



TEAMGROUP MP44 M.2 PCIe 4.0 SSD

Primary functions and features

- Gargantuan space for all-encompassing data storage
- Heat dissipating graphene label, the best enhancement to motherboard heatsink
- PCIe Gen4 ultra-speed performance exceeding 7,000MB/s
- SSD patented monitoring
- Recyclable packaging contributing to environmental sustainability
- Five-year warranty for comprehensive protection
- 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)

Ordering information

Capacity	Team P/N
512GB	TM8FPW512G0C101
1TB	TM8FPW001T0C101
2TB	TM8FPW002T0C101
4TB	TM8FPW004T0C101
8TB	TM8FPW008T0C101

Specifications

Interface	PCIe 4.0 x4 with NVMe
Capacity	512GB / 1TB / 2TB / 4TB / 8TB ^[1]
Voltage	DC +3.3V
Operation Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
DRAM Cache	NO
Terabyte Written	512GB : 256TBW 1TB : 512TBW 2TB : 1,024TBW 4TB : 2,048TBW 8TB : 4,096TBW ^[2]
Performance	Crystal Disk Mark : 512GB: R/W up to 7,000/4,500MB/s 1TB: R/W up to 7,200/6,200MB/s 2TB: R/W up to 7,400/6,400MB/s 4TB : Read up to 7,400 MB/s ; Write up to 6,900 MB/s 8TB : Read up to 7,200 MB/s ; Write up to 6,000 MB/s ^[3] IOPS : 512GB : Read up to 590K ; Write up to 610K 1TB : Read up to 650K ; Write up to 650K 2TB : Read up to 650K ; Write up to 660K 4TB : Read up to 650K ; Write up to 660K 8TB : Read up to 650K ; Write up to 590K ^[3]
Weight	7 g
Dimensions	80(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	1,600,000 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 / 7 / Vista or later • Linux 2.6.33 or later
Warranty	5-year warranty ^[4]

[1] 1GB=1,000,000,000 Bytes. In the operating system, it is displayed as 1,000,000,000 Bytes / 1024 / 1024 / 1024 = 0.93GB.
[2] Definition and calculation of terabytes written (TBW) are based on the JEDEC standard.
[3] Transmission speed may vary according to different hardware and software conditions. Therefore, the data can only be used as basic reference.
[4] SSD warranty is applicable either by the standard for terabytes written (TBW) or the warranty duration, whichever is met earlier.



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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