

NV2 PCIe 4.0 NVMe SSD

Substantial performance upgrade in high capacity

Kingston's NV2 PCIe 4.0 NVMe SSD is a substantial next-gen storage solution powered by a Gen 4x4 NVMe controller. NV2 delivers read/write speeds of up to 3,500/2,800MB/s[1] with lower power requirements and lower heat to help optimise your system's performance and deliver value without sacrifice. The compact single-sided M.2 2280 (22x80mm) design expands storage by up to 2TB[2] while saving space for other components, making NV2 ideal for thinner notebooks, small-form-factor (SFF) systems and DIY motherboards.

Available in capacities from 250GB – 2TB[2] to give you all the space you need for applications, documents, photos, videos and more.

- Gen 4x4 NVMe PCIe performance
- Ideal for laptops & small-form-factor PCs
- Capacities up to 2TB[2]

more ››

FEATURES / BENEFITS

Gen 4x4 NVMe PCIe performance — Delivers read/write speeds of up to 3,500/2,800MB/s[1] for an overall faster system.

Ideal for systems with limited space — Easily integrate into designs with M.2 connectors. Perfect for thin laptops and small-form-factor PCs.

Extended capacities — Available in a range of high capacities up to 2TB[2] to meet your data storage requirements.

SPECIFICATIONS

Form factor
M.2 2280

Interface
PCIe 4.0 x4 NVMe

Capacities[2]
250GB, 500GB, 1TB, 2TB

Sequential read/write[1]
250GB – 3,000/1,300MB/s
500GB – 3,500/2,100MB/s
1TB – 3,500/2,100MB/s
2TB – 3,500/2,800MB/s

Endurance (total bytes written)[3]
250GB – 80TB
500GB – 160TB
1TB – 320TB
2TB – 640TB

Storage temperature
-40°C~85°C

Operating temperature
0°C~70°C

Dimensions
22mm x 80mm x 2.2mm

Weight
7g (all capacities)

Vibration operating
2.17G (7-800 Hz)

Vibration non-operating
20G (20-1000Hz)

MTBF
1,500,000 hours

Warranty/support[4]
limited 3-year warranty with free technical support



KINGSTON PART NUMBERS

NV2 PCIe 4.0 NVMe SSD
SNV2S/250G
SNV2S/500G
SNV2S/1000G
SNV2S/2000G

This SSD is designed for use in desktop and notebook computer workloads and is not intended for server environments.

1. Based on "out-of-box performance" using a PCIe 4.0 motherboard. Speed may vary due to host hardware, software and usage.
2. 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.
3. Total Bytes Written (TBW) is derived from the JEDEC Client Workload (JESD219A).
4. Limited warranty based on 3 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). See Kingston.com/wa for details.

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