



HyperX performance at an exceptional price.

Budget-minded gamers and enthusiasts will benefit from the lower price of Kingston's new HyperX® 3K SSD. This solid-state drive combines premium 3000 program-erase cycle synchronous NAND with the second-generation SandForce® controller. Its lower price means more users can experience ultra-responsive gaming, multitasking and multimedia computing power.

HyperX 3K loads games and applications faster, increases frames per second (FPS) for an improved gaming experience and allows for quick transfers and edits of large media files.

HyperX 3K provides high-speed SATA Rev. 3.0 (6Gb/s) performance and blazing fast random and sequential read/write speeds. SandForce DuraClass™ technology provides the latest data integrity protection for ultimate endurance over the entire life of the drive. The new USB 3.0 external enclosure offers up to 10 times faster transfer speeds when upgrading to an SSD.

HyperX 3K SSD comes in a sleek, black and aluminium case design, accentuating the look of any power user's system. For added peace of mind, HyperX 3K SSD is backed by a three-year warranty and legendary Kingston® reliability.

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- > SandForce driven
 - > SATA Rev. 3.0 (6Gb/s)

HyperX 3K SSD



Applications

- Decreased load times of high-resolution PC games
- Increased frame rates per second for a better gaming experience
- 10 times faster transfer speeds of large media files
- Multitasking
- AutoCAD
- Movie downloads, transfers and syncs

Features/specs on reverse >>

HyperX 3K SSD

FEATURES/SPECIFICATIONS

- > **Form factor** 2.5"
- > **Interface** SATA Rev 3.0 (6Gb/s) – with backward compatibility to SATA Rev 2.0 (3Gb/s)
- > **Capacities**¹ 120GB, 240GB, 480GB
- > **Controller** SandForce® SF-2281
- > **Sequential read/writes**² SATA Rev. 3.0:
 - 120GB/240GB – up to: 555/510MB/s
 - 480GB – up to: 540/450MB/s
- > **Maximum 4K read/write**² 120GB – 86,000/79,000 IOPS
240GB – 86,000/73,000 IOPS
480GB – 74,000/32,000 IOPS
- > **Random 4K read/write**² 120GB – 24,000/79,000 IOPS
240GB – 45,000/69,000 IOPS
480GB – 50,000/22,000 IOPS
- > **PCMARK® Vantage HDD Suite score**
120GB / 240GB / 480GB: 66,000
- > **Additional features** Supports SMART, TRIM and Garbage Collection
- > **Total Bytes Written (TBW)**³ 120GB – 290TB 2 DWPD⁴
240GB – 765TB 3 DWPD⁴
480GB – 1,785TB 3 DWPD⁴
- > **Power consumption** 0.455 W idle / 0.6 W avg / 1.58 W (MAX)
read / 2.11 W (MAX) write
- > **Operating temperatures** 0°C ~ 70°C
- > **Storage temperatures** -40°C ~ 85°C
- > **Dimensions** 69.85mm x 100mm x 9.5mm
- > **Weight** 97g
- > **Vibration operating** 2.17G peak (7–800Hz)
- > **Vibration non-operating** 20G peak (10–2000Hz)
- > **MTBF** 1,000,000 hrs
- > **Warranty/support** 3-year warranty with free technical support



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

¹ 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.

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

³ Total Bytes Written (TBW) is derived from the JEDEC Workload (JESD219A).

⁴ Drive Writes Per Day (DWPD)

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

HyperX is a division of Kingston.

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MKD-219.6EN



SOLID-STATE DRIVE
FLASH DURABLE
STORE
PC
DURABLE
MEMORY
FLASH
PERFORMANCE
STORE
UPGRADE KIT
STORE



KINGSTON PART NUMBERS

- SH103S3/120G (stand-alone drive)
- SH103S3/240G (stand-alone drive)
- SH103S3/480G (stand-alone drive)
- SH103S3B/120G (upgrade bundle kit)
- SH103S3B/240G (upgrade bundle kit)
- SH103S3B/480G (upgrade bundle kit)

PACKAGE CONTENTS

- Stand-alone
 - 2.5" SSD
 - 3.5" bracket and mounting screws
- Upgrade Bundle Kit
 - 2.5" SSD
 - 2.5" USB 3.0 enclosure
 - 3.5" bracket and mounting screws
 - SATA data cable
 - Hard drive cloning software⁵ and installation guide
 - Multi-bit screwdriver

