

Lenovo Storage D3284

Affordable high-capacity server storage



Mega Storage at a Great Price

The Lenovo Storage D3284 delivers high-density direct-attach storage. It supports mixing-and-matching different drive types for high performance, high capacity, or a combination of the two.

Affordable high-density options, combining 7,200rpm NL-SAS hard disk drives (HDDs) with high-IOPS/low-latency SAS solid-state drives (SSDs), enable a multitiered storage infrastructure in a single enclosure or daisy-chain. It supports up to 4 enclosures in a single chain. Chains can be connected to up to three servers.

Affordable, High-Capacity, Flexible Storage

High-capacity 3.5-inch NL-SAS drives offer up to 1680TB of “cold” or archive storage in only 5U, and up to 6.7PB in 20U, using four daisy-chained enclosures.

SSDs (645TB in 5U, 2.58PB in 20U) provide the extreme throughput necessary for the most I/O-intensive jobs, such as HPC, high-frequency trading (HFT), and caching. With up to 84 drives per enclosure and 336 per daisy-chain, there is plenty of room for multitiered drive types.

High Availability, High Density

Hot-swap redundant components, including dual ESMS, dual 80 Plus Platinum power supplies, and five fans, provide the high availability needed for a high-density storage platform.

D3284 is a key component of the Lenovo Distributed Storage Solution (DSS-G) for IBM Spectrum Scale.

The high-density enclosure uses 1/3 less rack space than the equivalent number of drives in traditional 2U enclosures and fits in 1m deep racks, so it works with existing infrastructures.

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D3284 Specifications

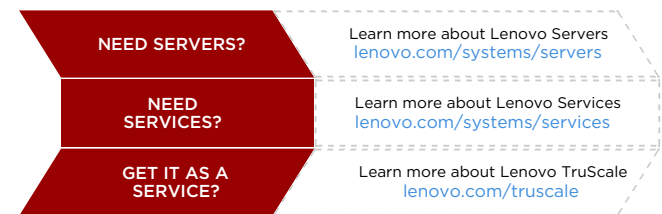
Form Factor	5U
Dual Expansion Modules	Dual 12Gb SAS standard, with active/active failover
Supported Drives	84x hot-swap SAS 3.5-inch drives: <ul style="list-style-type: none"> • Up to 20TB 7,200rpm NL SAS HDDs • Up to 7.68TB SSDs (2.5-inch drive in 3.5-inch tray)
Storage Capacity (per enclosure)	Up to 1,680TB - 7,200rpm NL SAS HDDs Up to 645TB - SAS SSDs
Expandability (via Daisy-Chain)	Up to 4x D3284 enclosures per HBA
Host Controllers Supported	ThinkSystem RAID 930-8e PCIe 12Gb Adapter ThinkSystem 440-16e SAS/SATA PCIe Gen4 12Gb HBA ThinkSystem 430-8e PCIe 12Gb SAS/SATA HBA ThinkSystem 430-16e PCIe 12Gb SAS/SATA HBA
RAID Support	RAID-0, 1, 10, 5, 50, 6, 60 (Host controller-dependent)
Power Supplies and Fans	2x 2214W (1+1) hot-swap/redundant 80 Plus Platinum power supplies; 5 hot-swap/redundant fans
Back Panel Connectors	Each expansion module (x2) includes: 4x ports: 3x 12Gbps Mini-SAS HD (SFF-8644) per ESM; 1x RJ45 Ethernet port for management
Form Factor, Dimension, Weight	5U/Height: 219mm (9.5 in.); Width: 483mm (19 in. IEC60297 rack compliant); Depth: 933mm (36.75in.)/ Weight: min. 64kg (141 lbs); max. 131kg (289 lbs)
Hot-Swap Components	HDDs, SSDs, ESMs, PSUs, fans
Limited Warranty	3-year Limited Warranty, 9x5 Next Business Day Onsite (upgradeable)

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 Lenovo Storage D3284, contact your Lenovo representative or Business Partner or visit lenovo.com/systems/storage.



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