



GIGABYTE M.2 PCIe SSD 256GB

Buy  Where To Buy
 Online Store

Key Features Specification Support News & Awards

GP-GSM2NE8256GNTD

Interface	PCI-Express 3.0 x2, NVMe 1.3
Form Factor	M.2 2280
Total Capacity	256GB
NAND	NAND Flash
External DDR Cache	N/A
Sequential Read speed	Up to 1200 MB/s
Sequential Write speed	Up to 800 MB/s
Random Read IOPS	Up to 80K
Random Write IOPS	Up to 150K
Dimension	80 x 22 x 2.3 mm
Mean time between failure (MTBF)	1.5M hours
Power Consumption (Active)	Average : R : 2200mW ; W : 2100mW
Power Consumption (Idle)	50mW
Temperature (Operating)	0°C to 70°C
Temperature (Storage)	-40°C to 85°C
Warranty	1. Limited 3-years or 200TBW. 2. Limited warranty based on 3 years or 200TBW, 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.

DISCOVER	COMPANY	CONSUMER	ENTERPRISE	SOLUTION	SERVICE / SUPPORT
Join Us	About Us	Motherboard	Server Motherboard	Application Solutions	Consumer Products
Customer Care	CSR	Graphics Card	Rack Server	Industry Solutions	Enterprise Products
GIGABYTE Stable Models (GSM)	News	Laptop	GPU Server		Online Support
Business Center	Career	Monitor	High Density Server	RESOURCE	
	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

