

SSDNow

SSDNow mS100



Save space, time and money.

Kingston's SSDNow mS100 is a small form factor, caseless solid-state drive ideal for enthusiasts, system builders and OEM customers who can now build smaller systems with bigger results.

The mS100 SSD is 8 times smaller than a traditional 2.5-inch hard drive, making it perfect for hard drive replacements in small form factor or embedded system builds.

By integrating Kingston's mS100 mSATA SSD with a hard drive and Intel's Smart Response Technology on a Z68 motherboard, desktop users can experience the performance of an SSD with the large capacity and low cost of a hard drive. Intel's technology recognizes frequently accessed data and copies them to the SSD (SSD caching). This decreases system, application and frequently accessed software load times.

mS100 is covered by a three-year warranty, 24/7 technical support and legendary Kingston® reliability.

- > 8X smaller than a standard 2.5-inch hard drive
- > Works with Intel's Smart Response Technology
- > Hard drive replacement

Features/specs on reverse >>

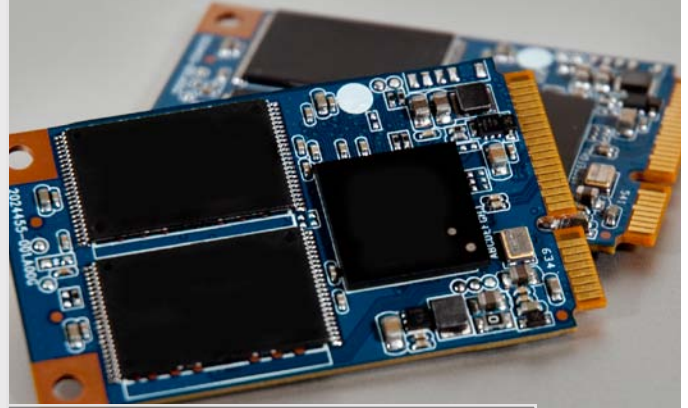
SSDNow mS100

FEATURES/BENEFITS

- > **Multiple Capacities** — to fit your design needs
- > **Supports Intel's SRT** — optimizes SSDs to act as boot drives for quick access to frequently used applications or files (caching)
- > **Supports S.M.A.R.T.** — monitors the status of your drive
- > **Supports TRIM** — ensures maximum performance on compatible operating systems
- > **Guaranteed** — three-year warranty, 24/7 tech support

SPECIFICATIONS

- > **Form factor** mSATA
- > **Interface** SATA Rev. 2.0 (3Gb/s) , SATA Rev. 1.0 (1.5Gb/s)
- > **Capacities**¹ 32GB & 64GB
- > **Sequential Read**²
 - 64GB – 255MB/s
 - 32GB – 135MB/s
- > **Sequential Write**
 - 64GB – 170MB/s
 - 32GB – 90MB/s
- > **Random Read IOPS/s**³
 - 64GB – 11,000
 - 32GB – 5,000
- > **Random Write IOPS/s**
 - 64GB – 3,000
 - 32GB – 3,000
- > **Warranty/support** three-year warranty with free 24/7 support
- > **Power Consumption**
 - 0.11W (TYP) Idle / 1.55 (TYP) Read / 3.18 W (TYP) Write
- > **Dimensions** 50.88mm x 30mm
- > **Weight** 7.3g
- > **Operating temperatures** 0°C ~ 70°C
- > **Storage temperatures** -40°C ~ 85°C
- > **Vibration operating** 2.17G
- > **Vibration non-operating** 20G
- > **MTBF** 1,000,000 Hrs



KINGSTON PART NUMBERS

SMS100S2/32G

SMS100S2/64G

1. Please note: Some of the listed capacity on a Flash storage device is used for formatting and other functions and thus is not available for data storage. As such, the actual available capacity for data storage is less than what is listed on the products. For more information, go to Kingston's Flash memory Guide at kingston.com/flash_memory_guide.

2. Based on "out-of-box performance" with ATTO Disk Benchmark 2.41. Speed may vary due to host hardware, software, and usage.

3. Based on "out-of-box performance" with IOMeter.

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