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# AORUS NVMe Gen4 SSD 2TB

Key Features   Specification   Support

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GP-ASM2NE6200TTTD

Interface   PCI-Express 4.0x4, NVMe 1.3

Form Factor   M.2 2280

Total Capacity   2000GB

NAND   3D TLC Toshiba BiCS4

External DDR Cache   DDR4 2GB

Sequential Read speed   Up to 5000 MB/s

Sequential Write speed   Up to 4400 MB/s

Random Read   up to 750k

IOPS

Random  
Write  
IOPS            up to 700k

Dimension  
            80.5 x 11.25 x 23.5 mm

Mean  
time  
between  
failure  
(MTBF)        1.77 million hours

Power  
Consump  
tion  
(Active)        Average: R : 6.5W; W : 6.6W

Power  
Consump  
tion (Idle)      21.1mw

Temperat  
ure  
(Operatin  
g)            0°C to 70°C

Temperat  
ure  
(Storage)       -40°C to 85°C

Warranty        1. Limited 5-years or 3600TBW.  
                     2. Limited warranty based on 5 years or 3600TBW, 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.

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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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