

AORUS Gen4 5000E SSD 1TB

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Interface

Form Factor

Total Capacity

NAND

Sequential Read speed

Sequential Write speed

Dimension

Mean time between failure (MTBF)

Power Consumption (Active)

Power Consumption (Idle) (ASPT on)

Temperature (Operating)

Temperature (Storage)

Warranty

Note

AG450E1024-G

PCI-Express 4.0x4, NVMe 1.4

M.2 2280

1TB (1024GB)

3D TLC NAND Flash

Up to 5,000 MB/s

Up to 4,600MB/s

80 x 22 x 2.3 mm

1.5 million hours

Average : R : 4.2W / W : 4.3W

20mW

0°C to 70°C

-40°C to 85°C

- 1. Limited 5-years or 600TBW.
- 2. Limited warranty based on 5 years or 600TBW, 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)
- • 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.

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* 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.

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* 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.