

NV5000-N M.2 2280

NVMe SSD

Netac

DATA SHEET



NV5000-N M.2 NVMe SSD uses an ultra-high-speed PCIe Gen4 *4 interfaces and complies with the NVMe 1.4 standard. With read and write speeds up to 4800MB/s and 4600MB/s respectively, which makes it the best choice for your PC and laptop upgrading. Available in capacity from 500GB-1TB to meet your system's needs. It supports SLC caching, which can improve efficiency when loading applications or copying files.

PCIe Gen4 *4 Interface

Netac NV5000-N uses PCIe Gen4 *4 channels, high bandwidth, low latency, reading speed is up to 4800MB/s, which can achieve fast loading and instant response.

Intelligent Temperature Control

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.

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.

Easily Upgrade

500GB/1TB two capacities can be freely selected, providing a broad platform for file interaction, material copying, and game storage.

Highlights

- NVMe M.2 PCIe Gen4 *4 interface
- Read/write speed up to 4800/4600MB/s
- 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



| Specification | 500GB | 1TB |
|------------------------------|---------------------|---------------------|
| Model Number | NT01NV5000N-500-E4X | NT01NV5000N-1T0-E4X |
| Interface | PCIe Gen4, NVMe 1.4 | PCIe Gen4, NVMe 1.4 |
| Form Factor | M.2 2280 | M.2 2280 |
| Performance | | |
| Max. Sequential Read (MB/s) | 4800 | 4800 |
| Max. Sequential Write (MB/s) | 2700 | 4600 |
| Max. Random Read (IOPS) | 200K | 400K |
| Max. Random Write (IOPS) | 440K | 530K |
| Total Bytes Written (TBW) | 320 | 640 |
| Environmental | | |
| Storage Temperature | -40°C~85°C | -40°C~85°C |
| Operation Temperature | 0°C~70°C | 0°C~70°C |
| Shock Resistance | 1500g/0.5ms | 1500g/0.5ms |
| MTBF | 2 million hours | 2 million hours |
| Limited Warranty (Years) | 5 | 5 |
| Physical | | |
| Length | 80mm | 80mm |
| Width | 22mm | 22mm |
| Height | 3mm | 3mm |
| PCBA Weight | <10g | <10g |

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.



Netac Technology Co., Ltd.

Tel: 86-755-26727516 | Website: www.netac.com

16.18.19F, Netac, Building, Number 6 High-tech South St, Nanshan District, Shenzhen, P.R.China 518057

Features and specifications subject to change without notice. Netac Technology Co., Ltd. All rights reserved.

Ver. 12-11-2022