

ULYS 1.68SP

Hybrid Storage Server



ULYS 1.68SP is a 68-Bay Hybrid Storage Server for Big Data and Software-Defined Storage

IsoVibe™ 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.

Designed for High Density and Flexibility

The 2CRSi ULYS 1.68SP 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 960TB1 in the enclosure, it delivers high density (up to 240TB per rack unit). With a choice of CPUs, memory and drives, it provides the flexibility to balance performance with cost.

Designed for Big Data and Software-Defined Storage

The new, 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.

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.

Features

- High-performance Intel Xeon® Scalable Processor-based server.
- Choice of CPUs to match workloads.
- Up to 60 (SAS or SATA) HDDs plus up to 8 SAS or SATA SSDs.
- Hybrid support for up to 32 SSDs to create a data acceleration tier.
- Innovative 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 960TB raw capacity with 14TB HDDs and 15.36TB SSDs.



Informations

Max. Drives	60x 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	Up to two Intel Xeon Scalable processors, up to 24 cores per processor (165W TDP)
Memory	Up to 2TB 3DS LRDIMM or RDIMM (16x DDR4-2666Mhz DIMM Slots)
Expansion	6x PCIe Gen3 Slots 1x PCIe Gen3 x8 slot is occupied by the storage controller for the 60 bays
Networking	2x 10GbE base-T
I/O	2x USB 2.0 2x USB 3.0 1x VGA, DB15 1x RJ45 BMC / Management
Management	IPMI 2.0 system management Redfish (out of band via RJ45)
Physical Dimensions	Height: 175mm (6.89") Width: 447mm (17.61") Depth: 1099mm (43.27") Depth in Rack: Max of 1177mm (46.34") w/CMA
Weight	Product without drives: 40.82kg (90lbs) Product fully populated: 95.25kg (210lbs)
Power	2000W AC, Redundant Power Supplies, (80+ Platinum) 200-240V AC input, auto ranging, 50-60Hz
Cooling	6 high efficient fans, front-to-rear system cooling with zero-loss backflow prevention
LED Indicators	Front and Back Panel: Power, ID, Fault Fan and Drive: Fault IO Module: Power, ID, Fault
Serviceability	Hot-swappable power supplies, fans and drive modules
Environmental	Operating Temperature: 5° to 35°C Non-op Temperature: -40° to 70°C Humidity: 8% to 90% relative humidity Non-op humidity: 8% to 90% relative humidity
Drive support	HDD-6TB to 14TB SSD-400GB to 15.36TB (SAS or SATA) M.2 boot drive 120GB to 2TB (SATA/PCIe)