

# NV3000 M.2 2280

## NVMe SSD

Netac

DATA SHEET



The Netac NV3000 M.2 NVMe SSD uses an ultra-high-speed PCIe Gen3 \*4 interface and complies with the NVMe 1.4 standard. With read and write speeds up to 3300MB/s and 2900MB/s respectively, it is the best choice for your PC upgrading. Available in capacity from 250GB-2TB to meet your system's needs. It supports SLC caching, which can improve efficiency when loading applications or copying files. Besides, it adopts the Aluminum thermal pad for heat dissipation can effectively cool down and avoid overheating.

### Highlights

- NVMe M.2 PCIe Gen3 \*4 interface
- Read/write speed up to 3400/2900MB/s
- Supports S.M.A.R.T./TRIM Command/NCQ
- Compact M.2 2280 form factor
- 5-year limited warranty

### Maximum Speed

With PCIe 3.0 high-speed performance, it brings no stuck operation experience, satisfying the desire for speed.

### Superior Heat Dissipation

It adopts the combination of graphene and aluminum heat dissipation material innovatively, which can realize the uniform and real-time heat dissipation and maintain strong performance.

### Best-Fit Applications

- Laptops
- Desktop PCs



### Efficiency, Durability

A new generation of 3D NAND Flash adopts a vertical stacking unit structure, which also supports LDPC intelligent error correction at the same time. And also equipped with the HMB and SLC Cache technology, intelligently optimize the cache space.

### Multiple Capacities

Support 250GB/500GB/1TB/2TB 4 kinds of capacity, meet different storage requirements.

| Specification                | 250GB               | 500GB               | 1TB                 | 2TB                 |
|------------------------------|---------------------|---------------------|---------------------|---------------------|
| Model Number                 | NT01NV3000-250-E4X  | NT01NV3000-500-E4X  | NT01NV3000-1T0-E4X  | NT01NV3000-2T0-E4X  |
| Interface                    | PCIe Gen3, NVMe 1.4 | PCIe Gen3, NVMe 1.4 | PCIe Gen3, NVMe 1.4 | PCIe Gen3, NVMe 1.4 |
| Form Factor                  | M.2 2280            | M.2 2280            | M.2 2280            | M.2 2280            |
| <b>Performance</b>           |                     |                     |                     |                     |
| Max. Sequential Read (MB/s)  | 3100                | 3300                | 3400                | 3300                |
| Max. Sequential Write (MB/s) | 1400                | 2400                | 2900                | 2900                |
| Max. Random Read (IOPS)      | 160K                | 200K                | 220K                | 320K                |
| Max. Random Write (IOPS)     | 120K                | 150K                | 160K                | 280K                |
| Total Bytes Written (TBW)    | 150                 | 300                 | 600                 | 1200                |
| <b>Environmental</b>         |                     |                     |                     |                     |
| Storage Temperature          | -40°C~85°C          | -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            | 0°C~70°C            |
| Shock Resistance             | 1500g/0.5ms         | 1500g/0.5ms         | 1500g/0.5ms         | 1500g/0.5ms         |
| MTBF                         | 2 million hours     | 2 million hours     | 2 million hours     | 2 million hours     |
| Limited Warranty (Years)     | 5                   | 5                   | 5                   | 5                   |
| <b>Physical</b>              |                     |                     |                     |                     |
| Length                       | 80mm                | 80mm                | 80mm                | 80mm                |
| Width                        | 22mm                | 22mm                | 22mm                | 22mm                |
| Height                       | 3mm                 | 2.9mm               | 2.9mm               | 2.9mm               |
| PCBA Weight                  | <8g                 | <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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