SVR2U24 NVMe Storage Server

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

** 1One 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.*

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.

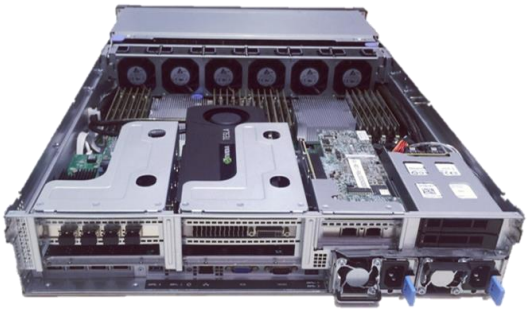
The SVR2U24 NVMe Storage Server is designed to be a performance-optimized platform for SDS. By integrating CPUs and NVMe™ SSDs in the same unit, our storage server provides a tested and validated building block for deploying the SDS stack on high-performance storage.

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 SVR2U24 NVMe Storage Server 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 SVR2U24 NVMe Storage Server 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.

SVR2U24 NVMe Storage Server - front



SVR2U24 NVMe Storage Server - back

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SVR2U24 NVMe Storage Server

Designed Enterprise and Cloud Data Centers

The SVR2U24 NVMe Storage Server is designed to elevate flash performance in demanding, software-defined storage environments.

Specifications

Max. Drives	24 x 2.5" MVMe SSDs
Available SSD Capacities	
	3.20TB/1.60TB, 1.2/1.7 DW/D, SanDisk® Skyhawk™
	3.84TB/1.92TB, 0.5/0.6 DW/D, SanDisk Skyhawk
	6.4TB 3 DW/D, HGST Ultrastar® SN200
	7.68TB 1 DW/D, HGST Ultrastar SN200
Available CPU Choices	
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	
	256GB DDR4 Installed (8x 32GB DIMMs)
	24 DIMM Slots on Motherboard
Expansion	2 PCIe Gen3 x16 and 1 PCIe Gen3 x8 slot
Networking	
	1 OCP 2.0 Mezz. Card, Connector A+C, Type 1
	1 Dedicated 1GbE RJ45 for IPMI
I/O	2 USB 3.0, 1 VGA, DB15, 1 Serial, DB9
Management	IPMI 2.0 system management
Physical Dimensions	
Height	87mm (3.43")
Width	448mm (17.64")
Depth	760mm (29.92")
Max. Weight	
Height	Product w/o SSDs: ~20.5 kg (45.2 lbs)
Width	Product w/ 24 SSDs: ~24.9 kg (54.9 lbs)
Power	
Height	1+1 1200W, CRPS, 80+ Platinum
Width	1+1 1200W, CRPS, 80+ Platinum
Depth	200-240V AC input 200-240V AC input
Cooling	5+1 60mm fans, hot-swappable
Serviceability	Hot-swappable power supplies, fans, and SSD modules
Environmental	
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 our Racklive Sales representative for information on how to order.

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