ST2000NM0011

SEAGATE 2TB SATA III 6G RAID Ready HDD

Product Overview

SEAGATE 2TB SATA III 6G RAID Ready HDD 7200rpm, 32MB



Specifications

Features:

- Reduces design and support costs by building on the Seagate best-in-class enterprise storage foundation.
- Features a range of high capacities - from 500GB to 2TB - in a 3.5 inch enterprise-class hard disc drive.
- Offers a traditional 3.5 inch form factor with enhanced rotational vibration tolerance and high data integrity for enterprise-class reliability in a cost-effective drive.
- Delivers proven reliability, with an MTBF of 1.2 million hours and enhanced end-to-end data integrity with the Protection Information feature.
- Lets you choose a 6Gb/s Enterprise SATA or 6Gb/s SAS interface, which eases integration and delivers up to double the throughput of 3Gb/s nearline hard drives.
- Reduces energy and cooling costs, with the lowest power consumption of any nearline 3.5 inch drive.
- Includes Seagate PowerChoice technology for even greater on-demand power savings during slow or idling periods.
- TCG-compliant, Self-Encrypting Drive (SED) security option eliminates the need to overwrite or physically destroy drives, enables safe return of drives for warranty or expired lease purposes, and allows organisations to repurpose or sell hard drives securely.
- Meets regulatory data security compliance requirements and is FIPS 140-2 Validated to protect data classed as Sensitive but Unclassified and Protected.

SPECIFICATIONS	
Model Number	ST2000NM0011
Interface	SATA 6Gb/s
Cache	64MB
Capacity	2TB
Areal density (avg)	324Gb/in2
Guaranteed Sectors	3, 907, 029, 168

PHYSICAL	
Height (maximum)	26.10mm
Width (maximum)	101.85mm
Length (maximum)	147.00mm
Weight (typical)	710g
PERFORMANCE	
Spin Speed (RPM)	7200 RPM
Sustained data transfer rate	147Mb/s
Average latency	4.16ms
Random read seek time	8.5ms
Random write seek time	9.5ms
I/O data transfer rate	600MB/s
Unrecoverable read errors	1 in 1015
RELIABILITY	
MTBF	1, 200, 000 hours
Annual Failure Rate	0.73%
POWER	
12V start max current	2.10A
5V start max current	0.53A
Average idling power	6.24W
Average operating power	8.94W
ENVIRONMENT	
Operating Ambient Temperature	5 degrees-60 degreesC
Non-operating Ambient Temperature	-40 degrees-70 degreesC
Maximum operating temperature change	20 degreesC per hour
Maximum non-operating temperature change	20 degreesC per hour
SHOCK	
Operating shock (max)	70/40 Gs for 2ms
Non-operating shock (max)	300 Gs for 2ms
ACOUSTICS	
Acoustics (Idling Volume)	2.7 bels
Acoustics (Seek Volume)	3.0 bels

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/ST2000NM0011-SEAGATE-2TB-SATA-III-6G-RAID-Ready-HDD-p-47419.php

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