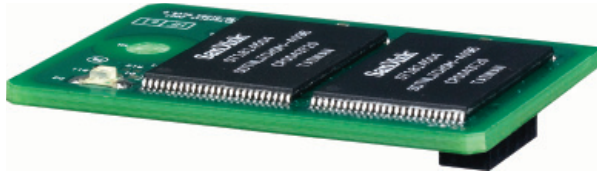


uSSD™ 5000 solid state drives

Rugged & Reliable
Cost Effective
High Performance



SanDisk uSSD™ 5000 solid state drive takes the benefits of flash to new markets with low-capacity storage requirements, most notably the low cost PC (LCPC). Rugged and reliable, it is a fraction of the size and cost of the hard disk drive (HDD) in the 1 to 8 GB* range. SanDisk adds high performance to the uSSD 5000 solid state drive offering, with an advanced controller that represents the company's years of USB expertise.

Applications

SanDisk uSSD 5000 solid state drive offers a no-compromise flash-based storage solution for:

- LCPCs that must be rugged reliable and require up to 4GB storage. uSSD 5000 solid state drive can meet these requirements more efficiently than the HDD.
- Desktops that support Microsoft® Vista and can benefit from enabling ReadyBoost®.
- Point of sale (POS) stations, where uSSD 5000 solid state drive replaces the HDD.
- Blade servers, where uSSD 5000 solid state drive is ideal to store critical backup files and provide boot functionality.

Rugged & Reliable

Unlike the HDD, SanDisk uSSD 5000 solid state drive has no moving parts. It keeps working in challenging environments such as classrooms, kiosks and in space-restricted server racks. Our patented flash management technology brings top data integrity to uSSD 5000 solid state drives, even during power loss. Dynamic bad block management, dynamic and static wear-leveling, and robust error detection and correction code (EDC/ECC) ensure data reliability.

High Performance

SanDisk uSSD 5000 solid state drives achieve a sustained read speed as high as 31 MB/sec and a sustained write speed of up to 24 MB/sec with single-level cell (SLC) technology.

Cost Effective

Why pay for more capacity than you need? uSSD 5000 solid state drives let you purchase just the right amount, packed inside a memory device that's one-quarter the size of the 1.8" HDD. It offers you the choice of SLC flash technology or the cost-effective multi-level cell (MLC) technology.

SanDisk®

Specifications

High Performance*

SLC flash

- Sustained Read 31.6 MB/sec
- Sustained Write 24.8 MB/sec

MLC flash

- Sustained Read 29.9 MB/sec
- Sustained Write 12.8 MB/sec

Form Factors

- 2x5 header, x86 internal USB standard
- Configurations: Standard, low profile

Electrical Specifications

- DC supply voltage: 5V ($\pm 10\%$)
- Active mode: 150 mA (typ)

Compatibility and Certifications

- USB 2.0 interface, certified by the USB organization
- Complies with Microsoft Vista ReadyBoost requirements
- RoHS & Chinese RoHS Compliance

Wide OS Support

- Microsoft XP Embedded, Microsoft Windows for Point of Service, Microsoft Win.CE, Microsoft XP Pro, Microsoft Windows Server 2003, Microsoft Windows Vista (ReadyBoost & Storage), and Linux

Environmental Specifications

- Operating temperature: 0°C to +70°C
- Storage temperature: -55°C to +95°C
- Operating altitude: up to 80,000 feet
- Operating shock: 50g, 11msec, half sine
- Non-operating shock: 1,500G, 0.5msec, half sine
- Operating vibration: 2.17gRMS (20Hz to 2000Hz)
- Non-operating vibration: 3.08gRMS (20Hz to 2000Hz)

Mechanical Specifications

- Standard: 26.65mm X 37.80mm X 10.60mm
- Low profile: 26.65mm X 37.80mm X 6.88mm

* 1 gigabyte (GB) = 1 billion bytes; 1 megabyte (MB) = 1 million bytes; speeds based on internal testing; performance may be lower depending on host device. Some of the listed capacity is used for formatting and other functions, and thus is not available for data storage.

** Based on internal testing. The MTTF calculation does not take into account the disk endurance limitation. For the disk endurance, please refer to the endurance section in the product specification.

High Reliability

- Unlimited Read cycles
- Dynamic and static wear-leveling
- Dynamic bad block management
- Advanced EDC/ECC
- Up to 4M mean time to failure (MTTF)** hours

Wide Capacity Range

- SLC flash: 1GB to 8GB
- MLC flash: 2GB to 8GB

Limited Warranty

- 3 years

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