

PRODUCT OVERVIEW

NL35 Series SATA

Nearline-ready 500GB, 400GB and 250GB
SATA disc drives

Stronger and smarter
SATA drives for nearline RAID
applications



KEY FEATURES AND BENEFITS

- RAID-friendly integration features increase system uptime, optimize performance and ease management
- Superior reliability enables operation in nearline RAID environments without compromising application performance or availability
- Industry's highest capacity ensures maximum scalability in dynamic, capacity-intensive nearline RAID systems
- Leverages SAS compatibility with SATA to enable tiered storage systems that can be tuned to meet a wide range of performance and capacity points

KEY SPECIFICATIONS

NL35 Series SATA Disc Drive

- 500GB, 400GB and 250GB capacities
- SATA 3Gb/s serial interface with NCQ (Native Command Queuing)
- Best-in-class rotational vibration tolerance (500GB drive)

NL35 Series SATA

Nearline-ready 500GB, 400GB and 250GB SATA* disc drives

PRODUCT DESCRIPTION

NL35 Series is a family of high-capacity, low-cost-per-GB enterprise disc drives that fills the price/performance gap between online and offline storage. NL35 Series SATA drives are stronger and smarter than other SATA drives, making them ideal for RAID-based nearline applications. Delivering the massive capacity, high reliability and RAID-friendly integration features required by capacity-intensive, 24x7 nearline applications, NL35 Series drives enable nearline RAID systems that perform more reliably and are easier to build and support.

THE SEAGATE ADVANTAGE

- Seagate® is the leader in nearline storage with the NL35 Series, the industry's broadest product line of high-capacity, cost-effective disc drives for the enterprise.
- While cost-effective, Seagate NL35 Series disc drives are fully RAID-ready, with high reliability in nearline RAID environments.
- The unique Seagate Workload Management feature protects NL35 Series drives from peak workloads to optimize drive reliability.
- Seagate NL35 Series drives have high tolerance to rotational vibration, making them ideal for closely packed RAID system designs.
- NL35 Series drives are protected by the unparalleled Seagate 5-Year Warranty.

SPECIFICATIONS

	500GB	400GB, 250GB
Capacity (Gbytes)	500	400, 250
Spindle Speed (RPM)	7200	7200
Cache, Multisegmented (Mbytes)	8,16	8,16
Seek Time, Read/Write (average, msec)	8.5/9.5	8.0/9.0
Transfer Rate, Sustained (Mbytes/sec)	65	65
Power Consumption (watts, idle)	7.4	7.4
Rotational Vibration (rad/sec)	12.5	8.5
Acoustics Idle (bels—sound power)	2.8	2.8
Limited Warranty (years)	5	5

APPLICATIONS

- D2D (disc-to-disc) backup/recovery storage
- Virtual tape backup/recovery storage
- Fixed-content storage for image and document management
- Lower-tiered storage of regulatory compliance or other reference data
- Video archiving for security/surveillance and video distribution

SYSTEM INTEGRATION

Seagate NL35 Series disc drives speak the “language” of complex system controllers and hosts, simplifying system integration, improving RAID performance and reducing drive failures. The NL35 Series has the industry's most comprehensive set of nearline RAID integration features, including Error Recovery Control, One-Step Microcode Download and Write Same.

SAS/SATA TIERED STORAGE

The NL35 Series SATA disc drives leverage SAS compatibility with SATA to enable tiered storage in a single enterprise-class SAS infrastructure. Hundreds or thousands of NL35 Series SATA disc drives can be deployed and managed within a single SAS domain, enabling highly scalable, cost-effective storage solutions for capacity-intensive nearline applications.

*Fibre Channel versions available exclusively through leading storage system manufacturers.

For more information, go to 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

