Product Overview

EE25.2 Series™

Designed for reliable performance in extreme environments

Key Features and Benefits

- Extends drive operating temperatures from as low as –30°C to as high as +85°C, enabling reliable data storage in applications from Scandinavia to the Sahara
- Able to operate at extreme altitudes (–1000 to 18,100 feet/ –305 to 5500 meters)
- Delivers maximum reliability in high vibration and high humidity conditions
- Protects data during the sudden shocks of operating in vehicles, ruggedized computers and other situations requiring maximum robustness
- Built for reliable operation in 24x7, 8760 hours-per-year environment
- 1-million-hours MTBF

Key Specifications

- Entertainment, information and navigation systems for automobiles, marine vessels, and military and commercial aircraft
- Ruggedized laptop PCs
- Military, municipal and civil equipment exposed to vibration and temperature extremes
- Commercial/industrial control systems
- Mobile or remote surveillance video systems
- Digital signage
- Medical devices

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Hard Drives in Extreme Settings

Entertainment, navigation and productivity/control data live side by side in emerging applications that are exposed to extreme conditions but expected to be accessible on demand. Automotive, marine and aircraft systems increasingly carry audio and video content; military systems and ruggedized computers deliver (literally) mission-critical information; and all require the hard drive's capacity and value, even in hostile, extreme environments.

The second generation of 2.5-inch EE25 Series drives from Seagate® is designed for the temperature, vibration, humidity and other environmental requirements of these applications.

- Operating temperature specifications of –30°C to 85°C make the EE25 Series drive resistant to environmental conditions that would cause lesser drives to fail.
- Operating altitude as high as 18,100 feet (5500 meters) and as low as –1000 feet (–305 meters) below sea level
- Delivers reliability in environments with operating vibration up to 2.0 Gs
- RunOn™ technology reliably delivers multimedia content under high-vibration, high-humidity, extreme-temperature conditions.

Specifications	
Capacities (GB)	40 and 80
Interface	PATA and SATA
Spindle Speed (RPM)	5400
Operating Temperature (°C)	–30 to +85
Operating Altitude (m)	–305 to + 5500
Operating Vibration (Gs, 5 to 500 Hz)	2.0
Operating Shock (Gs, 11 ms/2 ms)	150/300

Markets and Applications

- Automotive, military, aerospace, marine, industrial and commercial applications requiring storage solutions capable of operating in extreme environments.
- Embedded fanless computing systems (EE25 Series drives do not need add-on heaters or cooling devices.)

Partnership—Seagate Customer Experience Engineering assist OEMs with integrating the drive into hardened computing and entertainment systems designed for use in extreme environments.

Reliable Performance in Extreme Environments

The second-generation Seagate EE25 Series drive provides affordable, rugged digital storage with high reliability, in capacities up to 80 GB, with full operating capability from –30°C to +85°C and 2-G vibration robustness from 5 to 500 Hz, at altitudes from –1000 to 18,100 feet (–305 to 5500 meters). The EE25.2 Series drive, available in native PATA and SATA configurations, helps avoid the high costs of solid-state storage. The world of rugged storage is expanding quickly; take advantage of the growth with this extreme-environment hard drive.

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