



TEAMGROUP NV5000 M.2 PCIe4.0 SSD

Primary functions and features

- High-performance Entry-level PCIe Gen4 x4 SSD
- Store Everything with 2TB Storage
- Patented Graphene Cooling Technology for Stable Performances
- Monitor SSD Health with S.M.A.R.T.
- Recycled Packaging Materials: Better for the Planet
- Comprehensive Protection with 3-year Warranty
- Heat dissipating graphene label patents:
 - Taiwan utility patent (No.: M628748)
 - China utility patent (No.: CN 217135922 U)
- Patented S.M.A.R.T. software
 - Taiwan invention patent (No.: I751753)

Specifications

Model	TEAMGROUP NV5000 M.2 PCIe4.0 SSD
Interface	PCIe Gen4x4 with NVMe
Capacity	500GB / 1TB / 2TB ^[1]
Voltage	DC +3.3V
DRAM Cache	NO
Terabyte Written (SSD-PCIe)	500GB : 160 TBW 1TB : 320 TBW 2TB : 640 TBW ^[2]
Operation Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
Performance	Crystal Disk Mark : 500GB : Read up to 4,500 MB/s ; Write up to 1,800 MB/s 1TB : Read up to 4,500 MB/s ; Write up to 1,900 MB/s 2TB : Read up to 5,000 MB/s ; Write up to 3,000 MB/s
Weight	7 g
Dimensions	80(L) x 22(W) x 3.7(H) mm
Vibration	80Hz ~ 2000Hz/20G
Shock	1500G / 0.5ms
MTBF	2,000,000 Hours
Operating System	Compatible with Intel and AMD platforms and has one of the following operating systems: <ul style="list-style-type: none"> • Windows 11/ 10 / 8.1 / 8 / 7 / Vista or later • MAC OS 10.4 or later • Linux 2.6.33 or later
Warranty	3-year limited warranty ^[2]

Ordering information

Capacity	Team P/N
500GB	TM8FGM500G0C101
1TB	TM8FGM001T0C101
2TB	TM8FGM002T0C101



Team Group Inc. was founded in 1997 in Taiwan, leading the industry by possessing professional research and development capabilities and a tightly-knit global sales network in storage and memory product, ranking among CommonWealth Magazine's top 1000 enterprises.



PERFECT CHOICE

Products from Team Group Inc. have been well received by the technology media around the globe and have won honors such as COMPUTEX d&I awards, COMPUTEX Best Choice Award, GOOD DESIGN AWARD, Golden Pin Design Award, Taiwan Excellence Awards, iF Design Award and Red Dot Award.

GLOBALIZATION

Team Group Inc. has built up a strong center in Taiwan for production, R&D, sales and customer service, and has over 300 global sales agents and 400 employees worldwide. Team Group Inc. uses differentiating sales strategies with a global vision and localized channel management to establish a closed distribution network.

GUARANTEED QUALITY & WARRANTY SERVICE

Team Group Inc. is well praised by the industry and customers by adhering to the corporate philosophy of "Integrity, Innovation, Professionalism, Efficiency, Discipline, and Simplicity." We offer faster repair and exchange services than others, guaranteeing a minimized delivery time for every global customer.

SOLID R&D CAPABILITIES

With the best technical and manufacturing team, products from Team Group Inc. are made with innovation and strict quality control. Our memory technology has passed the ISO9001 and ISO14001 certifications, taking the lead in the memory industry with our latest overclocking memory modules.



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1. Product Applicability and Compatibility

- 1GB = 1,000,000,000 bytes, 1TB = 1,000,000,000,000 bytes. However, the actual usable capacity may be lower than the stated capacity as some capacity is used for formatting and system functions. Displayed capacity may also vary due to differences in OS calculation methods.
- The definition and calculation method of Total Bytes Written (TBW) follow JEDEC standards.
- Transfer speed may vary depending on the testing hardware and software conditions. Data is for reference only.
- General I/O performance is measured using CrystalDiskMark® under a completely new and unused condition. System differences will affect measurement results.
- Before purchasing, please make sure that your device, motherboard, processor (CPU), and BIOS support the SSD you are buying to avoid incompatibility issues.
- Some older Intel/AMD chipset motherboards/laptops may not support newer interface SSDs. Before purchasing, please refer to the motherboard/laptop and processor (CPU) specifications or consult the manufacturer for confirmation.
- Updating the motherboard/laptop BIOS before installing the SSD is recommended to ensure optimal compatibility and performance.
- All related test data is obtained from TEAMGROUP's internal laboratory. Maximum performance may vary under AMD/Intel processors (CPU), and actual performance may differ.

2. Warranty and Support

- TEAMGROUP SSDs are covered by either a limited-term warranty period or a TBW warranty, whichever comes first. If there is a discrepancy between third-party software TBW data and TEAM SMART TOOL data, the latter shall be the basis for warranty determination.
- All TEAM-branded SSDs are covered by a warranty service, meaning that if the product is damaged due to natural factors from the date of purchase, free repair services will be provided within the warranty period.
- This warranty period may not be applicable in some countries or states due to local laws. However, the restricted warranty period does not affect the maximum legal warranty period granted in those regions. Please read the disclaimer and limited liability terms carefully. For detailed warranty terms, refer to the official website.
- The warranty covers only material and manufacturing defects under normal use. It does not cover damages caused by incorrect BIOS settings, voltage adjustments, environmental factors (such as high temperature, high humidity, electrostatic discharge), or incompatible hardware configurations.
- If you encounter any compatibility or installation issues, please contact TEAMGROUP technical support for professional advice.

3. Important Reminders

- Before purchasing, please make sure that your motherboard/laptops, processor (CPU), and BIOS support the SSD you are buying to avoid incompatibility issues.
- If the system fails to boot, runs unstably, or does not achieve the stated speed, please verify whether the BIOS is updated.
- Product images, models, data, functions, performance, and specifications listed on this website are for reference only. The company reserves the right to modify all designs and specifications without notice. Please refer to the actual product and user manual for accurate details. Unless otherwise specified, all data mentioned on this website are results of internal company testing, and all comparisons are made against the company's traditional products.



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