



Features

- Up to 184TB¹ in a 2U unit
- Up to 24 NVMe SSDs with a range of capacities and endurance options
- High-performance Intel® "Purley"-based server with a choice of CPUs
- 2 512GB SSD boot drives
- 256GB DDR4 DRAM
- 2-port 10GbE included
- 1-port 1GbE for system management
- 2 PCIe x16 slots available for add-in cards
- Enterprise-grade redundant and hot-swappable PSUs and fans

The Storage Server Platform for Software-Defined Storage

There is a never-ending need to increase data center performance for storage-intensive applications. To fully realize the benefits of a software-defined storage (SDS) infrastructure, purpose-built storage platforms have become the preferred building blocks for many enterprise data centers.

The Ultrastar Serv24 is designed to be a performance-optimized platform for SDS. By integrating CPUs and NVMe™ SSDs in the same unit, our storage server provides a tested and validated building block for deploying the SDS stack on high-performance storage.

Designed for Fast Data

Flash technology has revolutionized the performance of storage systems; NVMe technology extends flash storage to its full potential. Built upon our storage expertise, the Ultrastar Serv24 features the latest Intel® Xeon® CPUs. Chipset, core count and power can be customized, providing the flexibility to meet varying requirements depending on data workload and performance requirements.

Whether as a stand-alone file server or part of a scale-out deployment, the Ultrastar Serv24 is built to deliver screaming performance in software-defined storage environments. With low latency and consistently high bandwidth, data is accelerated to the speed of flash.



Ultrastar Serv24 – back

Designed Enterprise and Cloud Data Centers

The Ultrastar Serv24 is designed to elevate flash performance in demanding, software-defined storage environments.

Max. Drives	<ul style="list-style-type: none"> • 24 × 2.5" NVMe SSDs
Available SSD Capacities	<ul style="list-style-type: none"> • 3.20TB/1.60TB, 1.2/1.7 DW/D, Ultrastar® DC SN620 • 3.84TB/1.92TB, 0.5/0.6 DW/D, Ultrastar DC SN620 • 6.4TB 3 DW/D, HGST Ultrastar DC SN200 • 7.68TB 1 DW/D, HGST Ultrastar DC SN200
Available CPU Choices	<ul style="list-style-type: none"> • Entry-Level: Xeon 5120, 2.2GHz, 14C, 105W • Mid-Range: Xeon 6140, 2.3GHz, 18C, 140W • High-Perf: Xeon 8160, 2.1GHz, 24C, 150W
Memory	<ul style="list-style-type: none"> • 256GB DDR4 Installed (8x 32GB DIMMs) • 24 DIMM Slots on Motherboard
Expansion	<ul style="list-style-type: none"> • 2 PCIe Gen3 x16 and 1 PCIe Gen3 x8 slot
Networking	<ul style="list-style-type: none"> • 1 OCP 2.0 Mezz. Card, Connector A+C, Type 1 • 1 Dedicated 1GbE RJ45 for IPMI
I/O	<ul style="list-style-type: none"> • 2 USB 3.0 • 1 VGA, DB15 • 1 Serial, DB9
Management	<ul style="list-style-type: none"> • IPMI 2.0 system management
Physical Dimensions	<ul style="list-style-type: none"> • Height: 87mm (3.43") • Width: 448mm (17.64") • Depth: 760mm (29.92")
Max. Weight	<ul style="list-style-type: none"> • Product without SSDs: ~20.5 kg (45.2 lbs) • Product with 24 SSDs: ~24.9 kg (54.9 lbs)
Power	<ul style="list-style-type: none"> • 1+1 1200W, CRPS, 80+ Platinum • 200–240V AC input 200–240V AC input
Cooling	<ul style="list-style-type: none"> • 5+1 60mm fans, hot-swappable
Serviceability	<ul style="list-style-type: none"> • Hot-swappable power supplies, fans, and SSD modules
Environmental	<ul style="list-style-type: none"> • Operating Temperature: 5 to 35°C • Non-op Temperature: -30 to 60°C • Humidity: -12°C dew point, 5 to 85% relative humidity • Operating Altitude: 40°C @ 3,000ft • Sound Power: < 7.5Bels @ 23°C

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