

Product Overview

Cheetah® 15K.7

**Highest capacity, performance and reliability
in 3.5-inch mission-critical storage**

Key Features and Benefits

- Highest-performance 3.5-inch drive
- Highest-capacity Tier 1, mission-critical drive (up to 600 GB)
- Highest reliability rating in the industry
- Seagate® PowerTrim™ technology dynamically reduces power usage.
- Supports 6-Gb/s transfer rates and SAS 2.0 feature set, and 4-Gb/s FC
- Reduces RAID rebuild times while minimizing reliability risks
- Government-grade Self-Encrypting Drive option*
- Self-Encrypting Drive (SED) option cuts IT drive retirement expenses while securely protecting data and is one of the easiest, most cost-effective security measures you can implement.*

Best-Fit Applications

- Email
- Business and transaction processing
- Decision support
- Storage area networks and network attached storage
- Internet and e-commerce
- Government-grade, data-at-rest security when drives leave your control*
- Drive retirement cost reduction and drive life extension strategies*

*Requires TCG-compliant host or controller support



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Product Description

Seagate Cheetah 15K.7 drives reduce costs for 3.5-inch Tier 1 solutions, helping to sustain business. They have the highest performance, capacity and reliability of any 3.5-inch mission-critical drive. The drive has up to 600 GB of capacity, which reduces storage costs per GB and increases capacity per watt. The Cheetah 15K.7 drive includes Seagate PowerTrim technology, which dynamically optimizes drive power consumption at all levels of activity.

The drive is leveraged from the highly successful Cheetah 15K.6 platform and has the industry's highest reliability rating, reducing drive replacement costs. The drive is available with a SAS or FC interface and is the highest-performing 3.5-inch drive in the world. The drive reduces RAID rebuild times while minimizing reliability risks. The SAS drives will support 6-Gb/s transfer rates as part of the new SAS 2.0 feature set. SAS 2.0 was developed to provide additional signal and data integrity features to enable SAS to be ideally suited for use in high-end network storage applications.

The Cheetah 15K.7 drive is the second generation of Cheetah drives available with a Self-Encrypting Drive (SED) option,* providing government-grade data security and instant secure erase for drives reused, recycled or returned for expired lease, repair or warranty.

*Requires TCG-compliant host or controller support

Specifications

Capacity	600, 450, 300 GB
Interface	6 Gb/s SAS 2.0, 4 Gb/s FC
Spindle Speed	15,000 RPM
Reliability	0.55% AFR/1.6M hours MTBF
Cache	16 MB
Form factor	3.5-inch

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