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Key Features Specification Support

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GP-GSM2NE3100TNTD

Interface PCI-Express 3.0 x4, NVMe 1.3

Form Factor M.2 2280

Total Capacity 1TB

NAND NAND Flash

External DDR Cache N/A

Sequential Read speed Up to 2500 MB/s

Sequential Write speed Up to 2100 MB/s

Random Read Up to 295k

IOPS

Random Write IOPS	Up to 430k
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Dimension	80 x 22 x 2.3 mm
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Mean time between failure (MTBF)	1.5M hours
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Max. Operating Power	Read: 3.5W Write: 3.3W
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Power Consumption (Idle, PS3)	30mW
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Power Consumption (PS4, L1.2)	5mW
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Temperature (Operating)	0°C to 70°C
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Temperature (Storage)	-40°C to 85°C
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Warranty	1. Limited 5-years or 1600TBW. 2. Limited warranty based on 5 years or 1600TBW, whichever comes first. (*TBW is evaluated by JEDEC workload standard.)
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*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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