



TEAMGROUP MP44L M.2 PCIe Gen4

Primary functions and features

- Heat dissipating graphene SSD label.
- Supporting SLC Cache enhancing work efficiency drastically.
- Diversified optimization technology for stability, durability, and enhanced reliability.
- Supporting the latest NVMe standards
- S.M.A.R.T monitoring software.
- Trustworthy and reliable five-year warranty.
- Taiwan Utility Patent (number : M628748)
- China Utility Patent (number:CN217135922 U)

Ordering information

Capacity	Team P/N
250GB	TM8FPK250G0C101
500GB	TM8FPK500G0C101
1TB	TM8FPK001T0C101
2TB	TM8FPK002T0C101

Specifications

Model	TEAMGROUP MP44Q M.2 PCIe Gen4
Interface	PCIe 4.0 x4 with NVMe
Capacity	250GB / 500GB / 1TB / 2TB ^[1]
Voltage	DC +3.3V
Operation Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
DRAM Cache	NO
Terabyte Written	250GB : 200TBW 500GB : 300TBW 1TB : 600TBW 2TB : 1200TBW ^[2]
Performance	Crystal Disk Mark: 250GB Read/Write : up to 4,650 / 1,900MB/s 500GB Read/Write : up to 5,000 / 2,500MB/s 1TB Read/Write : up to 5,000 / 4,500MB/s 2TB Read/Write : up to 4,800 / 4,400MB/s ^[3] IOPS: 250GB Read/Write : up to 220K / 470K 500GB Read/Write : up to 440K / 545K 1TB Read/Write : up to 525K / 550K 2TB Read/Write : up to 525K / 550K ^[3]
Weight	7 g
Dimensions	80(L) x 22(W) x 2.25 (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"> Windows 11/ 10 / 8 / 7 / Vista or later Linux 2.6.33 or later
Warranty	5-year limited warranty ^[4]

[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 use for basic reference.

[4] Warranty period for the SSD is determined by whichever condition is met first: total bytes written (TBW) or the warranty period in years.

※ 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



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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