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NV1 NVME PCIE SSD

Efficient performance for thinner notebooks and systems

Kingston's NV1 NVMe™ PCIe SSD is a substantial storage solution that offers read/write¹ speeds up to 2,100/1,700MB/s, which is 3 to 4 times faster than a SATA-based SSD, and 35 times faster than a traditional hard drive. NV1 works with lower power, lower heat, and quicker loading time. The efficient performance and single-sided M.2 2280 (22x80mm) design makes NV1 ideal for thin notebooks and systems with limited space.

Available in capacities from 250GB – 2TB² to give you all the space you need for applications, documents, photos, videos, and more.

- › NVMe PCIe SSD Performance
- › Ideal for laptops & small form factor PCs
- › Capacities up to 2TB

FEATURES / BENEFITS

NVMe PCIe Performance — Offers read/write speeds up to 2,100/1,700 MB/s¹

Ideal for Systems with Limited Space — Easily integrates into designs with M.2 connectors. Perfect for thin laptops and small form factor PCs.

Multiple Capacities — Available in a range of capacities up to 2TB to meet your data storage requirements.

3-year Limited Warranty — Backed by the reliable Kingston warranty and free technical support.

SPECIFICATIONS

Form Factor

M.2 2280

Interface

NVMe™ PCIe Gen 3.0 x 4 Lanes

Capacities²

250GB, 500GB, 1TB, 2TB

Sequential Read/Write¹

2100/1100 MB/s (250GB)

2100/1700 MB/s (500GB-2TB)

Endurance³

250GB – 60TBW 500GB – 120TBW

1000GB – 240TBW 2000GB – 480TBW

Power Consumption

250GB: 5mW Idle / 85.5mW Avg / 0.99W (MAX) Read / 1.5W (MAX) Write

500GB: 5mW Idle / 205mW Avg / 1.1W (MAX) Read / 3.3W (MAX) Write

1000GB: 5mW Idle / 220mW Avg / 1.1W (MAX) Read / 3.3W (MAX) Write

2000GB: 5mW Idle / 340mW Avg / 1.1W (MAX) Read / 3.3W (MAX) Write

Storage Temperature

-40°C~85°C

Operating Temperature

0°C~70°C

Dimensions

22mm x 80mm x 2.1mm

Weight

7g (All capacities)

Vibration Operating

2.17G (7-800 Hz)

Vibration Non-operating

20G (20-1000Hz)

MTBF

1,500,000 hours

Warranty/Support⁴

Limited 3-year warranty with free technical support



KINGSTON PART NUMBERS

NV1 NVMe PCIe SSD

SNVS/250G

SNVS/500G

SNVS/1000G

SNVS/2000G

The 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 3.0 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 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 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 detail.

