

Synology HAT5300-16T internal hard drive



Artikel	121062
Herstellernummer	HAT5300-16T
EAN	4711174724260
Synology	

Enterprise storage drives for Synology systems

Synology HAT5300 HDD offers class-leading performance thanks to tight integration with DSM and Synology hardware. With over 300,000 hours of in-house validation testing and backed by Synology's 5-year limited warranty¹, the HAT5300 series brings unmatched reliability to Synology deployments.

Consistent performance scaling

Through testing and optimizations, HAT5300 series HDD has been tuned to deliver up to 23% higher sustained sequential read performance³ in demanding multi-user environments.

Rigorous validation

Over 300,000 hours of stress testing with Synology devices⁴ ensure that HAT5300 drives can withstand even the most demanding enterprise environments and deliver highly reliable performance.

Effortless firmware updates

Automatic firmware updates through DSM mean that HAT5300 drives always benefit from the latest enhancements.

Durability for 24/7 environments

HAT5300 series HDD is backed by a 2.5 million hour MTTF⁵ rating, workload support of 550 TB per year, and persistent write cache technology to minimize data corruption in the event of sudden power loss.

5-year warranty

At Synology, we are committed to product innovation and quality. HAT5300 drives are backed by a 5-year limited warranty that includes technical support and hardware replacement services to maximize your return on investment.

Zusammenfassung

Enterprise storage drives for Synology systems

Synology HAT5300 HDD offers class-leading performance thanks to tight integration with DSM and Synology hardware. With over 300,000 hours of in-house validation testing and backed by Synology's 5-year limited warranty¹, the HAT5300 series brings unmatched reliability to Synology deployments.

Consistent performance scaling

Through testing and optimizations, HAT5300 series HDD has been tuned to deliver up to 23% higher sustained sequential read performance³ in demanding multi-user environments.

Rigorous validation

Over 300,000 hours of stress testing with Synology devices⁴ ensure that HAT5300 drives can withstand even the most demanding

enterprise environments and deliver highly reliable performance.

Effortless firmware updates

Automatic firmware updates through DSM mean that HAT5300 drives always benefit from the latest enhancements.

Durability for 24/7 environments

HAT5300 series HDD is backed by a 2.5 million hour MTTF5 rating, workload support of 550 TB per year, and persistent write cache technology to minimize data corruption in the event of sudden power loss.

5-year warranty

At Synology, we are committed to product innovation and quality. HAT5300 drives are backed by a 5-year limited warranty that includes technical support and hardware replacement services to maximize your return on investment.

Synology HAT5300-16T, 3.5", 16000 GB, 7200 RPM

Synology HAT5300-16T. HDD size: 3.5", HDD capacity: 16000 GB, HDD speed: 7200 RPM

Merkmale

Logistics data

Harmonized System (HS) code	84717050
-----------------------------	----------

Power

Power consumption (read)	7.63 W
Power consumption (write)	7.63 W
Power consumption (idle)	4 W
Operating voltage	5 / 12 V

Weight & dimensions

Width	101.8 mm
Height	26.1 mm
Depth	147 mm
Weight	720 g

Operational conditions

Operating temperature (T-T)	5 - 60 °C
Storage temperature (T-T)	-40 - 70 °C
Operating relative humidity (H-H)	5 - 90%
Storage relative humidity (H-H)	5 - 95%
Operating vibration	0.75 G
Non-operating vibration	3 G
Operating altitude	-305 - 3048 m
Non-operating altitude	-305 - 12192 m
Operating shock	70 G
Non-operating shock	250 G

Features

HDD size	3.5"
HDD capacity	16000 GB
HDD speed	7200 RPM
Interface	Serial ATA III
Type	HDD
Component for	NAS
Storage drive buffer size	512 MB
HDD interface transfer rate	6 Gbit/s
HDD sustained transfer rate	262 MiB/s
24/7 operation	Y
Workload rate limit	550 TB/year
Mean time to failure (MTTF)	2500000 h

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.