

Kingston Releases Next-Gen KC2500 NVMe PCIe SSD

– Superior NVMe Speeds – – Supports Full-Security Suite –

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Sydney Australia - August 3, 2020: Already making waves globally, Kingston Technology, a world leader in memory products and technology solutions, is excited to announce the awaited arrival of the KC2500 to the Australian market. Arriving in stores this week, this next generation M.2 NVMe™ PCIe SSD is designed to set the standard for desktop, workstations and high-performance computing (HPC) systems.

KC2500 NVMe PCIe SSD delivers powerful performance using the latest Gen 3.0 x 4 controller and 96-layer 3D TLC NAND. With speeds¹ up to 3,500MB/s read and up to 2,900MB/s write, KC2500 combines outstanding performance and endurance that improves workflow for desktop, workstation and power users. This makes it an ideal SSD for users looking to give their PC a boost in productivity, including work computing and gaming.

KC2500 is available in capacities up to 2TB² housed in a compact M.2 2280 form factor that saves space for other components while allowing users to take advantage of PCIe speeds. The self-encrypting SSD supports a full-security suite for end-to-end data protection using AES-XTS 256-bit hardware-based encryption. It allows the usage of independent software vendors with TCG Opal 2.0 security management solutions such as Symantec™, McAfee™, WinMagic® and others. KC2500 has built-in Microsoft eDrive support, a security storage specification for use with BitLocker.

“KC2500 sets a new bar for high-performance client PC usage, enabling those who demand speed and reliability to handle intensive workloads on desktops, workstations and for HPC applications,” said Kingston.

“The compact M.2 form factor and broad range of security and encryption options provides greater flexibility for organizations who are looking to refresh their current systems, or for the power user looking to upgrade their current system with the best that NVMe PCIe SSDs can offer.”

KC2500 is currently available in 250GB, 500GB and 1TB capacities with 2TB² shipping soon. KC2500 is backed by a limited five-year warranty and free technical support. For more information visit kingston.com.

KC2500 NVMe PCIe SSD

Part Number

Capacity

MSRP* (AUD)

MSRP (NZ)

SKC2500M8/250G

250GB KC2500 NVMe PCIe SSD

\$135

\$145

SKC2500M8/500G

500GB KC2500 NVMe PCIe SSD

\$235

\$251

SKC2500M8/1000G

1000GB KC2500 NVMe PCIe SSD

\$420

\$449

SKC2500M8/2000G

2000GB KC2500 NVMe PCIe SSD

\$829

\$887

*Pricing is not inclusive of tax, VAT, etc. Actual street price may be different as below. E.g. Mwave, Scorptec, PLE - \$289 1TB KC2500 NVMe PCIe SSD

Kingston KC2500 NVMe PCIe SSD Features and Specifications: Incredible NVMe PCIe Performance

Supports a full-Security Suite: TCG Opal 2.0, XTS-AES 256-bit, eDrive

Ideal for Desktop, Workstations and High-Performance Computing (HPC) Systems

Upgrade your PC with capacities up to 2TB2

Form Factor: M.2 2280

Interface: NVMe PCIe Gen 3.0 x 4 Lanes

Capacities2: 250GB, 500GB, 1TB, 2TB

Controller: SMI 2262EN

NAND: 96-layer 3D TLC

Encrypted: AES-XTS 256 bit

Sequential Read/Write1:

250GB – up to 3,500/1,200MB/s

500GB – up to 3,500/2,500MB/s

1TB – up to 3,500/2,900MB/s

2TB – up to 3,500/2,900MB/s

Random 4K Read/Write1:

250GB – up to 375,000/300,000 IOPS

500GB – up to 375,000/300,000 IOPS

1TB – up to 375,000/300,000 IOPS

2TB – up to 375,000/300,000 IOPS

Total Bytes Written (TBW)3:

250GB – 150TBW

500GB – 300TBW

1TB – 600TBW

2TB – 1.2PBW

Power Consumption: .003W Idle / .2W Avg / 2.1W (MAX) Read / 7W (MAX) Write

Storage Temperature: -40°C~85°C

Operating Temperature: 0°C~70°C

Dimensions: 80mm x 22mm x 3.5mm

Weight:

250GB – 8g

500GB – 10g

1TB – 10g

2TB – 11g

Vibration Operating: 2.17G Peak (7-800Hz)

Vibration Non-operating: 20G Peak (20-1000Hz)

MTBF: 2,000,000

Warranty/Support: Limited 5-year warranty with free technical support

Product samples for review can be requested via PR Galleria, a platform where technology and games are offered for review. Samples are available only to influencers and media for influencer marketing and public relations purposes.

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

2 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.

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

4 Limited warranty based on 5 years or “Percentage Used” which can be found using the Kingston SSD Manager (Kingston.com/SSDManager). For NVMe SSDs, a new unused product will show a Percentage Used value of 0, whereas a product that reaches its warranty limit will show a Percentage Used value of greater than or equal to one hundred (100).

Kingston can be found on:

Facebook: <http://www.facebook.com/KingstonBlogFansClub.en> YouTube: <http://www.youtube.com/user/KingstonAPAC>

About Kingston Technology

Kingston Technology is a world leader in memory products and technology solutions. Through its global network of subsidiaries, affiliates and manufacturing facilities, Kingston designs, manufactures, tests and distributes DRAM, Flash and Embedded memory solutions as well as peripheral products via its HyperX gaming brand. Kingston has sales offices and representatives worldwide including in the United States, Canada, China, Europe, Eastern Europe, India, Latin America, Russia and Taiwan. For more information, please visit www.kingston.com.

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