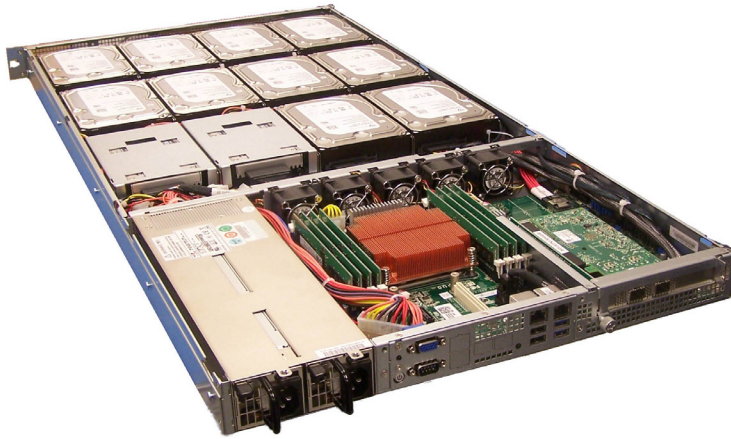# SV1112S
1U High-Density Storage Solution

With exceptional high-density storage housed in a space saving design, StackVelocity's 1U 12-bay storage solution delivers unprecedented data-mobility speeds with high reliability and lower power and operating costs.

This 1U 12-bay storage solution enables you to run object storage applications more efficiently and economically by providing abundant storage space and strong computing power support for constantly changing application requirements. The tool-less design makes installation and maintenance a snap, enabling you to keep downtime to a minimum.

Features and Benefits

To manage and operate a data center, it is important to maintain low costs but also provide the maximum uptime for your customers. The 1U storage solution provides an efficient and economical system with abundant storage that achieves price optimization.

You can tackle your most demanding storage performance requirements with the 1U storage solution's key features:

- High-density, space-saving design
- Support for NVMe and SATA/SAS hard disk drives (HDD)s and solid-state drives (SSD)s
- Tool-less design supports quick installation and easy maintenance
- Tool-less 3.5" and 2.5" drive trays
- Tool-less top cover
- Easy swap fans designed to minimize rotational vibration while providing superior cooling
- Hot swappable and redundant power supply units

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Specifications

Chassis	
Form Factor	1U EIA 310-D Rackmount
Model	SV1112S-1V4-1

Processor/Cache	
CPU	· 1x Intel® Xeon® E5-2600 v3/v4 up to 120W · Single Socket R3 (FCLGA2011-3)
Cores/Cache	Up to 18 cores/45MB cache

System Memory	
Memory Capacity	· Up to 8x DDR4 DIMM slots · Up to 2400MHz RDIMM
Memory Type	Up to 2400 ECC DDR4 SDRAM 72-bit
DIMM Size	RDIMM: 32GB, 16GB, 8GB, 4GB

On-Board Devices	
Chipset	Intel® C612 Chipset
IPMI	IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Network Controllers	· Dual port 1GbE, (Intel® Ethernet Controller I350-BT2) · Optional dual 10GbE Base-T

Additional Input/Output	
USB	2x USB 3.0 (rear), 2x USB 2.0 (rear)
Video	1 external VGA port
Serial Port/Header	1 external DB-9 serial port

Dimensions	
W x H x L	19" x 1.73" x 35.8"
Weight	31 lbs barebone system

Front Panel	
Buttons	· Power Off/On · System Reset (rear)
LEDs	· Network Activity · Drive Status · System Fault

Expansion Slots	
PCIe	1x PCIe v3.0 x16 add-on card

Drive Bays	
Storage Drives	· 12x 3.5" drives or 2.5" drives configurable for hot swappable or optional non-hot swappable · 2x internal SATA DOM (optional) · 2x internal 2.5" HDD (optional)

System Cooling	
Fans	4 +1 redundant fans

Power Supply	
500W 1+1 Redundant Gold certified hot swappable PSUs	
Total Output Power	500W
Input	110-240Vac/8-4A/50-60Hz

Operating Environment/Compliance	
Operating Temperature	10°C to 35°C
Non-Operating Temperature	- 40°C to 65°C
Operating Altitude	0 to 10,000 ft.
Non-Operating Altitude	0 to 40,000 ft.
Compliance/Regulatory	RoHS, FCC, ETL, CE

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