

Product Overview

Cheetah® NS.2

**Lowest power, highest reliability
for 3.5-inch Tier 1 solutions**

Key Features and Benefits

- Lowest-power 3.5-inch Tier 1 drive (over 20 percent lower than any other 3.5-inch Tier 1 drive)
- Highest-capacity Tier 1 drive (600 GB)
- Highest reliability rating in the industry
- Seagate® PowerTrim™ technology dynamically reduces power usage.
- Supports 6-Gb/s SAS 2.0 (600 GB and 450 GB) and 4-Gb/s FC
- Government-grade Self-Encrypting Drive option¹

Best-Fit Applications

- Email
- Business processing
- Transaction processing
- Decision support
- Storage area networks
- Networked attached storage
- Internet and e-commerce

¹ The Self-Encrypting Drive option is available only to major OEMs.



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Lowest power, highest reliability
for 3.5-inch Tier 1 solutions



Product Description

Seagate Cheetah NS.2 drives reduce costs for 3.5-inch Tier 1 solutions, helping to sustain business. It has up to 600 GB of capacity, which is the highest capacity of any Tier 1 mission-critical drive. This higher capacity reduces storage costs per GB and increases capacity per watt. The drive also includes Seagate PowerTrim technology, which dynamically optimizes drive power consumption at all levels of activity. The Cheetah NS.2 drive has over 20 percent lower power consumption than any 3.5-inch Tier 1 mission-critical drive.

The Cheetah NS.2 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 (600 GB and 450 GB) or FC interface. 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 NS.2 drive is the second generation of Cheetah drives available as a Self-Encrypting Drive for designated OEMs, providing government-grade data security and instant secure erase for drives reused, recycled or returned for expired lease, repair or warranty.

Specifications	
Capacity	600, 450 and 300 GB
Interface	6-Gb/s SAS 2.0 (600 and 450 GB), 4-Gb/s FC
Spindle Speed	10,000 RPM
Reliability	0.55% AFR/1.6M hours MTBF
Cache	16 MB
Form factor	3.5-inch

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