Last Nov 6, 2024

Product

SAT5221-3840G

Hardware Specifications

General

Capacity	3.84 TB
Form Factor	2.5" 7mm
Interface	SATA 6 Gb/s

Performance

Sustained Sequential read (128 KB, QD32)	500 MB/s
Sustained Sequential write (128 KB, QD32)	500 MB/s
Sustained Random Read (4KB, QD32)	90,000 IOPS
Sustained Random Write (4KB, QD32)	30,000 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)*	>7,000 TB
Power Loss Protection	v

Warranty*	5 Years
Notes	• 5-year limited warranty provides coverage until the end of the warranty period or until the endurance usage of the drive has been reached, whichever comes first. (Learn more) • The TBW specifications denote the baseline endurance levels for Synology SSDs and are calculated using the JESD219A enterprise workload.

Power Consumption

Active Read (Typ.)	4.5 W
Active Write (Typ.)	5 W
Idle	1.2 W
Notes	Power consumption may differ according to configurations and platforms.

Temperature

Operating Temperature	0°C to 70°C (32°F to 158°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)

Compatibility

Applied Models

- SAT5210-7000G
- SAT5221-480G
- SAT5221-1920G
- SAT5221-3840G
- SAT5220-960G