NV7000 M.2 2280 NVMe SSD

DATA SHEET

Netac NV7000 SSD uses an ultra-high-speed PCIe Gen4 *4 interface and complies with the NVMe 1.4 standard. With high-speed transfer rates of up to 7200MB/s read and 6850MB/s write, it is the best choice for your PC upgrade. Available in capacities from 1TB-4TB to meet your system's needs. It also supports SLC caching, which can improve efficiency when loading applications or copying files. Besides, the Aluminum heatsink for heat dispassion can effectively cool down and avoid overheating.

Highlights

• NVMe M.2 PCIe Gen4 *4 interface
• Read/write speed up to 7200/6850MB/s
• High-quality 3D NAND flash chips
• Supports S.M.A.R.T/TRIM Command/NCQ
• Compact M.2 2280 form factor
• 5-year limited warranty

Impressive NVMe Speed

Up to 7200MB/s reading speed and 6850MB/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.

Powerful Performance

NV7000 SSD is 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.

Best-Fit Applications

• Desktop PCs
• PS5

Support PS5 M.2 Expansion

The speed meets the expansion requirements of PS5, and comes with the small size exquisite heat dissipation vest compatible with the expansion installation position, easily improving loading speed and enjoying a smooth experience.

Up to 4TB of Storage

Three kinds of the capacity of 1/2/4TB can be selected, providing a broad platform for file interaction, material copying, and game storage.

Specification	1TB	2TB	4TB
Model Number	NT01NV7000-1T0-E4X	NT01NV7000-2T0-E4X	NT01NV7000-4T0-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)	7000	7000	7200
Max. Sequential Write (MB/s)	5500	6700	6850
Max. Random Read (IOPS)	460K	620K	940K
Max. Random Write (IOPS)	920K	900K	1000K
Total Bytes Written (TBW)	640	1280	3000
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.

Netac Technology Co., Ltd.