



imagine true long distance performance

The Samsung Flash Solid-State Drive (SSD) sets new benchmarks for speed, energy efficiency and reliability in mobile PC's. Gone are the frustrating days of long booting times, exhausted batteries or devastating harddisk crashes. With our SSD, you'll no longer run dry on your flights. Get in touch with us, we help your business grow.

Fast. Light. Reliable. Fully compatible with mobile PC's and Windows® certified.





Samsung Flash Solid-State Drive (SSD)

Breakthrough Flash Storage Device

High-Performance, Low-Power Storage Device for Mobile PC's is Light, Rugged and Reliable

Samsung's Solid-State Drive (SSD) is an advanced NAND flash-based replacement for traditional hard disk drives, leveraging the company's longtime leadership in memory technology. This next-generation solution offers several advantages over rotating magnetic media such as significantly lower power consumption, remarkable ruggedness, high reliability, less weight and outstanding performance. According to iSuppli, approximately 60% of notebooks will have flash-enabled storage by 2010.

Buy our 4GB Solid-State Drive to truly benefit from Vista's Ready Boost™!

Excellent Read/Write and Boot-up Performance



The performance of Samsung's SSD exceeds that of a similarly sized hard drive by more than 150%. For example, it can read data at a rate of 60MB per second and achieves write speeds of 40MB per second, which is more than twice as fast as comparable hard disk drives. Its speed lets PC users cut boot-up time in half when compared to a conventional 1.8-inch hard drive. As a non-volatile storage device, the SSD has no moving parts such as the motor, disks and heads of a hard drive. Thus it eliminates spin-up time, seek time and rotational latency while delivering sustained high-speed data transfers. The SSD is also extremely friendly to its surroundings. Its lack of moving parts makes it noise free and its ultra-low power consumption virtually eliminates heat emissions.

The SSD is also highly rugged, standing up to shock and vibration damage while performing in extreme temperatures from -25° to 85° Celsius. These performance features make it well suited to a broad range of environments, including those in the demanding military and industrial areas.

Samsung SSD Key Benefits for mobile PC's

REDUCED POWER REQUIREMENTS

- No moving parts to use power
- Super-low operating and standby power needs
- Extends battery life up to 10%

FAST PERFORMANCE

- No spin up, seek time, rotational latency
- Only 0.2ms random access time
- Up to 120MB/s read, 100MB/s write

RELIABILITY

- No mechanical parts
- Extreme resistance to shock & vibration
- Operates in extreme temperatures (-25° to 85°C)

IMPROVED OPERATION

- Noise free, virtually no heat emissions
- Less than half the weight of conventional hard drive

Fully Compatible with Mobile and Ultra-mobile PC's

Samsung designed the SSD so that some models look like a hard disk drive from the outside. The host interface is fully compliant with the ATA-7 specification, some ATA-8 commands and supports PIO modes 0-4 and UDMA mode 4 (Ultra DMA 66MHz). The SSD is available in 2.5-inch and 1.8-inch form factors with storage capacities ranging from 4 to 64 gigabytes. The SSD drive comes in PATA and SATA versions and is fully compatible with mobile PC's.



1.8" 64GB SSD
PCB Front

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