

PRODUCT OVERVIEW

# Cheetah 15K.4

Mainstream enterprise disc drive

Simply the best price/  
performance, lowest cost of  
ownership disc drive ever



## KEY FEATURES AND BENEFITS

- The Cheetah® 15K.4 is the highest-performance drive ever offered by Seagate®, delivering maximum IOPS with fewer drives to yield lower TCO.
- The Cheetah 15K.4 price-per-performance value united with the breakthrough benefits of serial attached SCSI (SAS) make it the optimal 3.5-inch drive for rock solid enterprise storage.
- Proactive, self-initiated background management functions improve media integrity, increase drive efficiency, reduce incidence of integration failures and improve field reliability.
- The Cheetah 15K.4 shares its electronics architecture and firmware base with Cheetah 10K.7 and Savvio™ to ensure greater factory consistency and reduced time to market.

## KEY SPECIFICATIONS

- 146-, 73- and 36-Gbyte capacities
- 3.3-msec average read and 3.8-msec average write seek times
- Up to 96-Mbytes/sec sustained transfer rate
- 1.4 million hours full duty cycle MTBF
- Serial Attached SCSI (SAS), Ultra320 SCSI and 2 Gbits/sec Fibre Channel interfaces
- 5-year warranty

*For more information on why 15K is the industry's best price/performance disc drive for use in mainstream storage applications, visit <http://specials.seagate.com/15k>*

“As data continues to grow exponentially, a faster and more efficient means of accessing the data and transferring it to storage will become an issue for more companies....Whether using it as a single drive or in an array, the Seagate 15K will offer the optimum performance.”

– CRN Test Center

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### PRODUCT DESCRIPTION

The new Cheetah 15K.4 enterprise disc drive offers an unprecedented blend of high performance and cost effectiveness. Seagate has dramatically improved Cheetah speed by delivering seek times as fast as 3.3 msec, latencies as low as 2 msec and an increase in data rates of up to 30 percent over the previous generation. This enables the Cheetah 15K.4 to meet throughput requirements under highly demanding conditions with fewer drives, significantly lowering TCO. And the Cheetah 15K.4 achieves these performance gains while maintaining the same power, shock and acoustic characteristics of its 15K.3 predecessor.

### THE SEAGATE ADVANTAGE

- The Cheetah 15K.4 is the lowest cost-per-performance disc drive from Seagate, benefiting from the team experience acquired over four generations of Cheetah 15K-RPM products.
- The Cheetah 15K.4 delivers 30 percent more IOPS and 20 percent faster response times than 3.5-inch 10K drives.
- Cheetah 15K.4 enables higher performance with fewer drives, and fewer drives mean lower total cost of ownership.

### SPECIFICATIONS

Capacity (Gbytes)	146, 73, 36
Seek Time, Read/Write (average, msec)	3.3/3.8
Transfer Rate, Sustained (Mbytes/sec)	Up to 96
MTBF, Full Duty Cycle (hours)	1.4 million
Power Consumption (W, idle)	7.98 to 13.77
Interface	Serial Attached SCSI (SAS) Ultra320 SCSI 2 Gb/s Fibre Channel
Warranty (years)	5

### APPLICATIONS

Environments where reliability and I/O performance are paramount, including:

- E-mail
- Online transaction processing (OLTP)
- Enterprise, Internet and e-commerce servers
- Database server applications, data warehousing and mining
- Storage area networks (SAN) and supercomputers
- Multi-user multimedia, digital A/V and image processing
- Graphics and medical imaging, scientific workstations

### ENABLING NEW OPPORTUNITIES

- Cheetah 15K.4 drives are leading storage solutions into greater performance/value parity with today's dynamic, on-demand enterprise systems.
- Cheetah 15K.4 drives offer lasting value, enabling systems to keep up with growing performance needs over a longer period of time.
- Storage Performance Council (SPC) testing, which includes e-mails in its workloads, verifies the cost efficiency of Cheetah 15K drives. SPC test results rank servers equipped with Cheetah 15K drives above the majority of all servers tested. (All top SPC price/performance servers used 15K drives.)

For more information, go to [www.seagate.com](http://www.seagate.com)

#### Storage Segments

- Network Storage
- Server Storage
- High-Density Storage
- Nearline Storage
- Low-Cost Server
- PC Commercial
- PC Consumer
- Notebook
- DVR
- Gaming/Audio/Other
- Handheld

