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GIGABYTE M30 SSD 1TB

Key Features Specification Support

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GP-GM301TB-G

Interface PCIe 3.0x4, NVMe 1.3

Form Factor M.2 2280

Total Capacity 1TB

NAND 3D TLC NAND Flash

External DDR Cache DDR3L 2Gb

Sequential Read speed Up to 3500 MB/s

Sequential Write speed Up to 3000 MB/s

Random Read IOPS up to 308K

Random Write IOPS	up to 332K
Dimension	22 x 2.3 x 80 mm
Mean time between failure (MTBF)	2 million hours
Power Consumption (Active)	Average: R: 5.9W, W:5W
Power Consumption (Idle)	L0/L0s/L1: 900mw L1.2 < 3mw
Temperature (Operating)	0°C to 70°C
Temperature (Storage)	-40°C to 85°C
Warranty	<div>1. Limited 5-years or 650TBW.</div> <div>2. Limited warranty based on 5 years or 650TBW, 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</div>

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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