



HARD DISK DRIVE KIT Data Sheet

Best-Performing, Highest-Capacity Storage for 1- to 8-Bay NAS Systems

- Seagate® NAS HDD kits are built and tested to provide industry-leading performance for small NAS systems.
- NASWorks[™] technology supports customized error recovery controls, power management and vibration tolerance for optimal performance and reliability in a 1- to 8-bay solution with 20 users or less.
- NAS error recovery controls optimize drive health by helping to ensure drives are not dropped from the NAS and sent into a RAID rebuild.
- Improved vibration tolerance and emission in multi-drive systems with dual-plane balance.
- Advanced power management supports multiple power profiles for low-power, 24x7 performance.
- Quiet drive operation enhances customer experience in living room or office environments.

Best-Fit Applications

- Home/SOHO NAS desktop towers
- Desktop RAID
- Backup and disaster recovery
- Print and file servers
- Multimedia server/storage
- Archival
- Virtualization
- Small-business file sharing
- Backup servers







HARD DISK DRIVE KIT

Specifications							
Retail Packaging	Product Dimensions	Box Dimensions	Master Carton Dimensions	Pallet Dimensions			
Height (in/mm)	5.75/146.05	5.94/150.83	15.75/400.05	47.94/1217.68			
Width (in/mm)	4.0/101.6	7.75/196.85	5.0/127.0	37.44/950.97			
Depth (in/mm)	1.0/25.4	2.38/60.325	6.06/154.0	45.13/1146.3			
Weight (lb/kg)	1.39/0.63	1.74/0.78	7.38/3.35	1030.60/468.46			
Quantities	1.03/0.00	1.14/0.10	7.00/0.00	1000.00/400.40			
Boxes per Master Carton	4						
Master Cartons per Pallet	126						
Pallet Layers	6						
NASWorks							
Number of Drive Bays Supported	1 to 8						
Dual-Plane Balance	Yes						
Vibration Tolerance for Small NAS	Yes						
NASWorks Error Recovery Control	Yes						
Voltage (Per Drive)	100						
Voltage Tolerance, Including Noise (5V)	±5%						
Voltage Tolerance, Including Noise (5V) Voltage Tolerance, Including Noise (12V)	±50% ±10%						
Power Management (Per Drive)	<u></u> ±10 /0						
Startup Current, Average (12V, A)	2						
Operating Mode (W)	4.8						
Idle Average (W)	3.95						
Standby/Sleep Mode (W)	0.5						
	0.5						
Power Management	2						
Startup Current (12V, A max)							
Operating Average (W)		4.8					
Idle Average (W)	3.95 0.5						
Standby/Sleep Mode (typical, W)	0.5						
Environmental (Per Drive)							
Temperature (°C)	0						
Operating (ambient min)	0						
Operating (drive case max)	70						
Nonoperating (ambient)	-40 to 70						
Temperature Gradient,	20/30						
Operating/Nonoperating (°C per hour max)							
Shock	00						
Operating: 2ms (max, Gs)	80						
Nonoperating: 2ms (max, Gs)	300						
Acoustics							
Idle (typical, bels) ¹	2.3						
Operational (typical, bels)	2.5						
Reliability (Per Drive)	1000.000						
Load/Unload ²	600,000						
Nonrecoverable Read Errors per Bits Read, Max	1 per 10E14						
Power-On Hours	8760						
Mean Time Between Failures (MTBF, hours)	1M						
Warranty, Limited (years)	3						
System Requirements							
SATA 6Gb/s interface connector or motherboard or		to SATA 3Gb/s)					
Works with all current versions of Windows®, Mac® and Linux							
See NAS Manufacturers web pages for more information on compatibility							
Inside the Box							
Seagate® NAS HDD							
Quick installation guide							
3-year limited warranty							

Region	Product	Capacity ³	Model Number	UPC Code	EAN	Multipack UPC
WW	NAS HDD	4TB	STBD4000100	763649073117	7636490071669	10763649073114

¹ Idle measured in Idle1 state.

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AMERICAS ASIA/PACIFIC EUROPE, MIDDLE EAST AND AFRICA Seagate Technology LLC 10200 South De Anza Boulevard, Cupertino, California 95014, United States, 408-658-1000 Seagate Singapore International Headquarters Pte. Ltd. 7000 Ang Mo Kio Avenue 5, Singapore 569877, 65-6485-3888 Seagate Technology SAS 16–18, rue du Dôme, 92100 Boulogne-Billancourt, France, 33 1-4186 10 00

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² Load/Unload tested to 600,000 cycles.

³ One terabyte, or TB, equals one trillion bytes when referring to drive capacity.