



## SSDNow V300

### FEATURES/BENEFITS

- > **Faster** — improves speed of loading applications and system boot up
- > **Reliable** — with no moving parts, solid-state drives are less likely to fail than standard hard drives
- > **Economical** — design optimised to make migrating to an SSD more affordable
- > **Convenient** — all-in-one kits with all the components for easy installation
- > **Multiple capacities** — to fit your workload
- > **Form factor** — 2.5-inch drive available in 7.0mm with adapter to fit in 9.5mm systems
- > **Silent** — cool and silent operation
- > **Guaranteed** — three-year warranty, free technical support

### SPECIFICATIONS

- > **Form factor** 2.5"
- > **Interface** SATA Rev. 3.0 (6Gb/s) – with backwards compatibility to SATA Rev. 2.0
- > **Capacities**<sup>1</sup> 60GB, 120GB, 240GB
- > **Sequential reads**<sup>2</sup> SATA Rev. 3.0 up to: 450MB/s
- > **Sequential writes**<sup>2</sup> SATA Rev. 3.0 up to: 450MB/s
- > **Maximum random 4k read/write**<sup>3</sup>
  - 60GB — up to 85,000 / up to 60,000 IOPS
  - 120GB — up to 85,000 / up to 55,000 IOPS
  - 240GB — up to 85,000 / up to 43,000 IOPS
- > **PCMARK® Vantage HDD Suite score**
  - 60GB: 39,000
  - 120GB: 49,000
  - 240GB: 57,000
- > **Power consumption**
  - 0.640 W idle / 1.423 W read / 2.052 W write
- > **Storage temperatures** -40°C~85°C
- > **Operating temperatures** 0°C~70°C
- > **Dimensions** 69.8mm x 100.1mm x 7mm
- > **Weight** 86g
- > **Vibration operating** 2.17G peak (7–800Hz)
- > **Vibration non-operating** 20G peak (10–2000Hz)
- > **Life expectancy** 1 million hours MTBF
- > **Warranty/support** three-year warranty with free technical support
- > **Total Bytes Written (TBW)**<sup>5</sup>
  - 60GB: 32TB
  - 120GB: 64TB
  - 240GB: 128TB



Test system: Dell XPS 8500, Intel H77 chipset, Intel Core i7-3770 CPU, 8GB system memory. SSD tested as a primary drive with results based on "out-of-box" performance.

This SSD is designed for use in desktop and notebook computer workloads and is not intended for server environments.

1 Please note: Some of the listed capacity on a Flash storage device is used for formatting and other functions and is thus 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](http://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.

4 Operating system software support: Windows® 7, Windows Vista® (SP2), Windows XP (SP3)

5 Total Bytes Written (TBW) refers to how much total data can be written to an SSD for a given workload before the drive reaches its endurance limits.

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FLASH DRIVE  
FLASH V300  
SOLID-STATE DRIVE  
DURABLE STORAGE  
IOPS



### KINGSTON PART NUMBERS

SV300S37A/60G	Stand-alone drive
SV300S37A/120G	Stand-alone drive
SV300S37A/240G	Stand-alone drive
SV300S3D7/60G	Desktop upgrade kit
SV300S3D7/120G	Desktop upgrade kit
SV300S3D7/240G	Desktop upgrade kit
SV300S3N7A/60G	Notebook upgrade kit
SV300S3N7A/120G	Notebook upgrade kit
SV300S3N7A/240G	Notebook upgrade kit
SV300S3B7A/60G	Desktop/Notebook upgrade kit
SV300S3B7A/120G	Desktop/Notebook upgrade kit
SV300S3B7A/240G	Desktop/Notebook upgrade kit

### PACKAGE CONTENTS

- Desktop upgrade kit
  - 3.5" bracket & mounting screws
  - SATA data & power cables
  - Hard drive cloning software (CD)<sup>4</sup>
  - Installation video (DVD)
- Notebook upgrade kit
  - 2.5" USB enclosure
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