ComX Computers
Product Specification Sheet

ST1000NM0023

Seagate Enterprise Capacity 3.5" 1TB RAID Edition SAS SCSI drive

Product Overview

Seagate Enterprise Capacity 3.5 HDD 1TB RAID Edition SAS - Serial Attached SCSI (SAS) 128MB Cache @ 7200rpm



Specifications

Overview:

The Seagate Enterprise Capacity 3.5 HDD (formerly Constellation ES) delivers the scalability that data centres need to reliably meet their demanding growth of unstructured data.

- Up to 5TB per drive for maximum density server and storage solutions
- Perfect for reliable, 24 bulk data storage
- Predictable 7200-RPM performance in SAS or SATA environments
- Energy efficient with low power and cooling requirements
- SED and SED FIPS options to protect data and ease disposal costs

Supersize Your Data Centre Storage
The Enterprise Capacity 3.5 HDD is the perfect foundation for building maximum density server and storage solutions. These 5TB 3.5-inch capacity-optimised hard drives support the highest density storage per square foot for a great return-on-investment.

Reliable Bulk Data Storage for a 24x7 World
Building high capacity RAID storage in multi-drive chassis requires predictable and consistent performance. The Enterprise Capacity 3.5 HDD 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 7200-RPM performance, multi-drive firmware, ramp load technology and a humidity sensor it's the perfect solution for maximising your enterprise system consistency and reliability in even the harshest environments.

24 Energy Efficient Data Storage
Storing massive amounts of unstructured data is easy and energy efficient with the Enterprise Capacity 3.5 HDD. It uses a minimum power (less than 10.9W on average) and cooling envelope to store up maximum capacity bulk data in the smallest footprint. Purpose-built for enterprise environments, Seagate PowerChoice technology enables the T10-compliant power management standard, allowing organisations to tailor systems for optimal energy usage resulting in up to 90% more power savings.

Protect Data with SED Options

Enterprise Capacity 3.5 HDD protects data where it lives n the drive. Choose from Self-Encrypting Drive and SED FIPS 140-2 options* from the ES.3, ES.2 and ES drive generations. Also included is Seagate technology for easy and cost effective drive disposal:

What's In the Hard Drive?

- Highest reliability with an MTBF of 1.4M hours
- Super-parity and humidity sensors keep the drive operating even in the harshest environments
- 6Gb/s performance in both SAS and SATA interfaces
- Seagate Instant Secure Erase for secure, easy and cost-effective drive disposal
- Seagate RAID Rebuild speeds up RAID recovery times significantly
- Up to 5TB

Specifications:

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Specifications	
Product Code	ST1000NM0023
Generation	ES.3
Capacity	4TB
Interface	SAS 6Gb / s
Spin Speed	7200RPM
Cache	128MB
Areal Density	578
Maximum Operating Shock	70 / 40Gs
Maximum Length	147.00mm
Maximum Width	101.85mm
Maximum Height	26.10mm
AFR	0.0063
Operating Temperature	60 degreesC
Average Operating Power	11.86W

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/ST1000NM0023-Seagate-Enterprise-Capacity-3-5-1TB-RAID-Edition-SAS-SCSI-drive-p-86818.php

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