

Seagate Exos 7E10 ST6000NM001B - hard drive - 6 TB - SAS 12Gb/s(ST6000NM001B)

Seagate Exos 7E10 ST6000NM001B - Hard drive - 6 TB - internal - SAS 12Gb/s - 7200 rpm - buffer: 256 MB



The Seagate Exos 7E10 enterprise hard drive confidently stores enough of data without sacrificing performance. The secure, high-capacity, high-performance drives are optimized for demanding enterprise bulk data applications.

Key Selling Points

- Enterprise drive for bulk data applications
- Robust bulk data storage for a 24x7 world
- High performance for mainstream data center applications
- Enhanced reliability, data protection, and security

Product Features

Enterprise drive for bulk data applications

The Exos 7E10 hard drives support high capacity, offering bulk data storage for data center infrastructures requiring a highly reliable enterprise hard drive. The Exos 7E10 provides cost-effective, reliable access to unstructured data. The Exos 7E10 drive helps to catalyze the data-sphere, enabling data center architects and IT professionals to deliver trusted performance, rock-solid reliability, ironclad security, and low TCO for demanding 24x7 operations.

Robust bulk data storage for a 24x7 world

With state-of-the-art cache, on-the-fly error-correction algorithms, and rotational vibration design, the Exos 7E10 helps ensure consistent performance in replicated and RAID multi-drive systems.

High performance for mainstream data center applications

Meet your storage workload requirements in efficient and cost-effective data center footprint. With user-definable innovative technology advancements like PowerChoice and Seagate RAID Rebuild, you can tailor your near-line storage requirements for even greater improvements in lowering your TCO.

Enhanced reliability, data protection, and security

Advanced security features help protect data where it lives - on the drive. The Exos 7E10 prevents unauthorized drive access and safeguards stored data with security features. Seagate Secure drives simplify drive repurposing and disposal, help protect data-at-rest, and comply with corporate and federal data security mandates.

Main Specifications

Product Description	Seagate Exos 7E10 ST6000NM001B - hard drive - 6 TB - SAS 12Gb/s
Type	Hard drive - internal
Capacity	6 TB
Interface	SAS 12Gb/s
Data Transfer Rate	1.2 GBps
Buffer Size	256 MB
Spindle Speed	7200 rpm
Features	PowerChoice, Dual Port, Low Halogen, Super Parity, T10 Data Integrity Field (DIF), PowerBalance, 24x7 availability, advanced format 512n, Advanced Write Caching
Dimensions (WxDxH)	101.85 mm x 147 mm x 26.11 mm
Weight	716 g
Manufacturer Warranty	5-year warranty

Extended Specification

General

Device Type	Hard drive - internal
Capacity	6 TB
Interface	SAS 12Gb/s
Buffer Size	256 MB
Features	PowerChoice, Dual Port, Low Halogen, Super Parity, T10 Data Integrity Field (DIF), PowerBalance, 24x7 availability, advanced format 512n, Advanced Write Caching
Width	101.85 mm
Depth	147 mm
Height	26.11 mm
Weight	716 g

Manufacturer Warranty

Service & Support	Limited warranty - 5 years
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Power

Power Consumption	7.24 Watt (idle) 11.34 Watt (random read)
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Environmental Parameters

Min Operating Temperature	5 °C
Max Operating Temperature	60 °C
Shock Tolerance (operating)	40 g @ 2 ms
Shock Tolerance (non-operating)	150 g @ 1 ms
Vibration Tolerance (non-operating)	5 g @ 10-500 Hz

Performance

Drive Transfer Rate	1.2 GBps (external)
Internal Data Rate	236 MBps
Average Latency	4.16 ms
Spindle Speed	7200 rpm

Reliability

MTBF	2,000,000 hours
24x7 Operation	Yes
Non-Recoverable Errors	1 per 10^15

Expansion & Connectivity

Interfaces	1 x SAS 12 Gb/s
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