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Key Features Specification Support

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AG450E500G-G

Interface PCI-Express 4.0x4, NVMe 1.4

Form Factor M.2 2280

Total Capacity 500GB

NAND 3D TLC NAND Flash

Sequential Read speed Up to 5,000 MB/s

Sequential Write speed Up to 3,800 MB/s

Dimension 80 x 22 x 2.3 mm

Mean time between

failure
(MTBF)

Power
Consumption
(Active)

Average : R : 4W / W : 4W

Power
Consumption
(Idle)
(ASPT on)

20mW

Temperature
(Operating)

0°C to 70°C

Temperature
(Storage)

-40°C to 85°C

Warranty

- 1. Limited 5-years or 300TBW.
- 2. Limited warranty based on 5 years or 300TBW, 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.

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- * 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.

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