

# Lenovo ThinkSystem SD520 V4

Extreme rack density and  
efficiency



## Maximum Core Density & Flexibility

Powered by the latest Intel® Xeon® 6 processor, the ThinkSystem SD520 V4 can accelerate parallel workloads for processing massive transactional data per second. The Intel® Xeon® 6 processor increases processing speed by maximizing core density with up to 576 cores per 2U chassis.

The multi-node format of the SD520 V4 adds greater flexibility to your rack space. Install 2, 3, or 4 nodes in a 2U chassis and easily scale out as needed.

## Compute-Intensive Workloads

The ThinkSystem SD520 V4 is tailored for high-volume transactional data that demands speed. Perfect for web transactions, online banking, CSPs, Telco, and HPC workloads needing high core density to process multiple data streams simultaneously. With the Intel® Xeon® 6 processor, it swiftly handles massive data for compute-intensive tasks.

## Designed for Efficiency

The ThinkSystem SD520 V4 server boosts performance per watt for high-volume workloads and reduces power usage compared to a standard rack server. Up to four servers can fit in the 2U ThinkSystem D3 V2 chassis, sharing 2-3 power supplies. With Neptune™ liquid cooling, it enhances efficiency by up to 40%, perfect for large-scale CSP and HPC installations. Ideal for online banking, e-retail, and cloud computing.

## XClarity One System Management

The ThinkSystem SD520 V4 server includes XClarity One system management and the industry's first hybrid cloud-based unified Management-as-a-Service (MaaS), providing three predictive failure analytics engines to swiftly identify potential issues and minimize system downtime while increasing accuracy.

It also includes XClarity Controller 3 (XCC3) to monitor server availability. Optional upgrade to XCC Platinum to provide remote control (keyboard video mouse) functions, support for mounting remote media files (ISO and IMG image files), boot capture, and power capping.

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## Specifications

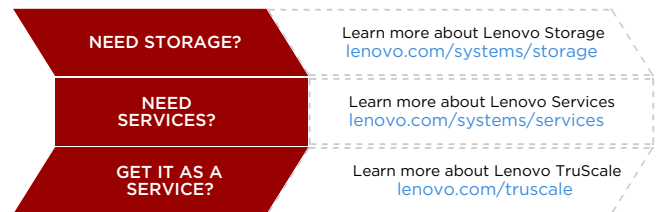
Form Factor/Height	1U half-width multi-node dense server (node) 4 nodes can be installed in a 2U enclosure
Processor	1x Intel® Xeon® 6 processor, up to 350W
Memory	Each node has 8x TruDDR5 5600 MHz RDIMM slots
Storage	<ul style="list-style-type: none"> <li>Up to 6x 2.5" (NVMe/SAS/SATA) or 2x E3.S 1T (NVMe)</li> <li>2x M.2 boot drives</li> </ul>
Network Interface	1x 1GbE Dedicated Management
I/O Expansion	<ul style="list-style-type: none"> <li>1x OCP 3.0 slot with PCIe Gen5</li> <li>1x PCIe Gen5 x16 HHHL slot</li> </ul>
GPU Support	1x 75W GPU
Power Supply	<ul style="list-style-type: none"> <li>Chassis supports up to 3x Power Supply Units, up to 2700W each</li> <li>ERP Lot 9 Support</li> </ul>
Systems Management	Lenovo XClarity Controller embedded management with Platform Firmware Resiliency (Hardware Root of Trust), TPM 2.0
OS Support	Microsoft, Linux, Red Hat, SUSE, VMware
Limited Warranty	1 & 3-year base warranty, Next business day 9x5, Optional: 4th & 5th year service upgrades

## About Lenovo

Lenovo (HKSE: 992) (ADR: LNVGY) is a US\$62 billion revenue global technology powerhouse, ranked #171 in the Fortune Global 500, employing 77,000 people around the world, and serving millions of customers every day in 180 markets. Focused on a bold vision to deliver smarter technology for all, Lenovo is expanding into new growth areas of infrastructure, mobile, solutions and services. This transformation is building a more inclusive, trustworthy, and sustainable digital society for everyone, everywhere.

## For More Information

To learn more about the ThinkSystem SD520 V4, contact your Lenovo representative or Business Partner or visit [www.lenovo.com/thinksystem](http://www.lenovo.com/thinksystem).



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