

Seagate Exos X16 ST16000NM001G

Hard drive - 16 TB - internal - SATA 6Gb/s - 7200 rpm - buffer: 256 MB

Group	HDDs
Manufacturer	Seagate
Manufacturer item no.	ST16000NM001G
EAN/UPC	8719706008594



Description

Seagate manufactures hard drives that specifically address the needs of the hyperscale storage market. As the flagship of the Seagate X class, the Exos X16 enterprise hard drives are the highest-capacity hard drives in the fleet.

Main features

Product Description	Seagate Exos X16 ST16000NM001G - hard drive - 16 TB - SATA 6Gb/s
Type	Hard drive - internal
Capacity	16 TB
Interface	SATA 6Gb/s
Data Transfer Rate	600 MBps
Buffer Size	256 MB
Spindle Speed	7200 rpm
Features	PowerChoice, Low Halogen, Super Parity, Hot-Plug Support, PowerBalance, advanced format 512e, advanced format 4Kn, Organic Solderability Preservative, Seagate Fast Format, Helium Sealed-Drive Design
Dimensions (WxDxH)	101.85 mm x 147 mm x 26.11 mm
Weight	670 g

Extended details

General	
Device Type	Hard drive - internal
Capacity	16 TB
Interface	SATA 6Gb/s
Buffer Size	256 MB
Features	PowerChoice, Low Halogen, Super Parity, Hot-Plug Support, PowerBalance, advanced format 512e, advanced format 4Kn, Organic Solderability Preservative, Seagate Fast Format, Helium Sealed-Drive Design
Width	101.85 mm
Depth	147 mm
Height	26.11 mm
Weight	670 g

	Performance
Drive Transfer Rate	600 MBps (external)
Internal Data Rate	261 MBps
Average Latency	4.16 ms
Spindle Speed	7200 rpm
	Reliability
MTBF	2,500,000 hours
Non-Recoverable Errors	1 per 10^15
	Expansion & Connectivity
Interfaces	1 x SATA 6 Gb/s
	Power
Power Consumption	5 Watt (idle) 10 Watt (maximum) 6.3 Watt (random read/write)
	Manufacturer Warranty
Service & Support	Limited warranty - 5 years
	Environmental Parameters
Min Operating Temperature	5 °C
Max Operating Temperature	60 °C
Shock Tolerance (operating)	50 g @ 2 ms
Shock Tolerance (non-operating)	200 g @ 2 ms
Vibration Tolerance (non-operating)	2.27 g @ 2-500 Hz

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