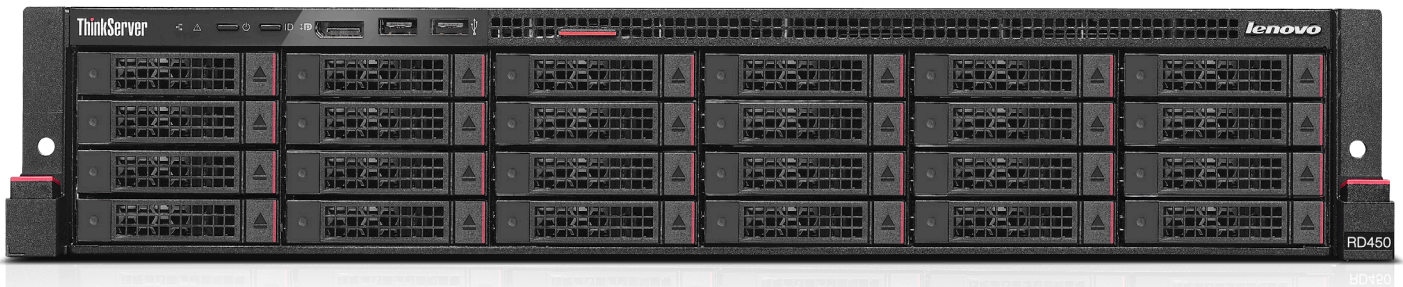# LENOVO THINKSERVER RD450

Striking the perfect balance between processing power, storage capacity and value.

MORE PERFORMANCE

The Lenovo® ThinkServer® RD450 boasts up to two of the latest Intel® Xeon® E5-2600 v3 Series processors. With up to 512 GB of memory via 16 slots, there is a tremendous increase in capacity over the previous generation. Because the RD450 uses next-gen DDR4 memory, you get up to a 50 percent boost in performance and up to a 50 percent increase in power savings — enabling your applications to run faster and more efficiently. These improvements 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.

MORE STORAGE

The Lenovo ThinkServer RD450 offers flexible configuration options to create the right system for your needs. This server is ideal if you are a small-to-medium sized business 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 taking up a PCIe slot. For more protection and performance, upgrade your ThinkServer RAID adapter for additional RAID levels and flash-backed cache.

LESS TO MANAGE

A key feature of the RD450 and all ThinkServer systems is its use of open industry standards and protocols enabling seamless integration into your multi-vendor environment. That means you can use your existing management tools with the RD450 or feel free to try ours — many at no additional charge. The RD450 offers a suite of intuitive lifecycle tools that make management easy so you can focus on IT projects that drive your business. These new tools include configuration, deployment and power planning tools, as well as a tool for energy management.

intel inside™ XEON®

lenovo.

SPECIFICATIONS

FORM FACTOR/HEIGHT	2U Rack
PROCESSOR	Up to two 12-core Intel Xeon E5-2600 v3 Series
MEMORY	Up to 512 GB DDR4 – 2133 MT/s via 16 slots (RDIMM/LRDIMM)
MEDIA BAYS	1 x slim optical (except 24 x 2.5" configuration)
DISK BAYS	Up to 8 x 3.5" or up to 24 x 2.5"
MAXIMUM INTERNAL STORAGE	Up to 32 TB 3.5" chassis or up to 28.8 TB 2.5" chassis
RAID SUPPORT	ThinkServer RAID 110i AnyRAID (0/1/10, optional 5)[1] ThinkServer RAID RD450 510i AnyRAID (0/1/10, optional 5) 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 500 (0/1/10, optional 5/50) ThinkServer RAID 710 (0/1/10/5/50/6/60)
POWER SUPPLY	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 Gen 3: HL/FH x8 2 CPUs: 1 x PCIe Gen 3: LP x16 2 x PCIe Gen3: HL/FH x8 3 x PCIe Gen3: LP x8
COOLING	3 Redundant fans with 1 processor or 4 redundant fans with 2 processors
SYSTEMS MANAGEMENT	ThinkServer System Manager Optional ThinkServer System Manager Premium
OPERATING SYSTEMS SUPPORTED	Microsoft Windows Server 2012 R2 (Including Hyper-V), Microsoft Windows Server 2012 (Including Hyper-V), Windows Server 2008 R2 with SP1 (Including Hyper-V), SUSE Linux Enterprise Server, Red Hat Enterprise Linux Server, VMware ESXi
DIMENSIONS (W x H x D)	(482 mm x 87 mm x 783 mm) or (19.0" x 3.4" x 30.8")
WEIGHT	Starting at (16.0 kg) or (35.3 lbs.)

[1] AnyRAID available on 2.5" chassis only

OPTIONS

ThinkServer 8GB

DDR4 – 2133
RDIMM

4X70F28589

Boost the capabilities of your ThinkServer and increase performance.

ThinkServer RD450 RAID 720i

AnyRAID Adapter[1]

4XB0G45756

Safeguard your data and increase performance without using a PCIe slot

ThinkServer OCe14102-UX-L PCIe 10Gb 2 Port SFP+ CNA by Emulex

4XC0F28736

Leverage the bandwidth potential of your network and scale your I/O.

For a complete list of options, visit lenovoquickpick.com

NEED STORAGE?   Learn more about Lenovo storage
lenovo.com/storage

NEED SERVICES?   Learn more about Lenovo Services
lenovo.com/services/thinkserver

To learn more about the Lenovo ThinkServer RD450, please contact your Lenovo Business Partner