Synology

Product Specifications

SAT5220-960G

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Hardware Specifications

General	
Capacity	960 GB
Form Factor	2.5" 7mm
Interface	SATA 6 Gb/s

Performance	
Sustained Sequential read (128 KB, QD32)	530 MB/s
Sustained Sequential write (128 KB, QD32)	500 MB/s
Sustained Random Read (4KB, QD32)	98,000 IOPS
Sustained Random Write (4KB, QD32)	44,000 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)*	>1,700 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.)	2.3 W
Active Write (Typ.)	3.2 W
Idle	1.3 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