

Datasheet



Expansion Unit

# PAX224

Synology

Expansion Unit

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## Performance Scalability for Tier-1 Workloads

Scale your PAS deployment with reliable, high-performance NVMe storage. Each PAX224 expansion unit adds 24 bays of high-performance capacity and connects directly to PAS hosts using Mini-SAS HD connections. New storage pools can be brought online in minutes and managed easily thanks to intuitive integration with the DSM Enterprise operating system.

- **Capacity Expansion**  
Add up to 24 additional 2.5" Synology U.3 NVMe drives
- **Intuitive Management**  
Create storage pools and provision volumes in minutes
- **Maximum Reliability**  
Redundant power supplies and host connections ensure reliable operation
- **Rapid Hardware Deployment**  
Modular plug-and-play design makes setup simple and fast
- **Long-Term Support**  
Backed by Synology's 5-year limited warranty<sup>1</sup>



## Engineered for Synology PAS

PAX224 expansion units are purpose-designed to add reliable, efficient, high-performance storage expansion for Synology PAS systems.

Designed for use with low latency Synology NVMe drives, each unit adds 24 additional drive bays to PAS hosts.

Direct-to-host connections using Mini-SAS HD interfaces assures expansion units achieve low latency data access with high throughput.



## High Availability and Highly Reliable

Purpose built to maintain uninterrupted data services, PAX224 expansion units fully support the active-active high availability architecture of PAS host systems, and feature redundant hardware components that eliminate single points of failure.

Plug-and-play connectivity, hot-swappable drive support, and modular trays and system fans make installation and maintenance fast and simple.

Redundant power supplies and dual host connections further assure reliability and support for active-active host architecture.



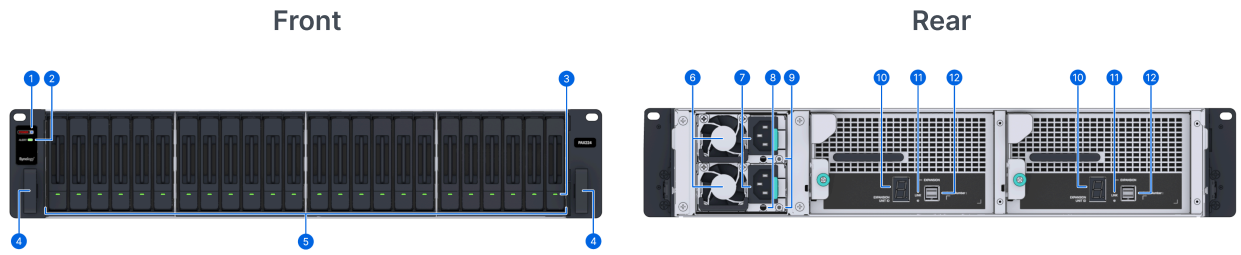
## Backed by Synology's 5-Year Limited Warranty

Synology's 5-year limited hardware warranty protects your investment against the unknown. Premium technical support services along with a comprehensive hardware replacement program are ready to help, just in case you ever need it.

### Notes:

1. The warranty period starts from the date of purchase as stated on the original purchase receipt. Visit <https://www.synology.com/company/legal/warranty> for more information.

# Hardware Overview



No.	Name	No.	Name
1.	Power indicator	7.	Power ports
2.	Alert indicator	8.	Mounting holes
3.	Drive status indicators	9.	PSU indicators
4.	Rail kit release tabs	10.	Expansion unit ID indicator
5.	Drive trays	11.	Link indicator
6.	PSU fans	12.	Expansion port

# Technical Specifications

Storage	
Drive Bays	24
Drive Type	2.5" U.3 NVMe SSD
Hot Swappable Drive	Yes
Notes	Synology only guarantees full functionality, reliability, and performance for Synology drives listed on the <a href="#">compatibility list</a> . The use of non-validated components may limit certain functionality and result in data loss and system instability.

External Ports	
Expansion Port	2

Appearance	
Size (Height x Width x Depth)	88 mm x 430.5 mm x 692 mm
Size (Height x Width x Depth) (with server ears)	88 mm x 482 mm x 724 mm
Weight	17.6 kg

Others	
System Fan	60 mm x 60 mm x 4 pcs
Power Supply Unit / Adapter	800 W
AC Input Power Voltage	100V to 240V AC
Power Frequency	50/60 Hz, Single Phase
Operating Temperature	0°C to 35°C (32°F to 95°F)
Storage Temperature	-20°C to 60°C (-5°F to 140°F)
Operating Humidity	8% to 80% RH
Storage Humidity	5% to 95% RH

## Environment & Packaging

Environment	RoHS Compliant
Packaging Content	<ul style="list-style-type: none"><li>• Main Unit X 1</li><li>• Rail Kit Sliding: <a href="#">RKS-02</a></li><li>• C13 to C14 Power Cord X 2</li><li>• Accessory Pack X 1</li><li>• Expansion Cable: Mini-SAS HD X 2</li></ul>

## Warranty

Warranty	5 Years
Notes	The warranty period starts from the purchase date as stated on your purchase receipt. ( <a href="#">Learn more</a> )

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