

# HyperX Savage SSD

KINGSTON.COM/HYPERX

## Powerful performance, unparalleled design.

HyperX® Savage solid-state drive offers extreme performance for the extreme performer. The fastest HyperX SATA-based SSD, it's powered by a quad-core, 8-channel Phison S10 controller that delivers incredible speeds of up to 560MB/s read and 530MB/s write, with read/write IOPS up to 100k/89k. The result is ultra-responsive multitasking and an overall faster system that maintains performance even as the drive fills up.

With its low profile and slim, 7mm form factor, HyperX Savage SSD fits in most notebooks, desktops and HTPC builds. Its unique look, with high-quality red steel and aluminium casing and diamond-cut design, helps you stand out in the crowd and complements the latest PC hardware.

It's available in a bundle kit that includes everything you need to install Savage in your existing system, including a USB 3.0 enclosure to transfer data from 2.5" hard drives; a 2.5"-3.5" adapter to mount in a desktop environment; SATA data cable; multi-bit screwdriver and Acronis® data migration software. HyperX Savage SSD is 100 per cent factory tested and backed by a three-year warranty, free technical support and legendary reliability.

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- > Powered by a Phison controller with SATA Rev 3.0 (6Gb/s) performance
  - > Speeds of up to 560MB/s read and 530MB/s write
  - > Bundle includes a USB 3.0 external enclosure for blazing fast data transfer speeds even with an HDD



### HyperX Savage is ideal for:

- Ultra-responsive multitasking
- An overall faster system
- Quick transfer and editing of large media files
- Power users, content creators and enthusiasts

Features/specs on reverse >>

The HyperX logo, featuring the word 'HYPERX' in a bold, red, sans-serif font. A stylized white 'X' with a grey gradient is positioned to the right of the text, partially overlapping it. The entire logo is set against a black background.

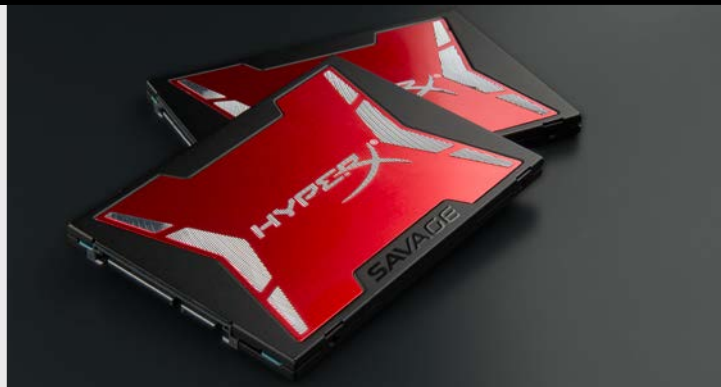
# HyperX Savage SSD

## FEATURES/BENEFITS

- > **Performance** — incredible speeds for enhanced productivity
- > **Unique design** — stunning red casing to give an edge to the latest PC hardware
- > **Slim** — 7mm thickness to fit in most desktops and notebooks
- > **Fast and easy migration** — all-in-one kit available with premium HyperX accessories, including a handy multi-kit screwdriver and USB 3.0 enclosure for easy installation
- > **Guaranteed** — three-year warranty and free technical support

## SPECIFICATIONS

- > **Form factor** 2.5"
- > **Interface** SATA Rev. 3.0 (6Gb/s) – with backwards compatibility to SATA Rev. 2.0 (3Gb/s)
- > **Capacities**<sup>1</sup> 120GB, 240GB, 480GB, 960GB
- > **Controller** Phison PS3110-S10
- > **Baseline performance**<sup>2</sup>
  - Compressible data transfer (ATTO)**  
120GB — 560MB/s read and 360MB/s write  
240GB, 480GB, 960GB — 560MB/s read and 530MB/s write
  - Incompressible data transfer (AS-SSD and CrystalDiskMark)**  
120GB — 520MB/s read and 350MB/s write  
240GB — 520MB/s read and 510MB/s write  
480GB — 520MB/s read and 500MB/s write  
960GB — 520MB/s read and 490MB/s write
  - IOMETER maximum random 4k read/write**  
120GB — up to 100,000/ up to 84,000 IOPS  
240GB — up to 100,000/ up to 89,000 IOPS  
480GB — up to 100,000/ up to 88,000 IOPS  
960GB — up to 99,000/ up to 89,000 IOPS
  - Random 4k read/write**  
120GB — up to 93,000/ up to 83,000 IOPS  
240GB — up to 93,000/ up to 89,000 IOPS  
480GB — up to 92,000/ up to 89,000 IOPS  
960GB — up to 97,000/ up to 89,000 IOPS
  - PCMARK® Vantage HDD Suite score**  
120GB, 240GB, 480GB, 960GB — 84,000
  - PCMARK® 8 storage bandwidth**  
120GB, 240GB, 480GB — 223MB/s, 960GB — 260MB/s
  - PCMARK® 8 storage score**  
120GB, 240GB, 480GB — 4,940, 960GB — 4,970
  - Anvil total score (incompressible workload)**  
120GB, 240GB, 480GB — 4,700, 960GB — 5,000
- > **Power consumption** 0.39W idle / 0.5W avg / 1.4W (MAX) read / 4.35W (MAX) write
- > **Storage temperature** -40°C~85°C
- > **Operating temperature** 0°C~70°C
- > **Dimensions** 100.0mm x 69.9mm x 7.0mm
- > **Weight** 120GB, 240GB, 480GB — 96g, 960GB — 92g
- > **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)**<sup>3</sup>  
120GB: 113TB 0.89 DWPD<sup>4</sup>  
240GB: 306TB 1.19 DWPD<sup>4</sup>  
480GB: 416TB 0.81 DWPD<sup>4</sup>  
960GB: 681TB 0.66 DWPD<sup>4</sup>



## HYPERX PART NUMBERS

### STAND-ALONE DRIVE:

SHSS37A/120G  
SHSS37A/240G  
SHSS37A/480G  
SHSS37A/960G

### UPGRADE BUNDLE KIT:

SHSS3B7A/120G  
SHSS3B7A/240G  
SHSS3B7A/480G  
SHSS3B7A/960G

## PACKAGE CONTENTS

### STAND-ALONE:

- 2.5" SSD
- 3.5" bracket and mounting screws
- Hard drive cloning software – download coupon<sup>5</sup>
- 7mm–9.5mm adapter

### UPGRADE BUNDLE KIT:

- 2.5" SSD
- 2.5" USB 3.0 enclosure
- 3.5" bracket and mounting screws
- SATA data cable
- Hard drive cloning software – download coupon<sup>5</sup>
- Multi-bit screwdriver
- 7mm–9.5mm adapter

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

<sup>1</sup> 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/flashguide](http://kingston.com/flashguide).

<sup>2</sup> Based on "out-of-box performance" using a SATA Rev. 3.0 motherboard. Speed may vary due to host hardware, software, and usage. IOMETER random 4k random read/write is based on 8GB partition.

<sup>3</sup> Total Bytes Written (TBW) is derived from the JEDEC Client Workload (JESD219A).

<sup>4</sup> Drive Writes Per Day (DWPD)

<sup>5</sup> Operating system software support: Windows® 8.1, 8, Windows® 7 (SP1), Windows Vista® (SP2), Windows XP (SP3)



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