

Lenovo ThinkServer RS160

Powerful. Flexible. Built-in Value.



Increased Performance

The Lenovo ThinkServer RS160 is an excellent entry-server for growing businesses. Featuring powerful Intel® processors and enterprise-class storage and networking, it offers up to 12Gbps data transfer rate as well as 2x the memory and 33 percent more internal storage capacity than its predecessor. The RS160 is ideal for web hosting, mail serving, file-and-print serving, video streaming, as well as a wide range of general-purpose productivity applications.

Built-in Value and Flexibility

The RS160 features a full line of powerful Intel processors, from Celeron to Xeon®, and up to 64GB of DDR4 memory. It provides business flexibility with multiple storage types and form factors, including up to 16TB of internal storage and 32GB

of M.2 drive support for additional scalability. Multiple server OSes are available and the rack is available with 2-post and 4-post rail rack-mounting options.

Customer Friendly

Lenovo servers continue to be rated the most reliable x86 servers on the market and have the highest customer satisfaction.^{†,‡} The RS160 is no exception. Its shallow chassis depth promotes greater in-rack airflow and it has an 80 Plus Gold-certified power supply. Easy-to-use Lenovo XClarity system management tools* provide business-class reliability and management to reduce costs and downtime. These are the same tools used on Lenovo's high-end, two-socket rack systems.

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.



Specifications

Form Factor/Height	1U (411mm/16.2 in. deep)
Processor	Intel® Pentium, Core i3, Xeon® E3-1200 v5; Celeron [§]
Number of Processors	1 (up to 4 cores)
Cache	Up to 8MB
Memory	Up to 64GB (4x 16GB) 2133MHz DDR4 ECC UDIMMs
Expansion Slots	1 PCIe 3.0 x16
Storage Bays	1x M.2, plus either 2x 3.5-inch or 4x 2.5-inch non-hot-swap, plus optional optical drive
Maximum Internal Storage	16TB (7,200rpm) 3.5-inch SAS**/SATA; 8TB (7,200rpm) SATA 2.5-inch; 4.8TB 2.5-inch SAS (10,000rpm); 1.92TB 2.5-inch SSD**; 32GB M.2 SSD [§]
RAID Support	Software RAID-0/1/10/5 (standard); optional hardware RAID-0/1/10 (plus RAID-5/6 with upgrade key)
Network Interface	2x 1GbE (standard), plus 1x 1GbE dedicated management port
Power Supply	300W 80 Plus Gold (90% efficient) non-hot-swap
Optional Rack Mounting	2-post rail, 4-post rail
Security	Optional TPM/TCM
Systems Management	Onboard BMC; XClarity support [‡] ; Power Planner tool; easy update and startup
Operating Systems Supported	Windows Server 2012/2012 R2/2016, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, VMware vSphere ESXi
Limited Warranty	1 or 3-year (model-specific) parts and labor

* Celeron, XClarity, and 3.5-inch SAS support is planned for 1Q 2017; † Annual [ITIC 2015-2016 Reliability Survey](#), July 2015; ‡ Quarterly [TBR Customer Satisfaction Survey](#), January 2016;

§ Support for XClarity, Intel Celeron, and 3.5-inch SAS support is planned for 1Q 2017.; ** Windows 2016 and 128GB M.2 SSD capacity is planned for 1Q 2017.

Options

<p>Lenovo ThinkServer RAID 520i PCIe Adapter 4XC0G88840</p> <p>12Gbps SAS Hardware RAID adapter for RAID-0, 1, 10, and optional RAID-5 by upgrade kit provides faster throughput than 6Gbps RAID.</p>	<p>Lenovo ThinkServer RS160 x16 PCIe Riser Kit 4XC0G88857</p> <p>1U riser kit for RS160 only. It provides one x16 half height, half-length slot for greater I/O flexibility.</p>	<p>ThinkServer 4-Post Rail kit for RS-Series 4XF0F28772</p> <p>Easy installation sliding rail kit for 4-post racks.</p>
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For More Information

To learn more about the Lenovo ThinkServer RS160 and XClarity software, contact your Lenovo representative or Business Partner or visit lenovo.com/systems/servers

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