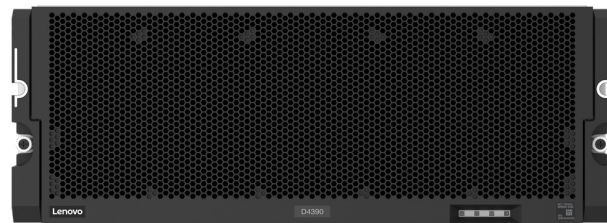


Lenovo ThinkSystem D4390 Direct Attached Storage

Affordable, high-density storage
expansion



High-Density Design

The Lenovo ThinkSystem D4390 is enterprise-class storage that delivers massive scalability, allowing you to easily expand as your data needs grow. The high-density design is 34% more dense than the previous generation enclosure (Lenovo D3284), allowing for more drives in less physical space.

The Lenovo ThinkSystem D4390 is ideal for HPC simulations, object storage, Tier 3 cloud data providers, video streaming, global file sharing, big data and analytics, video surveillance, private and hybrid clouds, and backup and archiving.

Optimized Storage

The Lenovo ThinkSystem D4390 is a single, flexible expansion platform that utilizes existing infrastructure, providing a lower TCO and immediate savings on traditional capital costs.

High-capacity 3.5" NL-SAS drives offer up to 1620TB of "cold" or archive storage in only 4U, and up to 8.1PB in 20U, using daisy-chained enclosures.

SSDs (up to 48TB in 20U) provide the throughput necessary for the most I/O intensive jobs. With up to 12 drives per enclosure and 24 per daisy-chain, there is plenty of room for multitiered drive types.

Enterprise Simplicity and Reliability

Seamless integration with Lenovo servers makes deployment easy and supports mixing and matching of SAS, NL-SAS, and SSD drives for high-performance, high-capacity, or a combination of the two.

The Lenovo ThinkSystem D4390 is also key component within the Lenovo Distributed Storage Solution (DSS-G) for IBM Spectrum Scale.

Hot-swap redundant components, including dual Environmental Service Module (ESMs) and 5V DC-DC modules, quad 1200W 80 Plus Titanium power supplies, in addition to five fans, provide the high availability needed for enterprise environments.

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D4390 Specifications

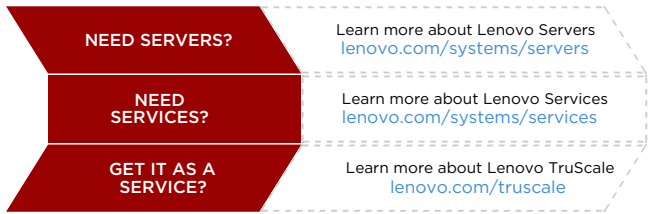
| | |
|----------------------------------|---|
| Form Factor | 4U |
| Dual Expansion Modules | Dual 12/24Gb SAS standard, with active/active failover |
| Supported Drives | 90x hot-swap SAS HDD/SSD drives (12 SAS SSD drives supported per enclosure): <ul style="list-style-type: none">Up to 18TB 7,200rpm NL-SAS HDDsUp to 800GB SSDs (2.5" drive in 3.5" tray) |
| Storage Capacity (per enclosure) | Up to 1.8PB – 7,200rpm NL SAS HDDs Up to 9.6TB – SAS SSDs |
| Expandability (via Daisy-Chain) | Up to 4x D4390 enclosures per HBA |
| Host Controllers Supported | ThinkSystem RAID 940-8e PCIe 12Gb Adapter ThinkSystem 440-16e SAS/SATA PCIe Gen4 12Gb HBA ThinkSystem 440-8e PCIe 12Gb SAS/SATA HBA |
| RAID Support | RAID-0, 1, 10, 5, 50, 6, 60 (Host controller-dependent) |
| Power Supplies and Fans | 4x 1200W 80 Plus Titanium(2+2/3+1) hot-swap/redundant power supplies; 5 hot-swap/redundant fans |
| Back Panel Connectors | Each expansion module (x2) has: x4 24Gbps Mini-SAS HD (SFF-8644) ports |
| Form Factor, Dimension, Weight | Height: 175.3mm (6.9"); Width: 446mm (17.56"); Depth: 1080mm (42.52") w/ CMA; Weight: min. 45kg (95lbs); max. 118kg (260lbs) |
| Hot-Swap Components | HDDs, SSDs, ESMs, PSUs, 5V DC-DC modules, 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 ThinkSystem D4390, contact your Lenovo representative or Business Partner or visit lenovo.com/systems/storage. For detailed specifications, consult the [D4390 Product Guide](#).



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