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Key Features Specification Support

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GP-GSM2NE3128GNTD

Interface PCI-Express 3.0 x4, NVMe 1.3

Form Factor M.2 2280

Total Capacity 128GB

NAND NAND Flash

External DDR Cache N/A

Sequential Read speed Up to 1550 MB/s

Sequential Write speed Up to 550 MB/s

Random Read Up to 100k

IOPS

Random Write IOPS Up to 130k

Dimension 80 x 22 x 2.3 mm

Mean time between failure (MTBF) 1.5M hours

Max. Operating Power Read:2.2W Write:1.7W

Power Consumption (Idle, PS3) 30mW

Power Consumption(PS4, L1.2) 5mW

Temperature (Operating) 0°C to 70°C

Temperature (Storage) -40°C to 85°C

Warranty 1. Limited 5-years or 110TBW.
2. Limited warranty based on 5 years or 110TBW, 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.

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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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