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GIGABYTE

SSD 512GB

Key Features Specification Support

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GP-GSTFS31512GNTD-V

Interface	SATA 6.0Gb/s
Form Factor	2.5-inch internal SSD
Total Capacity	512GB
NAND	3D NAND Flash
External DDR Cache	N/A
Sequential Read speed	Up to 550 MB/s
Sequential Write speed	Up to 500 MB/s
Random Read IOPS	up to 72k
Random Write IOPS	up to 82k
Dimension	69.85 x 7 x 100 mm

Mean time between failure (MTBF)	2M hours
Power Consumption (Active)	Average : R : 1.86mW; W : 1.95mW
Power Consumption (Idle)	AVG. 1.16mW
Temperature (Operating)	0°C to 70°C
Temperature (Storage)	-40°C to 85°C
Warranty	<div>1. Limited 3-years or 200TBW</div> <div>2. Limited warranty based on 3 years or 200TBW, whichever comes first.</div> <div>*TBW (Terabyte Written):Terabytes Written is the total amount of data that can be written into an SSD before it is likely to fail.</div> <div>3. The "percentage of SSD life" (SMART ID: E7 or A9) in SMART page of the "GIGABYTE SSD toolbox" program will be used as the determining criteria when the number is 0 means out of warranty. (A new unused product will show the percentage of 100.)</div>
Note	<div>• Test system configuration: configuration may vary by models; we will choose the latest platform for verification.</div> <div>• Performance may vary based on SSD's firmware version and system hardware & configuration. Sequential performance measurements based on CrystalDiskMark and IOmeter 1.1.0.</div>

- 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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