

PRODUCT OVERVIEW

EE25 Series

20-, 30- and 40-Gbyte disc drives

Highly reliable storage for extreme environmental conditions, such as automotive, industrial PC, field computing and military applications



KEY FEATURES AND BENEFITS

- RunOn Technology reliably delivers multimedia content under high-vibration, high-humidity and extreme temperature conditions
- High capacities bring worry-free media and GPS services to the automobile, capacity-hungry imaging and data applications to critical field applications
- Design Service Centers assist OEMs with integrating the HDD into hardened computing and entertainment systems designed for use in extreme environments

KEY SPECIFICATIONS

- 20-, 30- and 40-Gbyte capacities
- -30° to 85°C operating temperature range
- Up to 2.0 Gs operating vibration tolerance

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THE SEAGATE ADVANTAGE

Today technology and entertainment companies are innovating with new product categories that bring data-intensive, full-motion graphics to the harsh world of mobile electronics. These companies require imperviousness to the elements—operation under harsh temperature conditions, reliable data storage and delivery during high-vibration operation, and high reliability in the most rugged of environments.

The new Seagate® EE25 Series gives OEMs new options for high-capacity HDD storage. The EE25 Series is designed specifically for operation in “extreme environments” using Seagate RunOn Technology, a feature set that drives reliable performance in high-vibration, high-humidity and extreme temperature conditions. Applications as mission-critical as military field systems and as entertaining as automobile multimedia systems will benefit from the EE25 Series drive’s ability to deliver rich content under the harshest conditions.

NEW CUSTOMER REQUIREMENTS

The EE25 Series, based on the Seagate third-generation platform for laptop computers, will satisfy the needs of manufacturers of systems meant for use outside of the safe environs of the office and home.

- Automotive entertainment and GPS systems
- Ultra-rugged mobile computing systems
- Industrial PC applications requiring 24x7 operation at elevated temperatures
- Mission-critical field applications for military and other extreme environments

These applications additionally require the most stringent system design for ruggedness, durability and protection from hostile environments. Seagate Design Service Centers offer manufacturers and system designers an array of services to assist in the design and testing of new HDD-capable systems. Seagate Design Service Centers specifically offer services designed for automotive system integration, with a complete array of facilities, equipment and personnel dedicated to the specialized needs of the automotive industry.

SPECIFICATIONS

Capacities (Gbytes)	20, 30, 40
Interface	PATA and SATA
Spindle Speed (RPM)	5400
Sustained Transfer Rate	25
Operating Temperature	–30 to 85
Acoustics, Operating (typical/bels)	<25
Startup power	6.0

APPLICATIONS

- Automotive entertainment, navigation and data delivery systems
- Industrial PCs used for process monitoring and data acquisition
- Military field imaging and information systems

ADDITIONAL FEATURES

- Optimized for high-humidity and high-altitude operation
- Head/disc contact sensing and real-time temperature reporting
- Mature fluid dynamic bearing motor technology operates at low acoustic levels

COMPATIBILITY

The Seagate EE25 Series is compatible with systems interfacing with standard Parallel ATA or Serial ATA devices.

ENABLING NEW OPPORTUNITIES

IDC forecasts the HDD market for automotive systems to reach 10 million units by 2008. Automobile systems are currently implementing hard drive storage for navigation and entertainment systems. GPS systems are using HDD storage to supplant optical-based systems for improved graphics and increased navigational coverage. Additionally, automobile entertainment systems are serving music, video and data to passengers in the car. Military systems are providing sophisticated mapping and tactical information in intuitive image-based formats.

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

Automotive

DVR

Gaming/Audio/Other

Government

Handheld

