



PRODUCT BRIEF



Ultrastar® Serv60+8 68-Bay Hybrid Storage Server

Storage Server for Big Data and Software-Defined Storage

Designed for High Density and Flexibility

The Western Digital Ultrastar Serv60+8 has dual high-performance Intel® Xeon Scalable Processor-based CPUs to deliver the performance to manage demanding workloads in Software-Defined Storage (SDS) environments. With over 1.3PB with forthcoming 20TB SMR HDDs¹ in the enclosure, it delivers high density (up to 325TB per rack unit). With a choice of CPUs, memory and drives, it provides the flexibility to balance performance with cost. Western Digital HelioSeal® HDDs ensure cool running, quiet operation and high reliability and the SSDs provide a fast data tier for additional performance.

Features

- High-performance dual Intel Xeon® Scalable Processor-based server
- Choice of CPUs to match workloads
- Up to 60 (SAS or SATA) HDDs plus 8 SAS or SATA SSDs
- Hybrid support for up to 32 SSDs to create a data acceleration tier
- Patented IsoVibe™ technology ensures maximum performance even in heavy workloads
- Enterprise-grade redundant and hot-swappable PSUs and fans
- Improved cooling from innovative ArcticFlow™ technology
- Rack-mounted top cover for quick and easy service
- Over 1.3PB raw capacity with forthcoming 20TB HDDs and 15.36TB SSDs

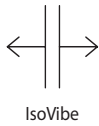
Building on Western Digital's 40-plus Years of HDD Design Experience

Developing storage devices and platforms side-by-side, enables the benefits of vertical innovation. The first of these innovative technologies are IsoVibe and ArcticFlow. IsoVibe reduces performance degradation in traditional platforms due to induced vibration from busy adjacent drives. ArcticFlow overcomes the cooling issues in a conventional dense chassis by introducing cool air into the middle of the platform. Both these technologies contribute to long-term reliability enabling a five-year limited warranty on the entire platform.

Designed for Big Data and Software-Defined Storage:

This high-capacity storage server addresses the demanding storage needs of large enterprise customers, OEMs, Cloud Service Providers and resellers/integrators that require dense, shared HDD or hybrid storage with compute included.





IsoVibe

IsoVibe Patented Vibration Isolation Technology

Precise cuts in the baseboard provide a suspension for the drives in the chassis, isolating them from transmitted vibration. The result is that consistent performance is maintained, even when all the drives are working hard.



ArcticFlow

ArcticFlow Thermal Zone Cooling Technology

By introducing cool air into the center of the chassis, drives operate at lower and more consistent temperatures than conventional systems. This results in lower fan speeds, reduced vibration, lower power consumption, quieter operation and ultimately higher reliability.

Max. Drives	<ul style="list-style-type: none"> • 60 3.5" SAS or SATA HDD slots of which up to 24 may be used for 2.5" SAS or SATA SSDs • Additionally, up to 8 SAS or SATA SSDs in center channel bays
Available CPU Choices	<ul style="list-style-type: none"> • Up to two Intel Xeon Scalable processors, up to 24 cores per processor (165W TDP)
Memory	<ul style="list-style-type: none"> • Up to 2TiB 3DS LRDIMM or RDIMM (16x DDR4-2666Mhz DIMM Slots)
Expansion	<ul style="list-style-type: none"> • 6 PCIe Gen3 Slots • 1 PCIe Gen3 x8 slot is occupied by the storage controller for the 60 bays
Networking	<ul style="list-style-type: none"> • Dual 10GbaseT Ethernet (RJ45)
I/O	<ul style="list-style-type: none"> • 2 USB 2.0 • 2 USB 3.0 • 1 VGA, DB15 • 1 RJ45 BMC / Management
Management	<ul style="list-style-type: none"> • IPMI 2.0 system management • Redfish (out of band via RJ45)
Physical Dimensions	<ul style="list-style-type: none"> • Height: 175mm (6.89") • Width: 447mm (17.61") • Depth: 1099mm (43.27") • Depth in Rack: Max of 1177mm (46.34") w/CMA
Weight	<ul style="list-style-type: none"> • Product without drives: 40.82kg (90lbs) • Product fully populated: 95.25kg (210lbs)
Power	<ul style="list-style-type: none"> • 2000W AC, Redundant Power Supplies, (80+ Platinum) • 200-240V AC input, auto ranging, 50-60Hz
Cooling	<ul style="list-style-type: none"> • 6 high-efficiency fans, front-to-rear system cooling with zero-loss backflow prevention
LED Indicators	<ul style="list-style-type: none"> • Front and Back Panel: Power, ID, Fault • Fan and Drive: Fault
Serviceability	<ul style="list-style-type: none"> • Hot-swappable power supplies, fans and drive modules
Environmental	<ul style="list-style-type: none"> • Operating Temperature: 5° to 35°C • Non-op Temperature: -40° to 70°C • Humidity: 8% to 90% relative humidity • Operating Altitude: -300m to 3048m (-984 ft to 10,000 ft)
Drive support	<ul style="list-style-type: none"> • HDD-6TB to 18TB CMR, up to 20TB SMR (forthcoming) • SSD-400GB to 7.68TB (SAS or SATA) • M.2 boot drive 120GB to 2TB (SATA/PCIe)

¹One gigabyte (GB) is equal to one billion bytes, one terabyte (TB) is equal to one trillion bytes and one petabyte (PB) is equal to 1,000 TB. Actual user capacity due to operating environment.

Western Digital

5601 Great Oaks Parkway
San Jose, CA 95119, USA
www.westerndigital.com/support

© 2018-2020 Western Digital Corporation or its affiliates. All rights reserved. Produced 07/20. Western Digital, the Western Digital logo, ArcticFlow, IsoVibe, and Ultrastar are registered trademarks or trademarks of Western Digital Corporation or its affiliates in the US and/or other countries. Intel and Xeon are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries. All other marks are the property of their respective owners. Product specifications provided are sample specifications and do not constitute a warranty. Actual specifications for unique part numbers may vary. Pictures shown may vary from actual products. References in this publication to Ultrastar products, programs or services do not imply that they will be made available in all countries. Please visit our website, www.westerndigital.com/products/storage-platforms for additional information on product specifications.