

Product Specifications

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# SAT5221-960G

Synology

## Hardware Specifications

General	
Capacity	960 GB
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	<ul style="list-style-type: none"><li>• 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.</li><li>• 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.</li><li>• 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).</li></ul>
Endurance and Reliability	
Terabytes Written (TBW)*	>1,700 TB
Power Loss Protection	v

Warranty*	5 Years
Notes	<ul style="list-style-type: none"><li>• The TBW specifications denote the baseline endurance levels for Synology SSDs and are calculated using the JESD219A enterprise workload.</li><li>• 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.</li></ul> <a href="#">(Learn more)</a>

## Power Consumption

Active Read (Typ.)	3.5 W
Active Write (Typ.)	4 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
<ul style="list-style-type: none"><li>• <a href="#">SAT5210-7000G</a></li><li>• <a href="#">SAT5221-480G</a></li><li>• <a href="#">SAT5221-960G</a></li><li>• <a href="#">SAT5221-1920G</a></li><li>• <a href="#">SAT5221-3840G</a></li></ul>