



Seagate Enterprise ST16000NM009G internal hard drive 3.5" 16 TB SAS



Brand : Seagate

Product family: Enterprise

Product code:
ST16000NM009G

Product name :
ST16000NM009G

16TB, 3.5", 12 Gb/s SAS, 7200 RPM, Cache Cache 256 MB, SED-FIPS FastFormat (512e/4Kn)

[Seagate Enterprise ST16000NM009G internal hard drive 3.5" 16 TB SAS:](#)

Maximum Storage Capacity for Highest Rack Space Efficiency

Industry's first 16 TB drive for 33% more petabytes per rack.

Highest 16 TB hard drive performance with enhanced caching, making it perfect for cloud data centre and massive scale-out data centre applications.

Hyperscale SATA model tuned for large data transfers and low latency.

PowerBalance™ feature optimises Watts/TB.

Helium sealed-drive design delivers lower total cost of ownership through lower power and weight.

Next-generation helium side-sealing weld technology for added handling robustness and leak protection.

Digital environmental sensors to monitor internal drive conditions for optimal operation and performance.

Data protection and security: Seagate Secure™ features for safe, affordable, fast, and easy drive retirement.

Seagate Enterprise ST16000NM009G. HDD size: 3.5", HDD capacity: 16 TB, HDD speed: 7200 RPM

Features		Power	
HDD size *	3.5"	Power consumption (read)	10.2 W
HDD capacity *	16 TB	Power consumption (write)	6.2 W
HDD speed *	7200 RPM	Power consumption (idle)	5 W
Interface *	SAS	Operating voltage	5 / 12 V
Type *	HDD	Operational conditions	
Component for *	Disk array	Operating temperature (T-T)	5 - 60 °C
Storage drive buffer size	256 MB	Non-operating vibration	2.27 G
HDD interface transfer rate	12 Gbit/s	Operating shock	50 G
HDD sustained transfer rate	249 MiB/s	Non-operating shock	200 G
Average latency	4.16 ms	Weight & dimensions	
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁵ bits read	Width	101.8 mm
Rotational Vibration (RV) sensors	✓	Height	26.1 mm
Mean time between failures (MTBF)	2500000 h	Depth	147 mm
		Weight	670 g
		Packaging data	
		Quantity	1

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