

THE HIGH ENDURANCE AND PERFORMANCE SSD FOR 24/7 NAS SYSTEMS

Tackle intense NAS workloads with SANDISK® NAS 800 NVMe™ SSDs with PCIe® 5.0 engineered for demanding 24/7 NAS environments. Creative teams can quickly access, transfer, and work with large media and project files stored on a NAS with sequential read/write speeds up to 14,900/13,200MB/s² (1.92TB¹ model). Engineered with a high-endurance rating of up to 14 PBW³ (7.68TB¹ model) for caching, storage tiering, or as primary storage in all-flash NAS systems. For multiuser collaborative workspaces, databases, and virtualization, SANDISK® NAS 800 SSDs can help increase system responsiveness with random read/write speeds up to 2.3M/2M IOPS² (3.84TB¹ model). Available in capacities from 960GB¹ to 7.68TB¹ built with SANDISK® TLC 3D NAND, easily scale your NAS storage capacity as your data grows. Tested for compatibility with many leading NAS systems supporting M.2 2280. For added peace of mind, these SSDs are backed by a 5-year limited warranty.⁵



(→) KEY FEATURES

■ SHIFT YOUR NAS INTO HIGH GEAR WITH PCIe® 5.0

SANDISK® NAS 800 NVMe™ SSDs deliver data throughput with sequential read/write speeds up to 14,900/13,200MB/s² (1.92TB¹ model).

■ ENGINEERED FOR 24/7 NAS SYSTEMS

SANDISK® NAS 800 NVMe™ SSDs are designed to be configured as a cache, storage tier, or as primary storage in all-flash NAS running write-intensive workloads. They are engineered with a high endurance rating of up to 14 PBW³ (7.68TB¹ model) for 24/7 NAS systems.

■ SCALE AS YOUR DATA GROWS

Available in capacities from 960GB¹ to 7.68TB¹ built with SANDISK® TLC 3D NAND, easily scale your NAS storage capacity for large project files, application datasets, media libraries, and documents.

■ BOOST YOUR NAS RESPONSIVENESS

Increase NAS system responsiveness for collaborative workspaces, databases, and virtualization with random read/write speeds up to 2.3M/2M IOPS² (3.84TB¹ model).

■ TESTED FOR LEADING NAS COMPATIBILITY

SANDISK® NAS 800 NVMe™ SSDs are tested with many leading NAS systems for compatibility, helping make upgrades seamless for NAS deployments. Compatible with many NAS deployments supporting PCIe® 5.0, 4.0 and 3.0 M.2 2280 SSDs.

■ PEACE OF MIND

SANDISK® NAS 800 NVMe™ SSDs are designed to help maximize uptime for your NAS and are backed by a 5-year limited warranty.⁵

(→) PRODUCT FEATURES

SHIFT YOUR NAS INTO HIGH GEAR WITH PCIe® 5.0

Creative teams need fast, responsive storage that can keep up with large files, concurrent users, and high-bandwidth production environments. SANDISK® NAS 800 NVMe™ SSDs with PCIe® 5.0, deliver high data throughput with sequential read/write speeds up to 14,900/13,200MB/s² (1.92TB¹ model). SANDISK® NAS 800 NVMe™ SSDs are designed for sustained throughput to help support creative professional media workflows.

SCALE AS YOUR DATA GROWS

As your data grows, your private cloud can too. Available in capacities from 960GB¹ to 7.68TB¹ built with SANDISK® TLC 3D NAND, easily scale your NAS storage capacity for large project files, application datasets, media libraries, and documents.

TESTED FOR LEADING NAS COMPATIBILITY

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ENGINEERED FOR 24/7 NAS SYSTEMS

SANDISK® NAS 800 NVMe™ SSDs are designed to be configured as a cache, storage tier, or as primary storage in all-flash NAS running write-intensive workloads. They are engineered with a high endurance rating of up to 14 PBW³ (7.68TB¹ model) for 24/7 NAS systems.

BOOST YOUR NAS RESPONSIVENESS

Help boost your NAS responsiveness for collaborative workspaces, databases, and virtualization with random I/O read/write speeds up to 2.3M/2M IOPS² (3.84TB¹ model).

PEACE OF MIND FOR YOUR NAS STORAGE

SANDISK® NAS 800 NVMe™ SSDs are designed to help maximize your uptime. They are backed by a 5-year limited warranty,⁵ helping give you confidence when deploying your NAS.

