

Home > SSD > AORUS Gen5 10000 SSD 2TB

AORUS Gen5 10000 SSD 2TB

Key Features Specification Support

Buy
Where To Buy
Online Store

News & Awards Gallery

AG510K2TB

Interface PCI-Express 5.0 x4, NVMe 2.0

Form Factor M.2 2280

Total Capacity 2000GB

NAND 3D TLC NAND Flash

External DDR Cache LPDDR4 4GB

Sequential Read speed Up to 10,000 MB/s

Sequential Write speed UP to 9,500 MB/s

Dimension SSD without Heatsink: 80 x 22 x 3.5mm
SSD with Heatsink: 92 x 23.5 x 44.7 mm

Please refer to the file to check the [M.2 Thermal Guard XTREME Incompatible List](#)

Mean time between failure (MTBF)	1.6 million hours
Max. Operating Power	11W
Power Consumption (Idle, PS3)	<144mW
Power Consumption(PS4, L1.2)	<85mW
Temperature (Operating)	0°C to 70°C
Temperature (Storage)	-40°C to 85°C
Warranty	<div>1. Limited 5-years or 1400TBW.</div> <div>2. Limited warranty based on 5 years or 1400TBW, whichever comes first. (*TBW is evaluated by JEDEC workload standard.)</div> <div>*TBW (Terabyte Written): Terabytes Written is the total amount of data that can be written into a SSD before it is likely to fail.</div> <div>3. When the usage of an NVME SSD as indicated by the "Percentage Used" (SMART ID: 05) in SMART page of "GIGABYTE SSD</div>

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.
- * To keep AORUS Gen5 10000 SSD from overheating, please adopt the motherboard build-in heatsink or Thermal Guard Xtreme heatsink to prevent throttling.

* 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

COMPANY

About Us

CONSUMER

Motherboard

ENTERPRISE

Server Motherboard

SOLUTION

SERVICE /
SUPPORT

Customer Care	CSR	Graphics Card	Rack Server	Application Solutions	Consumer Products
GIGABYTE Stable Models (GSM)	News	Laptop	GPU Server	Industry Solutions	Enterprise Products
Business Center	Career	Monitor	High Density Server		Online Support
	Investor	Desktop PC	Advanced Cooling	RESOURCE	
	Contact Us	PC Peripherals	ARM Server		Insight
		PC Components	Storage Server		Success Case
			Edge Server		Awards
			Tower Server / Workstation		News
			Embedded Computing	Events	

FOLLOW US

