

Lenovo Storage D1212

Powerful storage JBOD/expansion unit: 3.5-inch



High-Performance, High-Capacity DAS

The Lenovo Storage D1212 has the flexibility and capacity to handle many different types of workloads. You can start with one D1212 enclosure containing up to 12x 3.5-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 96 drives.

Supported drives include 10,000rpm and 7,200rpm HDDs, secure self-encrypting 7,200rpm SED HDDs, and high-performance/high-capacity SSDs for read-intensive workloads. The D1212 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 15,000rpm and 2.5-inch HDDs are required, D1224 expansion units may be included in the chain.

Best Value for Storage Capacity

The D1212 is optimized for performance at an affordable price. With support for daisy chaining, the D1212 can be scaled up to 1.92 PB for capacity-optimized configurations with HDDs. 10,000rpm 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 D1212 shares common parts with D1224 DAS enclosures. This simplifies servicing and reduces 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 D1212 uses ruggedized components that are designed for 99.999 percent availability and NEBS3 compliance, along with hot-swap drives and hot-swap/redundant power supplies for maximum uptime. Redundant I/O modules with failover complete the package.

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D1212 Specifications

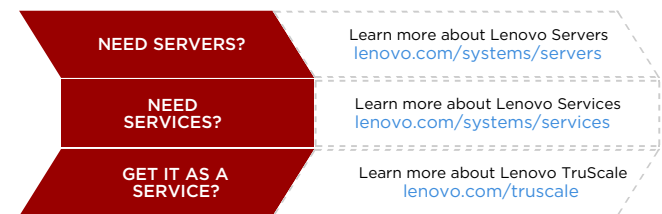
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|---|---|
| Form Factor | 2U |
| Dual Expansion Modules | Dual 12Gb SAS standard (MiniSAS-HD SFF 8644), with active/active failover |
| Supported Drives | 12x hot-swap SAS 3.5-inch drives: <ul style="list-style-type: none"> • Up to 20TB 7,200rpm LFF SAS HDDs • Up to 4TB NL-SAS SED HDDs • Up to 800GB 3DWD SAS SSDs (2.5-inch drive in 3.5-inch hybrid tray) |
| Storage Capacity (per D1212 enclosure—up to 8 enclosures supported per HBA port) | Up to 1.92PB (96x 20 TB LFF NL SAS HDDs) |
| Expandability (via Daisy-Chain) | Up to 8 D1212 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 1 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. 26kg (57.2lbs) |
| 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\$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 D1212, contact your Lenovo representative or Business Partner or visit lenovo.com/systems/storage.



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