

NV7000-t M.2 2280 NVMe SSD

Netac

DATA SHEET



NV7000-t M.2 NVMe SSD uses an ultra-high-speed PCIe Gen4 *4 interface and complies with the NVMe 1.4 standard. With its read and write speeds up to 7300MB/s and 6700MB/s, you can spend less time on a stutter. It supports SLC caching, which can improve efficiency when loading applications or copying files. Besides, a metal heat spreader will be included for self-installation.

Highlights

- NVMe M.2 PCIe Gen4 *4 interface
- Read/write speed up to 7300/6700MB/s
- High-quality 3D NAND Flash chips
- Supports S.M.A.R.T/TRIM Command/NCQ
- 5-year limited warranty

Best-Fit Applications

- Laptops
- Desktop PCs
- PS5

* It is designed for consumer notebooks and desktops and is not recommended for industrial or server applications.

HIGHER SPEED

Up to 7300MB/s reading speed and 6700MB/s writing speed, 2-3 times faster than PCIe3.0 SSD, and more than 10 times faster than SATA protocol SSD, which can improve your work efficiency.

STABLE PERFORMANCE

Equipped with the advanced intelligent temperature control technology that can help maintain consistent performance.

ULTRA SIZE, BETTER EXPERIENCE

With single-sided PCBs, can easily be used for laptop and PS5 console expansion, greatly accelerating the startup process.

STORE MORE

Available in capacities of up to 2TB, providing a broad platform for file interaction, file copying, and game storage.



Specification	512GB	1TB	2TB
Model Number	NT01NV7000t-512-E4X	NT01NV7000t-1T0-E4X	NT01NV7000t-2T0-E4X
Interface	PCIe Gen4, NVMe 1.4	PCIe Gen4, NVMe 1.4	PCIe Gen4, NVMe 1.4
Form Factor	M.2 2280	M.2 2280	M.2 2280
Performance			
Max. Sequential Read (MB/s)	7200	7300	7300
Max. Sequential Write (MB/s)	4400	6600	6700
Max. Random Read (IOPS)	850K	1000K	900K
Max. Random Write (IOPS)	600K	700K	700K
Total Bytes Written (TBW)	320	640	1280
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 (PCBA)			
Length	22mm	22mm	22mm
Width	80mm	80mm	80mm
Height	2.3mm	2.3mm	2.3mm
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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