

Home > SSD > GIGABYTE UD PRO SSD 512GB

GIGABYTE UD PRO SSD 512GB

Key Features Specification Support

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GP-UDPRO512G

Interface SATA 6.0Gb/s

Form Factor 2.5-inch internal SSD

Total Capacity 512GB

NAND TLC NAND Flash

External DDR Cache 256MB

Sequential I Read speed 550 MB/s

Sequential I Write speed 530MB/s

Random Read 97K

IOPS

Random
Write
IOPS

89K

Dimension

69.85 x 7 x 100 mm

Mean
time
between
failure
(MTBF)

1.6M hours

Power
Consumption
(Active)

Average: R : 2100mW ; W : 2000mW

Power
Consumption (Idle)

100mW

Temperature
(Operating)

0°C to 70°C

Temperature
(Storage)

-40°C to 85°C

Warranty

1. Limited 5-years or 370TBW
2. Limited warranty based on 5 years or 370TBW, whichever comes first.
*TBW (Terabyte Written):Terabytes Written is the total amount of data that can be written into an SSD before it is likely to fail.
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.)

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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