



# Ultrastar® Serv24

## Features

- Up to 184TB<sup>1</sup> 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 - front



Ultrastar Serv24 - back

<sup>1</sup>One MB is equal to one million bytes, one GB is equal to one billion bytes and one TB equals 1,000GB (one trillion bytes) when referring to storage capacity. Accessible capacity will vary from the stated capacity due to formatting and partitioning of the hard drives, the operating system and other factors.



# Ultrastar® Serv24

## Designed Enterprise and Cloud Data Centers:

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

## Specifications

<b>Max. Drives</b>	24 x 2.5" NVMe SSDs
<b>Available SSD Capacities</b>	<ul style="list-style-type: none"> <li>• 3.20TB/1.60TB, 1.2/1.7 DW/D, SanDisk® Skyhawk™</li> <li>• 3.84TB/1.92TB, 0.5/0.6 DW/D, SanDisk Skyhawk</li> <li>• 6.4TB 3 DW/D, HGST Ultrastar® SN200</li> <li>• 7.68TB 1 DW/D, HGST Ultrastar SN200</li> </ul>
<b>Available CPU Choices</b>	Entry-Level: Xeon 5120, 2.2GHz, 14C, 105W Mid-Range: Xeon 6140, 2.3GHz, 18C, 140W High-Perf: Xeon 8160, 2.1GHz, 24C, 150W
<b>Memory</b>	<ul style="list-style-type: none"> <li>• 256GB DDR4 Installed (8x 32GB DIMMs)</li> <li>• 24 DIMM Slots on Motherboard</li> </ul>
<b>Expansion</b>	2 PCIe Gen3 x16 and 1 PCIe Gen3 x8 slot
<b>Networking</b>	<ul style="list-style-type: none"> <li>• 1 OCP 2.0 Mezz. Card, Connector A+C, Type 1</li> <li>• 1 Dedicated 1GbE RJ45 for IPMI</li> </ul>
<b>I/O</b>	<ul style="list-style-type: none"> <li>• 2 USB 3.0</li> <li>• 1 VGA, DB15</li> <li>• 1 Serial, DB9</li> </ul>
<b>Management</b>	IPMI 2.0 system management
<b>Physical Dimensions</b>	Height: 87mm (3.43") Width: 448mm (17.64") Depth: 760mm (29.92")
<b>Max. Weight</b>	<ul style="list-style-type: none"> <li>• Product w/o SSDs: ~20.5 kg (45.2 lbs)</li> <li>• Product w/ 24 SSDs: ~24.9 kg (54.9 lbs)</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>• 1+1 1200W, CRPS, 80+ Platinum</li> <li>• 1+1 1200W, CRPS, 80+ Platinum</li> <li>• 200-240V AC input 200-240V AC input</li> </ul>
<b>Cooling</b>	5+1 60mm fans, hot-swappable
<b>Serviceability</b>	Hot-swappable power supplies, fans, and SSD modules
<b>Environmental</b>	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±2°C

## Contact

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