PRODUCT SPECIFICATIONS				
CAPACITIES ¹	960GB	1.92TB	3.84TB	7.68TB
MODEL NUMBERS	SDSNP2960GAN	SDSNP2192TAN	SDSNP2384TAN	SDSNP2768TAN
FORM FACTOR	M.2 2280-S3-M			M.2 2280-D5-M
INTERFACE ¹⁰	PCIe® 5.0 x4 NVMe™ 2.0			
NAND	SANDISK® TLC 3D CBA NAND			
DRAM	Yes			
SLC CACHE	Yes			
PERFORMANCE ²				
Sequential Read 1MB (MB/s) up to (Queue Depth=8, Threads=1)	14,900MB/s	14,900MB/s	14,900MB/s	14,900MB/s
Sequential Write 1MB (MB/s) up to (Queue Depth=8, Threads=1)	11,000MB/s	13,200MB/s	13,100MB/s	13,000MB/s
Random Read 4KB (IOPS) up to (Queue Depth=32, Threads=16)	1.6M IOPS	2.3M IOPS	2.3M IOPS	2.2M IOPS
Random Write 4KB (IOPS) up to (Queue Depth=32, Threads=16)	0.8M IOPS	1.5M IOPS	2M IOPS	2.1M IOPS
POWER ³				
Average Power – Read	6 W	6.5 W	6.4 W	6.9 W
Average Power – Write	5.6 W	6.4 W	6.6 W	6.9 W
Sleep (PS4)	3 mW			
RELIABILITY				
Endurance ⁴ (TBW)	1,750 TBW	3,500 TBW	7,000 TBW	14,000 TBW
MTTF ⁴ up to (hours)	1.75M Hours			
Limited Warranty ⁵	5 Years			
REGULATORY				
Certifications	BSMI, CAN ICES-3(B)/NMB-3(B), CB-Scheme, CE, FCC, KCC, Morocco, RCM, TÜV, UL, VCCI, UKCA			
RoHS Compliance	Yes			
SECURITY	TCG OPAL 2.02 ¹¹			
FEATURED SOFTWARE	SANDISK® Dashboard® (Windows® only), Acronis® True Image™ for SANDISK® software ⁷			
ENVIRONMENTAL				
Operating Temperature ⁸	32°F to 185°F (0°C to 85°C)			
Non-Operating Temperature ⁸	-40°F to 185°F (-40°C to 85°C)			
Operating Vibration	5 gRMS, 10-2000 Hz, 3 axes			
Non-operating Vibration	4.9 gRMS, 7-800 Hz, 3 axes			
Shock	1,500G @ 0.5 ms half-sine			
DIMENSIONS ⁹	Length	Width	Height	Weight
960GB - 3.84TB ¹	80mm	22mm	2.38mm	75g
7.68TB ¹	80mm	22mm	3.88mm	8.6g

¹ 1GB = 1 billion bytes, 1TB = 1 trillion bytes, and 1PB = 1 quadrillion bytes. Actual user capacity may be less depending on operating environment.

² 1MB/s = 1 million bytes per second. IOPS = input/output operations per second. Based on internal testing; performance may vary depending upon host device, usage conditions, drive capacity, and other factors.

³ Average Power – Read and Average Power – Write are measured using IOMeter 1.1.0 during a burst sequential read and write operation (measured separately) and represent a moving average over a 10 second period. Performance may vary depending on test setup, configuration and firmware version.

⁴ 1PBW (petabytes written) = 1,000 TBW (terabytes written). TBW (terabytes written) and/or PBW (petabytes written) values calculated using JEDEC client workload (JESD219) and vary by product capacity. MTTF = Mean Time To Failure based on internal testing using Telcordia™ stress part testing (Telcordia SR-332, GF, 25°C). MTTF is based on a sample population and is estimated by statistical measurements and acceleration algorithms. MTTF does not predict an individual drive's reliability and does not constitute a warranty.

⁵ 5 years or Max Endurance (TBW) limit, whichever occurs first. See support.sandisk.com for region-specific warranty details.

⁶ Available for download at sandisk.com/support

⁷ Download, installation, and administrative privileges required. Eligible purchase required. Includes a 5-year software license for compatible Sandisk drives. Redeem by December 31, 2029. User account registration may be required. Terms and conditions apply. See sandisk.com/support for eligibility requirements and additional details. Offer subject to change without notice.

⁸ Operational temperature is defined as temperature reported by the drive. Note that drive temperature readings are expected to be higher than ambient temperature when the SSD is placed inside a system. The SSD box package is rated up to 60°C. Non-operational storage temperature does not guarantee data retention.

⁹ Physical product dimensions for length and width may vary by ± 0.15mm and product weight may vary by ± 1g.

¹⁰ Backwards compatible with PCIe® 5.0 x2, 5.0 x1, 4.0 x4, 4.0 x2, 4.0 x1, 3.0 x4, 3.0 x2, 3.0 x1.

¹¹ Requires motherboard BIOS or third-party software to enable.