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GIGABYTE

Gen4 4000E

SSD 500GB

Key Features Specification Support Gallery

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Where To Buy



Online Store

G440E500G

Interface PCI Express 4.0x4, NVMe 1.4

Form Factor M.2 2280

Total Capacity 500GB

External DDR Cache N/A

Sequential Read speed Up to 3600 MB/s

Sequential Write speed Up to 3000MB/s

Dimension 22 x 2.3 x 80 mm

Mean time between failure (MTBF)	1.5 million hours
Max. Operating Power	Read: 4300mW Write: 4400mW
Power Consumption (Idle, PS3)	40mW
Power Consumption(PS4, L1.2)	5mW
Temperature (Operating)	0°C to 70°C
Temperature (Storage)	-40°C to 85°C
Warranty	<div>1. Limited 3 years or 300TBW.</div> <div>2. Limited warranty based on 3 years or 300TBW, 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 toolbox"" reaches 100 means out of warranty. (A new unused product will show the number of 0)</div>

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.

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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.

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