

SNV5420-800G

Synology SNV5420 800GB M.2 22110 PCI-e 3.0 x4 NVMe NAS Solid State Drive

Product Overview

Synology SNV5420 800GB M.2 22110 PCI-e 3.0 x4 NVMe NAS Solid State Drive, 3000 MB/s sustained Sequential Read Speed, 1000 MB/s sustained Sequential Write Speed, 1400 TB Terabytes written



Specifications

About this product

The Synology SNV5420 800GB M.2 NVMe SSD delivers enterprise-grade performance for NAS systems. With up to 3000 MB/s sequential read and 1000 MB/s write speeds, it accelerates caching and boosts NAS efficiency. Power loss protection and 1,400 TBW endurance ensure data integrity. Ideal for continuous 24/7 workloads, this SSD enhances storage performance while maintaining reliability and compatibility with Synology DiskStation Manager.

Overview Summary:

Enhance your Synology NAS performance with the SNV5420 800GB M.2 NVMe SSD. Designed for high-speed storage, this SSD delivers up to 3000 MB/s sequential read and 1000 MB/s write, making it perfect for accelerating caching and improving data handling. Shop now to boost your NAS efficiency and maintain reliable performance for 24/7 workloads.

Built with durability in mind, the SNV5420 supports over 1,400 TBW and includes power loss protection, ensuring your data stays safe while providing consistent speed. Upgrade your storage system today and experience seamless integration with Synology DSM for monitoring, firmware updates, and analytics. Buy now to optimize your NAS setup.

Performance tier:Enterprise-grade

Uses:NAS caching, high-speed storage, data acceleration, continuous workload management, system optimization

Overview:

Synology SNV5420 800GB M.2 NVMe SSD for NAS Systems

Enterprise-grade NVMe storage designed for Synology NAS devices delivers exceptional speed, reliability, and durability. The SNV5420 is engineered to accelerate your existing hard drive storage, providing faster caching and seamless data handling for 24/7 workloads.

Description:

The Synology SNV5420 M.2 NVMe SSD combines high-speed PCIe 3.0 performance with robust endurance, offering up to 3000 MB/s sequential read and 1000 MB/s sequential write speeds. With 800GB capacity and support for up to 2,900 TBW, this SSD is ideal for enhancing NAS systems, improving overall input/output performance, and extending the life of existing storage setups. It also provides end-to-end data protection, automatic firmware updates, and actionable analytics for reliable system management.

Features:**Accelerate NAS Performance**

The SNV5420 is designed to work seamlessly with Synology DiskStation Manager (DSM), transforming your NAS into a high-speed storage solution. By caching frequently accessed data, it reduces latency and boosts efficiency, allowing your storage to perform like a high-speed enterprise system without replacing existing drives.

Reliable and Consistent Speed

Engineered for continuous workloads, this NVMe SSD supports up to 660,000 random read IOPS and 120,000 random write IOPS. Its consistent performance ensures fast caching and smooth operation across the entire lifespan of the drive.

Built for Endurance and Longevity

With a maximum endurance of 2,900 TBW, the SNV5420 is built to withstand heavy usage over time. Power loss protection safeguards cached data during unexpected shutdowns, preventing data loss and maintaining system integrity.

Intelligent Monitoring and Analytics

Synology SSDs provide detailed insights into drive health and workload trends via DSM. You can monitor usage patterns, receive timely alerts, and plan maintenance proactively to maintain peak performance.

Effortless Maintenance

Firmware updates are managed automatically through DSM, keeping your drives up to date without manual intervention. This ensures your storage remains optimized, secure, and reliable at all times.

Purpose-built for Synology NAS

Every SNV5420 SSD undergoes rigorous validation and stress testing to ensure compatibility, reliability, and long-term performance in Synology systems. From power cycling to temperature testing, each drive is engineered to meet the highest enterprise standards.

Key Benefits

- High-speed 3000 MB/s read and 1000 MB/s write performance
- Up to 2,900 TBW endurance for long-lasting reliability
- End-to-end data protection with power loss safeguards
- Seamless integration with Synology DSM for caching and analytics
- Automatic firmware updates for hassle-free maintenance
- Designed and validated specifically for Synology NAS

FAQ**Is the SNV5420 compatible with all Synology NAS devices?**

It is validated for compatibility with Synology NAS models that support M.2 NVMe PCIe 3.0 x4 SSDs, ensuring reliable caching and system performance.

What is the endurance of this SSD?

The SNV5420 supports over 1,400 TBW, making it ideal for continuous NAS workloads and long-term reliability.

Does it provide data protection in case of power loss?

Yes, it features built-in power loss protection to safeguard cached data during unexpected shutdowns.

Can this SSD be monitored through Synology DSM?

Yes, Synology DiskStation Manager provides monitoring, firmware updates, and analytics for this drive, keeping your NAS optimized and reliable.

Is this suitable for 24/7 NAS operations?

Absolutely, the SNV5420 is designed for enterprise-grade, continuous operation in NAS environments.

Specifications:

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Specifications	
Product Code	SNV5420-800G
Item	SNV5420-800G
General	
Capacity	800 GB
Form Factor	M.2 2280
Interface	NVMe PCIe 3.0 x4
Performance	
Sustained Sequential read (128 KB, QD32)	3,000 MB/s
Sustained Sequential write (128 KB, QD32)	1,000 MB/s
Sustained Random Read (4KB, QD256)	400,000 IOPS
Sustained Random Write (4KB, QD256)	70,000 IOPS
Endurance and Reliability	
Terabytes Written (TBW)	>1,400 TB
Power Loss Protection	Yes
Power Consumption	
Active Read (Typ.)	5 W
Active Write (Typ.)	5.5 W
Idle	2.5 W
Temperature	

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Product Specification Sheet

Operating Temperature	0degreesC to 85degreesC (32degreesF to 185degreesF)
Storage Temperature	-40degreesC to 85degreesC (-40degreesF to 185degreesF)

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: <https://www.comx.co.za/SNV5420-800G-Synology-SNV5420-800GB-M-2-22110-PCI-e-Buy-p-330033.php>

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