



## TEAMGROUP MP44S M.2 PCIe 4.0 SSD

MP44S M.2 PCIe 4.0 SSD adopts the PCIe Gen4x4 interface and features read/write speeds of up to 5,000 MB/s and 3,500MB/s. The maximum capacity option is 2TB, allowing users to save games, high-resolution videos and pictures, and gargantuan data with ease. It is equipped with TEAMGROUP's exclusive patented heat dissipating graphene label that enhances heat dissipation performance and enables better system operating stability. The 22mm x 30mm size specification and thickness under 1 mm perfectly eradicate any possible mechanical interference in assembly. It is 100% compatible with products including STEAM Deck and ROG FLOW Z13, making it the best option for capacity upgrade on lightweight devices.

### Primary functions and features

- Top choice for STEAM Deck capacity upgrade
- Top choice for capacity upgrade on lightweight devices
- Heat dissipating graphene label for enhanced heat dissipation and system operating stability
- Small-size solution offering TB-grade massive capacity
- Gen4 read/write speed compatible with PCIe Gen3 interface
- Recyclable packaging contributing to sustainability endeavors
- TEAMGROUP's exclusive patented S.M.A.R.T. monitoring software
- Five-year warranty for reassurance
- Heat dissipating graphene label patents  
Taiwan utility patent (No.: M628748)  
China utility patent (No.: CN 217135922 U)
- S.M.A.R.T. software patent
- Taiwan invention patent (No.: I751753)

### Main introduction

#### Top choice for capacity upgrade on lightweight devices

MP44S M.2 PCIe 4.0 SSD adopts the 22mm x 30mm size specification. It is perfectly compatible with products including STEAM Deck and ROG FLOW Z13. It is without a doubt the top choice for capacity upgrade on lightweight devices.

#### Heat dissipating graphene label for enhanced heat dissipation and system operating stability

MP44S M.2 PCIe 4.0 SSD adopts TEAMGROUP's exclusive patented heat dissipating graphene label which enhances heat dissipation performance and enables better system operating stability. Less than 1mm thick, it perfectly eradicates any possible mechanical interference.

#### Small-size solution offering TB-grade massive capacity

It is less merely 3 cm in length with a maximum storage capacity of up to 2TB. Users can save games, high-resolution videos and pictures, and gargantuan data with ease.

#### Gen4 read/write speed compatible with PCIe Gen3 interface

MP44S M.2 PCIe 4.0 SSD adopts the PCIe Gen4x4 interface, featuring read/write speeds of up to 5,000 MB/s and 3,500MB/s. It is also backward compatible with PCIe Gen3 M.2 sockets.

#### Recyclable packaging contributing to sustainability endeavors

MP44S M.2 PCIe 4.0 SSD uses recyclable packaging and has passed environmental protection certifications including RoHS, REACH, and ESG standards, contributing to sustainability endeavors.

#### TEAMGROUP's exclusive patented S.M.A.R.T. monitoring software

It is equipped with TEAMGROUP's exclusive patented S.M.A.R.T. monitoring software that monitors product status at all times. It also monitors product quality and performance through fast and easy setting and inspection.

#### Five-year warranty for reassurance

MP44S M.2 PCIe 4.0 SSD comes with a five-year warranty. It has been through rigorous testing and quality control to ensure fine quality for your reassurance.



## Specifications

Interface	PCIe 4.0 x4 with NVMe
External size	M.2 2230
Capacity	1TB / 2TB <sup>[1]</sup>
Voltage	DC +3.3V
Operation Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
DRAM Cache	NO
Terabyte Written	1TB - 250TBW 2TB - 450TBW <sup>[2]</sup>
Performance	Crystal Disk Mark : Read up to 5,000 MB/s ; Write up to 3,500 MB/s <sup>[3]</sup> IOPS : Read up to 480K ; Write up to 500K <sup>[3]</sup>
Weight	3g
Dimensions	30(L) x 22(W) x 3.7(H) mm
Humidity	RH 90% under 40°C (operational)
Vibration	80Hz ~ 2000Hz/20G
Shock	1500G / 0.5ms
MTBF	1,500,000 Hours
Operating System	Compatible with Intel and AMD platforms and has one of the following operating systems : <ul style="list-style-type: none"> <li>Windows 11/ 10 / 8 / 7 / Vista or later</li> <li>Linux 2.6.33 or later</li> </ul>
Warranty	5-year limited warranty <sup>[4]</sup>

[1] 1GB=1,000,000,000 Bytes. In OS system, it would be displayed as 1,000,000,000 Bytes/1024/1024/1024 = 0.93GB

[2] Definition and conditions of TBW (Terabytes Written) are based on JEDEC standard

[3] Transmission speed will vary according to different hardware /software conditions, therefore the data can only be used for basic reference.

[4] The SSD is based on the TBW or Warranty period.

※We reserve the right to modify product specifications without prior notice.

※M.2 SSD Installation Instructions [https://www.teamgroupinc.com/en/info/ins.php?index\\_id=76](https://www.teamgroupinc.com/en/info/ins.php?index_id=76)

## Ordering information

Capacity	Team P/N
1TB	TM5FF3001T0C101
2TB	TM5FF3002T0C101



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&g 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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