Max)</b>	Up to 1 TB DDR4 – 2400 MHz via 16 slots (RDIMM/LRDIMM)	
<b>Media Bays</b>	1 x slim optical (except 24 x 2.5-inch configuration)	
<b>Disk Bays (Total/Hot-Swap)</b>	Up to 8 x 3.5-inch or up to 24 x 2.5-inch	
<b>Maximum Internal Storage</b>	Up to 64 TB 3.5-inch chassis or 48 TB 2.5-inch chassis	
<b>RAID Support</b>	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)	
<b>Power Supply (Std/Max)</b>	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	
<b>Network Interface</b>	2 x Integrated Gb Ethernet 1 x Integrated Gb Ethernet (Dedicated to ThinkServer System Manager)	
<b>Expansion Slots</b>	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
<b>USB Ports/VGA Ports</b>	2x USB 2.0 front, 2x USB 3.0 rear, /1 front, 1 rear	
<b>Energy Efficiency</b>	3 Redundant fans with 1 processor or 4 redundant fans with 2 processors	
<b>Systems Management</b>	Lenovo XClarity Administrator with mobile option; Lenovo XClarity Pro software bundle; ThinkServer System Manager; ThinkServer System Manager Premium; Lenovo XClarity Energy Manager	
<b>Operating Systems Supported</b>	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

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