

LENOVO THINKSERVER RD540

The right blend of performance, memory and I/O for your mainstream and virtualized workloads



BALANCED DESIGN

Created with the right balance of processing power, memory, I/O and storage in a dense 1U form factor, the ThinkServer® RD540 is an ideal mainstream server. Intel® Xeon® processors with up to 24 cores – significantly faster than previous-generation servers – and large memory capacity coupled with I/O and storage scalability, make the RD540 perfect for your line-of-business applications.

OPTIMIZED FOR VIRTUALIZATION

Virtualization makes it faster and easier to deliver IT capabilities to your organization. With this blend of excellent performance, memory bandwidth and powerful I/O choices, the RD540 is optimized for virtualization so you can deploy multiple virtual machines with confidence.

SUPER EFFICIENT

The RD540 offers 80 Plus Gold power choices and an innovative spread-core board design that helps to lower thermal output. That adds up to a highly efficient 1U solution that doesn't compromise on performance. Also enjoy impressive power savings with ThinkServer Smart Grid power management technology. It provides sophisticated, policy-based power capping tools to help you best manage power to changing server workloads.



1 866 426 6398

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SPECIFICATIONS

FORM FACTOR/HEIGHT	1U Rack
PROCESSOR	Up to two 24-core Intel Xeon E5-2600 v2 Series
MEMORY	Up to 320GB DDR3 – 1600 MT/s via 20 slots (RDIMM, LVDIMM)
MEDIA BAYS	1 x slim optical (except 8 x 2.5" configuration)
DISK BAYS	Up to 4 x 3.5" or up to 8 x 2.5"
MAXIMUM INTERNAL STORAGE	Up to 16TB 3.5" chassis or up to 8TB 2.5" chassis
RAID SUPPORT	ThinkServer RAID 500 Adapter (0, 1, 10, optional 5) ThinkServer RAID 700 Adapter (0/1/10/5/50/6/60) ThinkServer RAID 710 Adapter (0/1/5/6/10/50/60)
COOLING	8 redundant fixed fans
POWER SUPPLY	Redundant hot-swap – 800 watt
NETWORK INTERFACE	2 x Integrated Gb Ethernet 1 x Integrated Gb Ethernet (shared with ThinkServer Management Module)
EXPANSION SLOTS	1 x PCIe GEN3: LP x8 (populated with hardware RAID adapter) 1 x PCIe GEN3: FH/HL x16
DIAGNOSTICS	Intelligent Diagnostics Panel
SYSTEMS MANAGEMENT	ThinkServer Management Module Optional ThinkServer Management Module
OPERATING SYSTEMS SUPPORTED	Microsoft Windows Server 2008 R2 (including Hyper-V), Microsoft Windows Server 2012 (including Hyper-V), Microsoft Windows Server 2008 RS with SP1 (including Hyper-V), Microsoft Windows Small Business Server 2011, SUSE Linux Enterprise Server, Red Hat Enterprise Linux Server, VMware vSphere ESXi, Citrix XenServer
DIMENSIONS (W x H x D)	(482 mm x 43 mm x 734 mm) or (19.0" x 1.7" x 28.9")
WEIGHT	Starting at (12 kg) or (26.5 lbs)

OPTIONS

<p>ThinkServer 16GB DDR3 - 1600 RDIMM</p> <p>0C193535</p> <p>Boost the capabilities of your ThinkServer system and increase performance.</p>	<p>ThinkServer 1TB 7.2K 2.5" Enterprise 6Gbps SATA Hot-Swap Hard Drive</p> <p>0C19496</p> <p>Choose hot-swap SATA drives for high performance and reliability, with budget-friendly prices.</p>	<p>Lenovo 10Gbps Ethernet Dual-Port X540-T2 Server Adapter by Intel</p> <p>0C19497</p> <p>Leverage the bandwidth potential of your network and scale your I/O.</p>
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For a complete list of options and accessories, visit lenovoquickpick.com

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