

NV5000 M.2 2280

NVMe SSD

Netac

DATA SHEET



The Netac NV5000 M.2 NVMe SSD uses an ultra-high-speed PCIe Gen4 *4 interface and complies with the NVMe 1.4 standard. With read and write speeds up to 5000MB/s and 4400MB/s respectively, it is the best choice for your PC upgrading. Available in capacity from 500GB-2TB to meet your system's needs. It supports SLC caching, which can improve efficiency when loading applications or copying files. Besides, the Aluminum heatsink for heat dissipation can effectively cool down and avoid overheating.

Highlights

- NVMe M.2 PCIe Gen4 *4 interface
- Read/write speed up to 5000/4400MB/s
- Metal composite heat dissipation vest
- Supports S.M.A.R.T./TRIM Command/NCQ
- Support PS5 M.2 expansion
- 5-year limited warranty

Best-Fit Applications

- Laptops
- Desktop PCs
- PS5



PCIe Gen4 *4 Interface

Netac NV5000 uses PCIe Gen4 *4 channels, high bandwidth, low latency, reading speed is up to 5000MB/s, which can achieve fast loading and instant response.

Efficiency 3D NAND

Selected 3D NAND Flash chips have higher capacity density and reliability than 2D structures. It also supports LDPC Intelligent Error Correction, significantly prolonging the service life of the hard disk.

Efficient Heat Dissipation

The NV5000 SSD can be set up easily through the PS5 console's M.2 expansion slot, it's also equipped with intelligent temperature control technology, which can monitor and regulate the temperature of the components in real-time, so that the SSD temperature is maintained within a reasonable range to ensure the stability of work.

Massive Storage

Support 250GB/500GB/1TB three kinds of capacities, meet different storage requirements.

Specification	500GB	1TB	2TB
Model Number	NT01NV5000-500-E4X	NT01NV5000-1T0-E4X	NT01NV3000-2T0-E4X
Interface	PCIe Gen4 *4, NVMe 1.4	PCIe Gen4 *4, NVMe 1.4	PCIe Gen4 *4, NVMe 1.4
Form Factor	M.2 2280	M.2 2280	M.2 2280
Performance			
Max. Sequential Read (MB/s)	4800	4800	5000
Max. Sequential Write (MB/s)	2700	4600	4400
Max. Random Read (IOPS)	220K	400K	600K
Max. Random Write (IOPS)	440K	530K	600K
Total Bytes Written (TBW)	320	640	1400
Environmental			
Storage Temperature	-40°C~85°C	-40°C~85°C	-40°C~85°C
Operation Temperature	0°C~70°C	0°C~70°C	0°C~70°C
Shock Resistance	1500g/0.5ms	1500g/0.5ms	1500g/0.5ms
MTBF	2 million hours	2 million hours	2 million hours
Limited Warranty (Years)	5	5	5
Physical			
Length	80mm	80mm	80mm
Width	23.5mm	23.5mm	23.5mm
Height	11.25mm	11.25mm	11.25mm
PCBA Weight	<8g	<8g	<8g

Special Noted:

1. Performance measured using CrystalDiskMark 8.0.0 x64.
2. Write cache enabled.
3. 5 years or Max Endurance(TBW) limit, whichever occurs first.
4. 1MB/sec = 1,048,576 bytes/sec was used in sequential performance.
5. 1GB means 1,000,000,000 bytes, actual available capacity less.
6. According to internal test, transmission rate may vary depending on host hardware, software and usage.
7. For more details please consult your distributor.



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