

What interface does the ST8000NM0055 have



Overview

SEAGATE ST8000NM0055 PRODUCT MANUAL Pdf DownloadIn addition to providing a locking mechanism to prevent unwanted firmware download attempts, the drive also.

Key Takeaways

The Seagate ST8000NM0055 uses a Serial ATA III (SATA 6 Gb/s) interface.

The ST8000NM0055 is an 8 TB enterprise-class 3.5-inch hard drive that connects via Serial ATA III, also known as SATA 6 Gb/s . This interface provides a maximum data transfer rate of 600 MB/s and supports features such as Native Command Queuing (NCQ), which optimizes the order of read and write commands for improved performance in demanding applications .

Key Features of the SATA III Interface on ST8000NM0055

- Point-to-point connection: Each drive connects directly to the host adapter, eliminating master/slave configurations typical of parallel ATA .
- Plug-and-play installation: No jumpers or special configuration is required, simplifying setup .
- Backward compatibility: SATA III drives can operate with SATA II or SATA I ports, though at reduced speeds .
- Flexible cabling: Thinner and more flexible cables improve airflow and ease of installation in server or storage enclosures .

- Emulation of parallel ATA: The drive can emulate legacy PATA behavior for software compatibility, using shadow registers to mimic Device 0 (master) behavior .

Overall, the SATA III interface ensures that the ST8000NM0055 is compatible with modern enterprise storage systems while maintaining high throughput and reliability for data-intensive workloads .

Article Content

Seagate Exos 7E8 4kN 5xxE 6TB & 8TB SATA Product Manual

The Serial ATA interface cable consists of four conductors in two differential pairs, plus three ground connections. The cable size

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

