

Seagate Exos 7E10 ST6000NM020B (ST6000NM020B)

Seagate Exos 7E10 ST6000NM020B - Hard drive - 6 TB - internal - SAS 12Gb/s - 7200 rpm - buffer: 256 MB



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

Key Selling Points

- Enterprise drive for bulk data applications
- Robust bulk data storage for a 24 x 7 world
- High performance for mainstream data center applications

Product Features

- Enterprise drive for bulk data applications
Exos 7E10 hard drive offers bulk data storage for data center infrastructures requiring a highly reliable enterprise hard drive. Exos 7E10 provides cost-effective, reliable access to unstructured data. The Exos 7E10 drive helps to catalyze the datasphere, enabling data center architects and IT professionals to deliver great performance, rock-solid reliability, ironclad security, and low TCO for demanding 24 x 7 operations.
- Robust bulk data storage for a 24 x 7 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 multidrive systems.
- High performance for mainstream data center applications
Meet your storage workload requirements in the efficient and cost-effective data center footprint. The Exos 7E10 delivers easy integration into bulk storage systems. With user-definable innovative technology advancements like PowerChoice and Seagate RAID Rebuild, you can tailor your nearline storage requirements for even greater improvements in lowering your TCO.

Main specifications

Product Description	Seagate Exos 7E10 ST6000NM020B - 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, advanced format 512e, advanced format 4Kn, 24x7 availability, Advanced Write Caching, Seagate Fast Format
Dimensions (WxDxH)	101.85 mm x 147 mm x 26.11 mm
Weight	650 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, advanced format 512e, advanced format 4Kn, 24x7 availability, Advanced Write Caching, Seagate Fast Format

Width	101.85 mm
Depth	147 mm
Height	26.11 mm
Weight	650 g

Manufacturer Warranty

Service & Support	Limited warranty - 5 years
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Power

Power Consumption	6.59 watt (idle) ¦ 10.8 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	250 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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