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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/write speeds of up to 2,100/1,700MB/s<sup>1</sup>, 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 times. The efficient performance and single-sided M.2 2280 (22x80mm) design make NV1 ideal for thin notebooks and systems with limited space.

Available in capacities from 250GB – 2TB<sup>2</sup> 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<sup>2</sup>

## FEATURES / BENEFITS

**NVMe PCIe performance** — Offers read/write speeds up to 2,100/1,700MB/s<sup>1</sup>.

**Ideal for systems with limited space** — Easily integrate 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<sup>2</sup> 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

### Capacities<sup>2</sup>

250GB, 500GB, 1TB, 2TB

### Sequential read/write<sup>1</sup>

250GB – 2100/1100MB/s

500GB, 1TB, 2TB – 2100/1700MB/s

### Endurance<sup>3</sup>

250GB – 60TBW 500GB – 120TBW

1TB – 240TBW 2TB – 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

1,000GB: 5mW idle / 220mW avg / 1.1W (MAX) read / 3.3W (MAX) write

2,000GB: 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)

### Warranty/support<sup>4</sup>

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.

- Based on "out-of-box performance" using a PCIe 3.0 motherboard. Speed may vary due to host hardware, software and usage.
- 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](http://kingston.com/flashguide).
- Total Bytes Written (TBW) is derived from the JEDEC Client Workload (JESD219A).
- Limited warranty based on 3 years or "Percentage Used", which can be found using the Kingston SSD Manager ([Kingston.com/SSDManager](http://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](http://Kingston.com/wa) for details.



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