

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 ultraresponsive 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.

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



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 $\rangle\rangle$



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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/write² 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

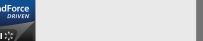
480GB – 1,785TB 3 DWPD⁴

- > 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 $\sim 85^{\circ}$ 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











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



- 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.
- $2\ \mathsf{Based}\ \mathsf{on}\ \mathsf{``out\text{-}of\text{-}box}\ \mathsf{performance''}. \mathsf{Speed}\ \mathsf{may}\ \mathsf{vary}\ \mathsf{due}\ \mathsf{to}\ \mathsf{host}\ \mathsf{hardware}, \mathsf{software}\ \mathsf{and}\ \mathsf{usage}.$
- 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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