NV5000-t M.2 2280 NVMe SSD

DATA SHEET

Netac

The Netac NV5000-t 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 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.

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
- Compact M.2 2280 form factor
- 5-year limited warranty

Best-Fit Applications

- Laptops
- Desktop PCs
- PS5

PCIe Gen4 *4 Interface

Netac NV5000-t 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.

Storage More

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

Specification	500GB	1TB
Model Number	NT01NV5000t-500-E4X	NT01NV5000t-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, IOmeter

2. Write cache enabled

3. 1MB/sec = 1,048,576 bytes/sec was used in sequential performance

3. 1GB means 1,000,000,000 bytes, actual available capacity less.

4. According to internal test, transmission rate may vary depending on host hardware, software and usage.

5. For more details please consult your distributor.

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