SSD*Now* V310

Revive your computer — and add capacity.

Kingston's SSD*Now* V310 solid-state drive dramatically improves the responsiveness of your system. It features a Phison 3108 controller and achieves speeds of 450MB/s read and write[1], making it 10 times faster than a 7200RPM hard drive[2].

More reliable and durable than a traditional hard drive, with no moving mechanical parts, V310 is shock-proof, stays cool and consumes less energy. Its large capacity lets users migrate their entire hard drive and library to the SSD, with more room to store their movies, music, files, games, applications and more.

V310 installs easily and is available in all-in-one kits with all the accessories needed plus software to clone files and OS in just minutes. It allows an effortless transition to the latest technology for less than the cost of a new system.

For added peace of mind, SSD*Now* V310 is backed by a three-year warranty, free technical support and legendary Kingston® reliability.

> Makes your system more responsive
> Maximizes your computer investment
> Large capacity to store all of your files, folders, and applications

Kingston®
TECHNOLOGY

SSD*Now* V310

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
> **Convenient** — all-in-one kits with all the components for easy installation
> **Large capacity** — enough space to migrate your entire HDD over to a SSD
> **Form factor** — 2.5-inch drive available in 7.0mm with adapter to fit in 9.5mm systems
> **Silent** — runs silent and cool

SPECIFICATIONS

> **Form factor** 2.5"
> **Interface** SATA Rev. 3.0 (6Gb/s) – with backwards compatibility to SATA Rev. 2.0
> **Capacities**[3] 960GB
> **Controller** Phison 3108
> **Baseline Performance**[4]
>> **Compressible Data Transfer (ATTO)**
>> 450MB/s Read and 450MB/s Write
>> **Incompressible Data Transfer (AS-SSD and CrystalDiskMark)**
>> 500MB/s Read and 440MB/s Write
>> **IOMETER Maximum Random 4k Read/Write**
>> 40,000 IOPS and 20,000 IOPS
>> **Random 4k Read/Write**
>> 27,000MB/s Read and 10,500MB/s Write
>> **PCMARK® 8 Storage Bandwidth Score** 4,700
> **Power Consumption**
> 0.08 W Idle / 1.28 W Avg / 1.16 W (MAX) Read / 5.39 W (MAX) Write
> **Storage temperature** -40°C~85°C
> **Operating temperature** 0°C~70°C
> **Dimensions** 69.8mm x 100.1mm x 7mm
> **Weight** 92.5g
> **Vibration operating** 2.17G Peak (7–800Hz)
> **Vibration non-operating** 20G Peak (10–2000Hz)
> **Life expectancy** 1 million hours MTBF
> **Warranty/support** 3-year warranty with free technical support
> **Total Bytes Written (TBW)**[6] 2,728TB 2.65 DWPD[8]

KINGSTON PART NUMBERS

SV310S37A/960G Stand-alone drive
SV310S3D7/960G Desktop upgrade kit[7]
SV310S3N7A/960G Notebook upgrade kit[7]
SV310S3B7A/960G Desktop/Notebook upgrade kit

PACKAGE CONTENTS

Desktop Upgrade Kit
– 3.5" bracket & mounting screws
– SATA data & power cables
– Hard drive cloning software (CD)[5]
– Installation video (DVD)

Notebook Upgrade Kit
– 2.5" USB enclosure
– Hard drive cloning software (CD)[5]
– Installation video (DVD)
– 7mm to 9.5mm adapter

Desktop/Notebook Upgrade Kit
– 2.5" USB enclosure
– 3.5" bracket & mounting screws
– SATA data & power cables
– Hard drive cloning software (CD)[5]
– Installation video (DVD)
– 7mm to 9.5mm adapter

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

1 Source: ATTO (Compressible Data Transfer)

2 Source: PCMark Vantage

3 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/flashguide.

4 Based on "out-of-box performance" using a SATA Rev. 3.0 motherboard. Speed may vary due to host hardware, software, and usage.

5 Operating system software support: Windows® 7 (SP1), Windows Vista® (SP2), Windows XP (SP3)

6 Total Bytes Written (TBW) is derived from the JEDEC Client Workload (JESD219A).

7 Not available in all countries.

8 Drive Writes Per Day (DWPD)

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