



T-FORCE GA PRO PCIe 5.0 SSD

Primary functions and features

- Gen5 Is beyond Limits, Offering Next-gen Speed Performance
- Multi-core Solution for Performance Evolution
- Data Security Isolation Mechanism
- New Generation Error Correction Technology
- Patented graphene heatsink for enhanced heat dissipation and system operating stability
- S.M.A.R.T. Monitoring System
- Be Eco-friendly and Conserve the Earth
- Patented Graphene Heat Sink
- Invention patent number in the US: US11051392B2
- Innovation patent number in Taiwan: I703921
- Utility model patent number in China: CN 211019739 U
- Patented S.M.A.R.T. Software
- Innovation patent number in Taiwan: I751753

Specifications

Interface	PCIe Gen5 x4 with NVMe
Capacity	1 TB / 2TB / 4TB / 8TB ^[1]
Voltage	DC +3.3V
DRAM Cache	GA Pro (Yes)
Terabyte Written (SSD-PCIe)	1 TB - 600 TBW 2 TB - 1200 TBW 4 TB - 2400 TBW 8 TB - 4800 TBW ^[2]
Operation Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
Data Transfer Rate Performance	Crystal Disk Mark: 1 TB - Read/Write : up to 10,000/8,500 MB/s 2 TB - Read/Write : up to 10,000/8,500 MB/s 4 TB - Read/Write : up to 10,000/8,500 MB/s 8TB - Read/Write : up to 10,000/8,500 MB/s
Weight	7g
Dimensions	80.0(L) x 22.0(W) x 3.9(H)mm with Graphene 77.0(L) x 24.7(W) x 62.3(H) mm with AirFlow I heat sink
Vibration	80Hz~2,000Hz/20G
Shock	1,500G/0.5ms
MTBF	1,600,000 Hours
Operating System	Compatible with Intel and AMD platforms and has one of the following operating systems: Windows 11 / 10 / 8.1 / 8 / 7 / Vista, MAC OS 10.4 or later, Linux 2.6.33 or later
Warranty	5-year limited warranty ^[10]

[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] There is high-power heat generated by the high transmission rate of Gen5 NVMe SSDs. To avoid the speed reduction caused by over heat, we suggest that Gen5 NVMe SSDs be used with additional heat sinks or even cooling fans. Team Group Inc. also provides liquid coolers, SSD fans and other related products for users, aimed at offering experiences of the best performance. If the Gen5 NVMe SSDs are not used with the heat sinks or coolers tested by labs of Team Group Inc, they may be malfunctioned or even damaged.

[5] It is advised that power supplies of above 850W are used with Gen5 NVMe SSD to ensure power stability of the motherboard system.

[6] As tested by T-FORCE Lab, the highest performance may differ when using AMD/Intel CPU.

[7] Team Group Inc keeps developing cooling solutions and cooperating with the motherboard manufacturers, such like the application to laptops or console games, always focusing on develop better solutions.

[8] All the test data is provided by TEAMGROUP's laboratory and the information of test data is only for reference. We reserve the right to modify product specifications without prior notice.

[9] If the SSD firmware is early version, it will be suggested to update it that users should go for the "SUPPORT" to download the exclusive firmware of the latest version.

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

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T-FORCE is TEAM force. The red "T" on the logo of "TF" represents TEAMGROUP's passion for the storage products. The black "F" represents TEAMGROUP's over 18 years of promotion of storage products. The visual design of the perfect combination elegantly symbolizes a pair of flying wings.



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 overlocking memory modules.



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R-RTgp-TM8FFS004T0C12

Ordering information

Series	Capacity	Team P/N
GA PRO (with Graphene heat sink)	1 TB	TM8FFJ001T0C129
	2 TB	TM8FFJ002T0C129
	4 TB	TM8FFJ004T0C129
	8 TB	TM8FFJ008T0C129
GA PRO (with AirFlow I heat sink)	8 TB	TM8FGL008TTC133



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