

Home > SSD > GIGABYTE M30 SSD 512GB

GIGABYTE

M30 SSD

512GB

Key Features Specification Support Gallery

Buy

 Where To Buy

 Online Store

GP-GM30512G-G

Interface PCIe 3.0x4, NVMe 1.3

Form Factor M.2 2280

Total Capacity 512GB

NAND 3D TLC NAND Flash

External DDR Cache DDR3L 2Gb

Sequential I Read speed Up to 3500 MB/s

Sequential I Write speed Up to 2600 MB/s

Random Read up to 350K

IOPS

Random Write IOPS

up to 302K

Dimensio n

22 x 2.3 x 80 mm

Mean time between failure (MTBF)

2 million hours

Power Consump tion (Active)

Average: R: 5.9W, W:5W

Power Consump tion (Idle)

L0/L0s/L1: 900mw
L1.2 < 3mw

Temperat ure (Operatin g)

0°C to 70°C

Temperat ure (Storage)

-40°C to 85°C

Warranty

1. Limited 5-years or 350TBW.
2. Limited warranty based on 5 years or 350TBW, whichever comes first. (*TBW is evaluated by JEDEC workload standard.)
*TBW (Terabyte Written): Terabytes Written is the total amount of data that can be written into a SSD before it is likely to fail.
3. When the usage of an NVME SSD as indicated by the "Percentage Used" (SMART ID:

05) in SMART page of "GIGABYTE SSD toolbox" reaches 100 means out of warranty. (A new unused product will show the number of 0)

Note

- Test system configuration: configuration may vary by models, we will choose the latest platform for verification.
- Performance may vary based on SSD's firmware version and system hardware & configuration. Sequential performance measurements based on CrystalDiskMark and IOMeter 1.1.0.
- Speeds based on internal testing. Actual performance may vary.
- 1GB = 1 billion bytes. Actual useable capacity may vary.

* The entire materials provided herein are for reference only. GIGABYTE reserves the right to modify or revise the content at anytime without prior notice.

* Advertised performance is based on maximum theoretical interface values from respective Chipset vendors or organization who defined the interface specification. Actual performance may vary by system configuration.

* All trademarks and logos are the properties of their respective holders.

* Due to standard PC architecture, a certain amount of memory is reserved for system usage and therefore the actual memory size is less than the stated amount.



Where To Buy



Online Store

DISCOVER

Join Us

Customer Care

COMPANY

About Us

CSR

News

CONSUMER

Motherboard

Graphics Card

Laptop

ENTERPRISE

Server Motherboard

Rack Server

GPU Server

SOLUTION

Application Solutions

Industry Solutions

SERVICE / SUPPORT

Consumer Products

Enterprise Products

GIGABYTE Stable Models (GSM) Business Center	Career	Monitor	High Density Server	RESOURCE	Online Support
	Investor	Desktop PC	Advanced Cooling	Insight	
	Contact Us	PC Peripherals	ARM Server	Success Case	
		PC Components	Storage Server	Awards	
			Edge Server	News	
			Tower Server / Workstation	Events	
			Embedded Computing		

FOLLOW US

