ComX Computers
Product Specification Sheet

ST33000650NS

Seagate Constellation ES Series - 3TB Hard Drive

Product Overview

Seagate Constellation ES Series - 3TB Serial ATA III (SATA3) Plus RAID Drive - Serial ATA 600 (6Gbps) With 64MB Cache @ 7200RPM.



Specifications

Features:

- Industry's highest capacity enterprise drive for sustaining demanding data growth.
- Fifth-generation, capacity-optimized nearline drive designed for 24 x 7 enterprise reliability.
- SAS-based, end-to-end data integrity and enhanced error correction for accurate data storage.
- Best-in-class enhanced rotational vibration tolerance ensures consistent bulk data performance.
- Improved power and cooling efficiencies with low power consumption and enhanced PowerChoice technology.
- Multi-drive firmware maximized for enterprise system availability.
- Robust performance with dual processor and ramp load technologies.

SPECIFICATIONS	
Model Number	ST33000650NS
Interface	SATA 6Gb/s
Cache	64MB
Capacity	3TB
Areal density (avg)	444Gb/in2
Guaranteed Sectors	5, 860, 533, 168
PHYSICAL	
Height (maximum)	26.10mm
Width (maximum)	101.85mm
Length (maximum)	147.00mm
Weight (typical)	700g
PERFORMANCE	

Spin Speed (RPM)	7200 RPM
Sustained data transfer rate	155MB/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 Rat	0.73%
POWER	
12V start max current	2.04A
5V start max current	0.54A
Average idle power	7.471W
Average operating power	10.68W
ENVIRONMENT	
Operating Ambient Temperature	5 degrees-60 degreesC
Nonoperating Ambient Temperature	-40 degrees-70 degreesC
Maximum operating temperature change	20 degreesC per hour
Maximum nonoperating temperature change	20 degreesC per hour
SHOCK	
Operating Shock (max)	70/40 Gs for 2ms
Nonoperating Shock (max)	300 Gs for 2ms
ACOUSTICS	
Acoustics (Idle Volume)	2.8 bels
Acoustics (Seek Volume)	3.2 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/ST33000650NS-Seagate-Constellation-ES-Series-3TB-Hard-Drive-p-50800.php

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