NAS
HDD

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, 24×7 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

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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				
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)				
Voltage Tolerance, Including Noise (5V)	±5%			
Voltage Tolerance, Including Noise (12V)	±10%			
Power Management (Per Drive)				
Startup Current, Average (12V, A)	2			
Operating Mode (W)	4.8			
Idle Average (W)	3.95			
Standby/Sleep Mode (W)	0.5			
Power Management				
Startup Current (12V, A max)	2			
Operating Average (W)	4.8			
Idle Average (W)	3.95			
Standby/Sleep Mode (typical, W)	0.5			
Environmental (Per Drive)				
Temperature (°C)				
Operating (ambient min)	0			
Operating (drive case max)	70			
Nonoperating (ambient)	−40 to 70			
Temperature Gradient, Operating/Nonoperating (°C per hour max)	20/30			
Shock				
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)				
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 add-in card (backward compatible 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.
2 Load/Unload tested to 600,000 cycles.
3 One terabyte, or TB, equals one trillion bytes when referring to drive capacity.

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