

Product Specifications

SNV5420-800G

Synology

Hardware Specifications

General	
Capacity	800 GB
Form Factor	M.2 2280
Interface	NVMe PCIe 3.0 ×4
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
Notes	• Performance specifications represent single-unit SSD performance results obtained from Synology's testing environment; actual performance may vary according to the host system's hardware and software setup. • The specifications have undergone thorough review and verification by Synology to ensure they meet the performance demands and compatibility standard of each Synology system while providing high reliability. • All performance measurements refer to sustained performance achieved in a steady state, as defined by test specifications in accordance with the Storage Networking Industry Association (SNIA).
Endurance and Reliability	
Terabytes Written (TBW)*	>1,400 TB
Power Loss Protection	v

Warranty*	5 Years
Notes	• The TBW specifications denote the baseline endurance levels for Synology SSDs and are calculated using the JESD219A enterprise workload. • The warranty period starts from the purchase date as stated on your purchase receipt. (Learn more)

Power Consumption

Active Read (Typ.)	5 W
Active Write (Typ.)	5.5 W
Idle	2.5 W
Notes	Power consumption may differ according to configurations and platforms.

Temperature

Operating Temperature	0°C to 85°C (32°F to 185°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)

Compatibility

Applied Models

- [M.2 SSD via Internal slot](#)
- [M.2 SSD via E10M20-T1](#)
- [M.2 SSD via M2D20](#)
- [M.2 SSD via M2D18](#)