



## Ferocious performance for serious users.

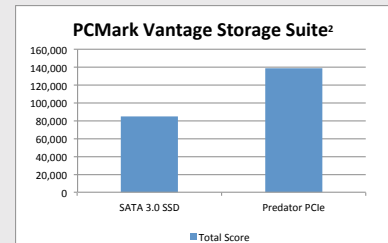
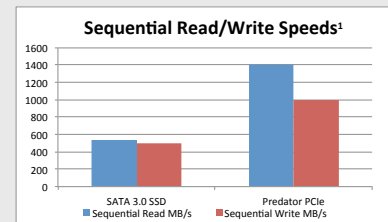
HyperX® Predator SSD offers large capacities and incredible speeds with both compressible and incompressible data to take your system to the edge. Faster than SATA-based SSDs, it delivers speeds up to 1400MB/s read and 1000MB/s write for ultra-responsive multitasking and an overall faster system.

It features a PCIe Gen 2.0 x4 interface for high performance and an M.2 form factor to fit the next generation of desktops with an M.2 PCIe slot. A Half-Height, Half-Length (HHHL) adapter that works with many existing motherboards with at least a PCIe x4 slot open is available. The HHHL adapter comes with both standard and low-profile brackets to fit in slim profile desktop builds.

Prey on the competition for years to come. HyperX Predator SSD comes with a three-year warranty and free technical support to keep you winning.

- > Powered by Marvell controller
- > PCIe Gen 2.0 x4 interface in M.2 form factor (with optional Half-Height, Half-Length adapter)
- > Speeds up to 1400MB/s read and 1000MB/s write

### Predator PCIe



Features/specs on reverse >>



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

## Predator PCIe

### FEATURES/BENEFITS

- > **Fast** — PCIe connection provides higher speeds than SATA-based solid-state drives for the ultimate computing experience
- > **Blazing performance** — ultra-responsive multitasking and overall faster system
- > **Reliable** — rugged and durable to take your system to the edge
- > **Form factor** — M.2 with optional Half-Height Half-length adapter to fit in both new and older motherboards
- > **Guaranteed** — three-year warranty and free technical support

### SPECIFICATIONS

- > **Form factor** M.2 2280
- > **Interface** PCIe Gen 2.0 x4
- > **Capacities**<sup>3</sup> 240GB, 480GB
- > **Controller** Marvell 88SS9293
- > **Baseline Performance**<sup>4</sup>
  - Compressible Data Transfer (ATTO)**
  - 240GB — 1400MB/s Read and 600MB/s Write
  - 480GB — 1400MB/s Read and 1000MB/s Write
  - Incompressible Data Transfer (AS-SSD and CrystalDiskMark)**
  - 240GB — 1290MB/s Read and 600MB/s Write
  - 480GB — 1100MB/s Read and 910MB/s Write
  - IOMETER Maximum Random 4k Read/Write**
  - 240GB — up to 160,000/ up to 119,000 IOPS
  - 480GB — up to 130,000/ up to 118,000 IOPS
  - Random 4k Read/Write**
  - 240GB — up to 120,000/ up to 78,000 IOPS
  - 480GB — up to 117,000/ up to 70,000 IOPS
  - PCMARK® Vantage HDD Suite Score**
  - 240GB — 138,000
  - 480GB — 139,000
  - PCMARK® 8 Storage Bandwidth**
  - 240GB — 331MB/s
  - 480GB — 336MB/s
  - PCMARK® 8 Storage Score**
  - 240GB — 5,015
  - 480GB — 5,017
  - Anvil Total Score (Incompressible Workload)**
  - 240GB — 6,500
  - 480GB — 6,700
- > **Power Consumption**
- 1.38W Idle / 1.4W Avg / 1.99W (MAX) Read / 8.25W (MAX) Write
- > **Storage temperatures** -40°C~85°C
- > **Operating temperatures** 0°C~70°C
- > **Dimensions** 80mm x 22mm x 3.5mm (M.2)
- 180.98mm x 120.96mm x 21.59mm (with HHHL adapter – standard bracket)
- 181.29mm x 80.14mm x 23.40mm (with HHHL adapter – low-profile bracket)
- > **Weight** 10g (M.2)
- 73g (with HHHL adapter – standard bracket)
- 68g (with HHHL adapter – low-profile bracket)
- > **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>5</sup> 240GB: 415TB 1.6 DWPD<sup>6</sup>
- 480GB: 882TB 1.7 DWPD<sup>6</sup>



### HYPERX PART NUMBERS

SHPM2280P2/240G

SHPM2280P2/480G

SHPM2280P2H/240G (with HHHL Adapter)

SHPM2280P2H/480G (with HHHL Adapter)

### PACKAGE CONTENTS

M.2 only

-Hard drive cloning software –  
download coupon<sup>7</sup>

M.2 with HHHL Adapter

-Standard & low-profile brackets  
-Hard drive cloning software –  
download coupon<sup>7</sup>

HyperX is a division of Kingston.

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](http://kingston.com/flashguide).

4 Based on "out-of-box performance" using a PCIe 3.0/2.0 motherboard. Speed may vary due to host hardware, software, and usage. IOMETER Random 4k Random Read/Write is based on 8GB partition.

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

6 Drive Writes Per Day (DWPD)

7 Operating system software support: Windows® 8, 8.1, Windows 7 (SP1), Windows Vista® (SP2), Windows XP (SP3)

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**HYPERX**®