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.

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.

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
- Faster transfers of large media files
- Multitasking
- AutoCAD
- Movie downloads, transfers and syncs

Kingston® HYPERX®

HyperX 3K SSD

FEATURES/SPECIFICATIONS

> **Form factor** 2.5"
> **Controller** SandForce® SF-2281
> **Components** MLC NAND (3k P/E Cycles)
> **Interface** SATA Rev 3.0 (6Gb/s), SATA Rev 2.0 (3Gb/s)
> **Capacities**[1] 90GB, 120GB, 240GB, 480GB
> **Sequential reads**[2] SATA Rev. 3.0
>   90GB / 120GB / 240GB – 555MB/s
>   480GB – 540MB/s
> **Sequential writes**[2] SATA Rev. 3.0
>   90GB / 120GB / 240GB – 510MB/s
>   480GB – 450MB/s
> **Sustained random 4K R/W**[3] 90GB – 20,000/50,000 IOPS
>   120GB – 20,000/60,000 IOPS
>   240GB – 40,000/57,000 IOPS
>   480GB – 60,000/45,000 IOPS
> **Max. random 4K R/W**[3] 90GB – 85,000/74,000 IOPS
>   120GB – 85,000/73,000 IOPS
>   240GB – 86,000/60,000 IOPS
>   480GB – 75,000/48,000 IOPS
> **PCMARK® Vantage HDD Suite Score**
>   90GB / 120GB / 240GB / 480GB:60,000
> **Supports SMART, TRIM, and Garbage Collection**
> **Power consumption**
>   0.455 W (TYP) idle / 1.58 W (TYP) read / 2.11 W (TYP) write
> **Dimensions** 69.85mm x 100mm x 9.5mm
> **Weight** 97g
> **Operating temperatures** 0°C ~ 70°C
> **Storage temperatures** -40°C ~ 85°C
> **Shock resistance** 1500G
> **Vibration operating** 2.17G
> **Vibration non-operating** 20G
> **MTBF** 1,000,000 hrs
> **Total bytes written (TBW)** 90GB:57.6TB
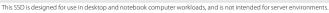>   120GB:76.8TB
>   240GB:153.6TB
>   480GB:307.2TB

Test system:ASRock P67 motherboard, Intel Core i7 2600k 3.4GHz CPU, 8GB system memory, NVIDIA GTX 460 video card.SSD tested as secondary drive with results based on "out-of-box" performance.

KINGSTON PART NUMBERS

SH103S3/90G (stand-alone drive)
SH103S3/120G (stand-alone drive)
SH103S3/240G (stand-alone drive)
SH103S3/480G (stand-alone drive)
SH103S3B/90G (upgrade bundle kit)
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 enclosure
  - 3.5" bracket and mounting screws
  - SATA data cable
  - Hard drive cloning software[4] and installation guide
  - Multi-bit screwdriver

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 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/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 IOMeter08

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

THIS DOCUMENT SUBJECT TO CHANGE WITHOUT NOTICE.