

4-Bay Backplane for U.2 Drives, Fits in a 5.25inch Bay, Quad-Bay Mobile Rack Enclosure for 2.5inch U.2 (SFF-8639) HDD/SSDs, Includes Mini-SAS HD Cables and Removeable Trays - Backplane with Fans

Product ID: 4U2525-SAS-BACKPLANE



This 4-Bay Drive Backplane or Mobile Rack facilitates the installation of up to four 2.5-inch U.2 (SFF-8639) NVMe SSD/HDDs within a single 5.25-inch bay.

Enhance security and stability with lockable drive trays, providing an additional layer of protection while preventing accidental hot swaps*. The LEDs provide a visual indication of individual drive status and activity.

*Hot swap support is dependent on host computer PCIe hot swap capability.

The Aluminum body is designed to facilitate heat dissipation ensuring optimal temperatures for the drives. Two rear cooling fans provide two adjustable airflow settings, ensuring reliable and sustained performance.

This mobile rack includes four 2ft (61cm) Mini-SAS HD Cables, and drive/backplane mounting screws. Power the drives through a single SATA Power connection from the desktop/server power supply.

Certifications, Reports and Compatibility



Applications

- For businesses or professionals who need a reliable data backup and archiving solution
- Add a scalable storage solution to file servers or network-attached storage (NAS) systems

Features

- **4-BAY BACKPLANE:** Add four U.2 (SFF-8639) NVMe drive bays to computer; Supports 7mm to 15mm 2.5" NVMe SSDs; Up to 32Gbps per drive with individual Mini-SAS SFF-8643 ports; Fits into a 5.25" bay; Hot swapping requires PCIe hot swap support from the host
- **SECURE DESIGN:** Lockable drive trays/caddies (2x keys incl.) keep the drives safe while adding an extra layer of security, helping to prevent accidental hot-swaps; Aluminum body aids heat dissipation; Extra drive trays sold separately (SATSASTRX25)
- **WELL VENTILATED:** Quad U.2 mobile rack with four perforated drive trays/caddies, two rear blower fans and front air vents keep drives cool for optimal performance; Rear fan switch enables the adjustment of drive cooling fans between high and low settings
- **WIDE COMPATIBILITY:** Compatible with storage management systems such as Storage Spaces (Microsoft), RAID Assistant (macOS), and mdraid/mdadm (Linux); Requires no drivers or software and works with any operating system; Supports U.2 NVMe Drives only
- **HASSLE-FREE SETUP:** Includes 4x 2ft (61cm) Mini-SAS HD cables and uses a single SATA Power connector from the desktop/server power supply for a rapid installation; Drive and backplane mounting screws included; LEDs for individual drive status and activity

Hardware

Warranty	2 Years
Front Door Key Lock	Yes
Fan(s)	Yes
Fans	2 - 35 mm
Interface	U.2 (SFF-8639; PCIe x4)
Number of Drives	4
Drive Size	2.5in
Compatible Drive Types	U.2 (PCIe, NVMe, SFF-8639)
Drive Installation	Removable
Number of 2.5 inch bays	4 Bays
Supported Drive Height(s)	7mm

	9.5mm
	12.5mm
	15mm
Fan Bearing Type	Sleeve Bearing

Performance

Air Flow Rate	2.47 CFM
Noise Level	21.3 dBA
Maximum Data Transfer Rate	32Gbps
4Kn Support	Yes
Port Multiplier	No
Hot Swap Capability	Yes
Insertion Rating	500
MTBF	30,000 Hours

Connector(s)

Drive Connectors	4 - U.2 (PCIe, SFF-8639, AHCI/NVMe)
Host Connectors	4 - SFF-8643 (36 pin, Internal HD Mini SAS)
	1 - 15 pin SATA Power Receptacle

Software

OS Compatibility	No Drivers or Software Required
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Special Notes / Requirements

Note	This product supports U.2 (SFF-8639) drives only.
	Hot swapping requires PCIe hot swap support from the host

Indicators

LED Indicators	1 - Solid Blue: Indicates the Drive is receiving power
	1 - Flashing Blue: Indicates Drive activity
	1 - Flashing Red: Indicates a Drive Cooling Fan failure

Environmental

Operating Temperature	0C to 55C (32F to 131F)
Storage Temperature	-20C to 55C (-4F to 131F)
Humidity	5% ~ 65% RH (non-condensing)

Physical Characteristics

Color	Black
Material	Aluminum
Product Length	5.7 in [14.6 cm]
Product Width	5.5 in [13.9 cm]
Product Height	1.7 in [4.2 cm]
Weight of Product	1.6 lb [0.7 kg]

Packaging Information

Package Quantity	1
Package Length	7.1 in [18.0 cm]
Package Width	8.3 in [21.2 cm]
Package Height	5.2 in [13.3 cm]
Shipping (Package) Weight	2.3 lb [1.1 kg]

What's in the Box

Included in Package	1 - 4-Bay Drive Backplane
	4 - 2ft Mini-SAS Cables
	1 - Set of Keys
	8 - Frame Mounting Screws
	16 - Drive Mounting Screws
	1 - Quick-Start Guide

**Product appearance and specifications are subject to change without notice.*

