ComX Computers
Product Specification Sheet

ST2000NX0343

Seagate Exos 7E2000 2TB 512e SAS SED 2.5" Drive

Product Overview

Seagate Exos 7E2000 ST2000NX0343 2TB 512e SAS SED 2.5" Drive, 12GB/s Interface, RPM7200, 128MB cache



Specifications

Features:

- Up to 2 TB capacity in 15mm z-height, 2.5-inch form factor for space-constrained data centres
- Designed for high-density storage solutions requiring environmentally sound low power consumption and low weight for maximum storage efficiency
- Choose 12 Gb/s SAS for high data integrity, scalability and fast data access or SATA 6 Gb/s for economical nearline performance
- Third-generation, enterprise-class reliability for 24x7 environmental robustness
- Advanced sector formats (4K Native and 512 Emulation) as well as 512 Native support for legacy systems
- Highest efficiency with over 50% improvement in watts/TB, and 18% sequential performance improvement compared to the previous generation
- Improved rotational vibration tolerance and head micro-actuation maximises system availability and performance
- Lowest enterprise operating power and enhanced PowerChoice options for additional power savings during idle periods
- Protect data where it lives - on the drive - by choosing from government-grade SED FIPS 140-2 option or SED models with Seagate Instant Secure Erase technology for easy and cost-effective drive disposal1

Specifications:

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Specifications	
Product Code	ST2000NX0343
Specifications	5xx Emulation
Capacity	2 TB
Standard Model Number	ST2000NX0273

SED Model Number	ST2000NX03432
SED-FIPS Model Number	ST2000NX03532
Features	
PowerChoice On-Demand Power Option	Yes
Protection Information	Yes
Low Halogen	Yes
RAID Rebuild	Yes
Reliability/Data Integrity	
Mean Time Between Failures (MTBF, hours)	2.0 million
Reliability Rating @ Full 24x7 operation (AFR)	0.44%
Non-recoverable Read Errors per Bits Read	1 sector per 1015
Power-On Hours per Year	8760
Bytes per Sector	512, 520, 528
Performance	
Spindle Speed (RPM)	7200
Cache Buffer, Multisegmented (MB)	128
Interface Access Speed (Gb/s)	12.0, 6.0, 3.0
Max. Sustained Transfer Rate (MB/s)	136
Average Latency (ms)	4.16
Interface Ports	Dual
RV Tolerance (rad/s2 to 1,800 Hz)	16
Power Management	
Idling Power (W)	3.53
Typical Operating, Random Read (W)	6.02
PowerChoice Technology (Standby) (W)	1.52
Power Supply Requirements	+12 V and +5 V
Environmental	
Temperature, Operating (degreesC)	5 to 55
Vibration, Operating, 5 Hz to 500 Hz (Gs)	0.5
Vibration, Non-operating, 5 Hz to 500 Hz (Gs)	3
Shock, Operating, 2ms (Gs)	25

Shock, Non-operating, 2 ms (Gs)	400
Acoustics, typical - idling (bels)	2.8
Acoustics, typical - seek (bels)	3.2
Physical	
Height (in/mm)	0.591/15.00
Width (in/mm)	2.760/70.10
Depth (in/mm)	3.955/100.45
Weight (lb/kg)	0.437/0.198
Carton Unit Quantity	40
Cartons per Pallet	60
Cartons per Layer	10

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/ST2000NX0343-Seagate-Exos-7E2000-2TB-512e-SAS-SED-2-5-Drive-p-212262.php

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