



Ferocious performance for serious users.

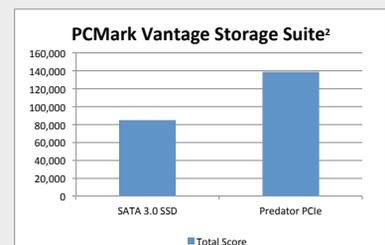
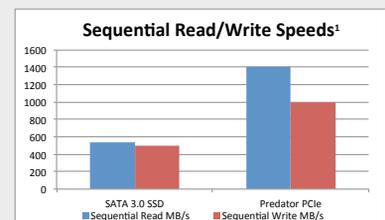
HyperX® Predator SSD offers large capacities and incredible speeds with both compressible and incompressible data to take your system to the edge. Faster than SATA-based SSDs, it delivers speeds of up to 1400MB/s read and 1000MB/s write for ultra-responsive multitasking and an overall faster system.

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 of up to 1400MB/s read and 1000MB/s write

Predator PCIe



Features/specs on reverse >>



SOLID-STATE DRIVE
STORE Durable
FLASH MEMORY
FLASH STORE
PERFORMANCE FLASH STORE
UPGRADE
STORE
FLASH STORE
SOLID-STATE DRIVE

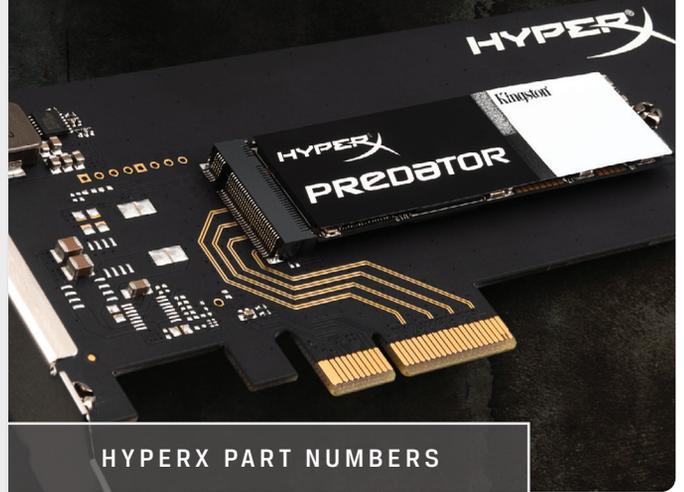
Predator PCIe

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**³ 240GB, 480GB
- > **Controller** Marvell 88SS9293
- > **Baseline performance**⁴
 - 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)**⁵ 240GB: 415TB 1.6 DWPD⁶
- 480GB: 882TB 1.7 DWPD⁶



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 coupon⁷

M.2 with HHHL adapter
 -Standard & low-profile brackets
 -Hard drive cloning software –
 download coupon⁷

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 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.

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)

THIS DOCUMENT SUBJECT TO CHANGE WITHOUT NOTICE

©2015 Kingston Technology Europe Co LLP and Kingston Digital Europe Co LLP, Kingston Court, Brooklands Close, Sunbury-on-Thames, Middlesex, TW16 7EP, England. Tel: +44 (0) 1932 738888 Fax: +44 (0) 1932 785469. All rights reserved. All trademarks and registered trademarks are the property of their respective owners. MKD-305EN

