

Lenovo Storage D3284

Affordable high-capacity server storage

Lenovo™



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 840TB of “cold” or archive storage in only 5U (that’s 1.5x the capacity of the HP D6000*), and up to 3.36PB in 20U, using four daisy-chained enclosures.

SSDs (33.6TB/134.4TB) 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 GPFS Storage Server](#) and [Lenovo Storage DX8200N](#) Powered by NexentaStor.

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.

Specifications

Multi Products	Lenovo D3284 Storage Enclosure
Form Factor/Height	5U
Dual Expansion Modules	Dual 12Gb SAS standard, with active/active failover
Supported Drives	84x hot-swap SAS 3.5-inch drives: 4TB, 6TB, 8TB, or 10TB 7,200rpm NL SAS HDDs; 400GB SSDs (2.5-inch drive in 3.5-inch tray)
Storage Capacity (per enclosure)	Up to 840TB – 7,200rpm NL SAS HDDs; up to 33.6TB – SAS SSDs
Expandability via Daisy-Chain	Up to 4x D3284 enclosures per HBA
HBAs Supported	N2225 SAS/SATA HBA for System x; N2226 SAS/SATA HBAs for System x
RAID Support	RAID-0, 1, 10, 5, 50, 6, 60 (HBA-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/Dimensions/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)

* As of this publication date.

Why Lenovo

Lenovo is a \$46 billion global Fortune 500 company and a leader in providing innovative consumer, commercial, and enterprise technology. Lenovo enterprise systems deliver industry-leading performance, reliability, and security in virtualized and cloud environments for analytics, database, virtual desktop, infrastructure, and web workloads. Lenovo also offers simplified and extensible systems management tools so you can manage your infrastructure on your own terms. Consistently ranked #1 in reliability and customer satisfaction, the Lenovo enterprise server, storage, and networking portfolio provides the hardware for businesses that never stand still.

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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