

Lenovo Storage D1224

Powerful storage JBOD/expansion unit: 2.5-inch



High-Performance, High-Capacity DAS

The Lenovo Storage D1224 has the flexibility and capacity to handle many different types of workloads. You can start with one D1224 enclosure containing up to 24x 2.5-inch drives as a simple JBOD, and later daisy-chain up to 8 enclosures per SAS Chain (using multiple ports). One chain supports up to 192 drives.

Supported drives include 15,000, 10,000 and 7,200rpm HDDs, secure self-encrypting 10,000rpm SED HDDs, and high-performance/high-capacity SSDs for read-intensive workloads. The D1224 supports RAID-0, 1, 10, 5, 50, 6, and 60, using a variety of RAID HBAs. A single chain can contain a combination of HDDs and SSDs with multiple speeds and capacities. If 3.5-inch HDDs are required, D1212 expansion units may be included in the chain.

Best Value for Storage Capacity

The D1224 is optimized for performance at an affordable price. 2.5-inch drives offers storage capacity up to 1.47PB. 10,000 and 15,000 rpm 12Gbps SAS drives offer the speed needed for many performance-intensive workloads, and SSDs provide the extreme throughput necessary for the most I/O-intensive jobs, along with high capacity.

The D1224 shares common parts with D1212 DAS enclosures, simplifying servicing and reducing spare parts on hand, helping to reduce costs further.

Easy to Deploy and Highly Available

Simply cable-connect new units and they come online immediately (OS-dependent) with instant drive identification. Virtual machines can share these expansion chassis as well.

And because storage is useless when it's offline, the D1224 uses ruggedized components that are designed for 99.999 percent availability and NEBS3 compliance, along with hot-swap drives and HS/redundant power supplies for maximum uptime. Redundant I/O modules with failover completes the package.

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.

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D1224 Specifications

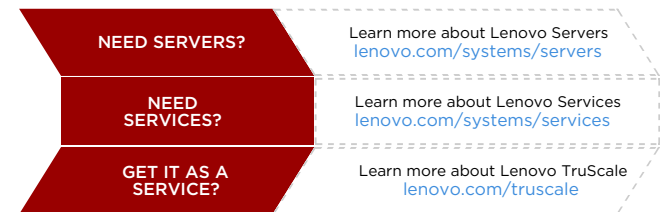
Form Factor	2U
Dual Expansion Modules	Dual 12Gb SAS standard (MiniSAS-HD SFF 8644), with active/active failover
Supported Drives	24x hot-swap SAS 2.5-inch drives: <ul style="list-style-type: none"> Up to 2.4TB 10K rpm SAS HDDs Up to 7.68TB SAS SSDs (1 DWD)
Storage Capacity (per D1224 enclosure—up to 8 enclosures supported per SAS Chain)	Up to 1.47 PB (192x 7.68 TB SFF SAS SSDs)
Expandability (via Daisy-Chain)	Up to 8 D1224 units per SAS Chain
Host Controllers Supported	ThinkSystem 440-16e SAS/SATA PCIe Gen4 12Gb HBA ThinkSystem Raid 930-8e PCIe 12Gb 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 (HBA-dependent)
Power Supplies and Fans	Two 580W (1+1) hot-swap/redundant 80 Plus Gold power supplies; two integrated fans per power supply
Back Panel Connectors	Each expansion module (x2) includes one Ethernet management port, 3x MiniSAS HD Connector (SFF 8644), It can be configured as in/ingress or out/egress port by SAS zoning mode setting
Form Factor/Dimension/Weight	2U/Height: 89.9mm (3.5 in.); Width: 493mm (19 in.); Depth: 630mm (24.8 in.)/Weight: min. 16.8kg (37.0 lbs); max. 24kg (53lbs)
Limited Warranty	3- or 5-year limited warranty, 9x5 next business day (upgradeable), or 9x5x4, or 24/7x4.

About Lenovo

Lenovo (HKSE: 992) (ADR: LNVGY) is a US\$70 billion revenue global technology powerhouse, ranked #159 in the Fortune Global 500, employing 75,000 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 D1224, contact your Lenovo representative or Business Partner or visit lenovo.com/systems/storage.



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