ST2000NM0033

Seagate Constellation 2TB ES.3 Series SATA3 (6Gb/s) Plus RAID Drive

Product Overview

Seagate Constellation, 2TB, ES-3 Series, Serial ATA III (SATA3), Plus RAID Drive, Serial ATA 600 (6Gbps), With 128MB Cache.



Specifications

Oveview:

The Constellation ES.3, with the industry's highest capacities in a 3.5 inch HDD form factor, is the perfect foundation for building maximum density server and storage solutions. Building high capacity RAID storage solutions requires predictable and consistent performance. With the Constellation ES.3, we take it a step further and ensure that your data is stored reliably in multi-drive chassis solutions.Storing massive amounts of unstructured data is easy and smart with the Constellation ES.3. Designed with best-in-class energy efficiency, it uses a minimum power and cooling envelope.

Features:

Maximise your data footprint
The Constellation ES.3 features the industry's largest capacities in a 3.5 inch form factor. Build cost-effective maximum capacity storage solutions with enterprise-class, 7,200-rpm. Select from sixth-generation SAS or SATA interfaces for easy integration.

Energy-efficient data access
Among 3.5 inch form factor drives, the Constellation ES.3 features the lowest operating power in the industry, less than 10.68W on average. Additionally, Constellation ES.3 hard drives further reduce power with enhanced PowerChoice technology. Purpose-built for enterprise environments, the PowerChoice feature enables the T10-compliant power management standard, allowing organisations to tailor systems for optimal energy usage, resulting in up to 90% more power savings.

Drive reliability that you can trust
The Constellation ES.3 provides enhanced error correction, super-parity and end-to-end SAS-based data integrity for accurate data storage each and every time. With its robust 7,200-rpm performance, ramp load technology and a humidity sensor for optimum performance, it is the perfect solution for maximising your enterprise system availability. Powered by our multi-drive firmware and with enhanced rotational vibration tolerance, the Constellation ES.3 can help to ensure consistent and reliable performance. In addition, data is protected on the drive with our Self-Encrypting Drive option with FIPS 140-2 and Seagate

Instant Secure Erase.

Specifications:

© 2014 Respective owners and brand holders. This table has been carefully researched and generated by ComXpert International CC (http://www.comx.co.za), however, errors and omissions may occur. Only references to South Africa apply. All products are sourced in South Africa from the official suppliers and the warranty is that of the local supplier. E&OE. This table and our site's content may be used on condition that this notice and link remains intact and unaltered.

Specifications	
Product Code	ST2000NM0033
Size and Overlook	
Formatted Capacity	2 TB
Form Factor	3.5
Performance	
Spindle Speed (RPM)	7200
Cache (MB)	128
Transfer Rate, Max Ext (MB/s)	600
Sustained Data Rate OD	175 MB/s
Average Latency (ms)	4.16
Reliability/Data Integrity	
Nonrecoverable Read Errors per Bits Read	1in 1015
Annualized Failure Rate (AFR)	0.63 %
Power Management	
Idle, Typical Operating (W)	5.17
Temperature	
Operating	5 degrees to 60 degreesC
Non-operating	-40 degrees to 70 degreesC
Shock	
Operating: Gs (ms)	70/40 (2ms)
Non-operating: Gs (ms)	300 (2ms)
Acoustics (bels - sound power)	
Idle	2.8
Operating	3
Physical	
Weight (lb/g)	1.400/635
Additional	
Generation	ES.3
Capacity	2TB
Interface	SATA 6Gb/s

Spindle Speed (RPM)	7200RPM
Cache (MB)	128MB
Areal Density	566
Maximum Operating Shock	70/40Gs
Maximum Length	147.00mm
Maximum Width	101.85mm
Maximum Height	26.10mm
AFR	0.63 %
Operating Temperature	60 degreesC
Average Operating Power	9.42W

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/ST2000NM0033-Seagate-Constellation-2TB-ES-3-Series-SATA3-6Gb-s-Plus-RAID-Drive-p-90472.php

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: https://www.comx-computers.co.za/terms-of-use.php
Terms of Sale: https://www.comx-computers.co.za/terms-of-sale.php

PDF generated: 2026-11-22 08:07:52.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.