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AORUS NVMe Gen4 SSD 1TB

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GP-ASM2NE6100TTTD

| | |
|----------------------------------|-----------------------------|
| Interface | PCI-Express 4.0x4, NVMe 1.3 |
| Form Factor | M.2 2280 |
| Total Capacity | 1000GB |
| Warranty | Limited 5-years or 1800TBW |
| NAND | 3D TLC Toshiba BiCS4 |
| External DDR Cache | DDR4 1GB |
| Sequential Read speed | Up to 5000 MB/s |
| Sequential Write speed | Up to 4400 MB/s |
| Random Read IOPS | up to 750k |
| Random Write IOPS | up to 700k |
| Dimension | 80.5 x 11.25 x 23.5 mm |
| Mean time between failure (MTBF) | 1.77 million hours |

| | |
|-----------------------------------|-----------------------------|
| Power Consumption (Active) | Average: R : 6.6W; W : 6.4W |
|-----------------------------------|-----------------------------|

| | |
|---------------------------------|--------|
| Power Consumption (Idle) | 18.8mw |
|---------------------------------|--------|

| | |
|--------------------------------|-------------|
| Temperature (Operating) | 0°C to 70°C |
|--------------------------------|-------------|

| | |
|------------------------------|---------------|
| Temperature (Storage) | -40°C to 85°C |
|------------------------------|---------------|

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|-------------|--|
| Note | <ul style="list-style-type: none">* 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 v.5.1.2 and Iometer 1.1.0.* Speeds based on internal testing. Actual performance may vary.* TBW (Terabyte Written): "Terabytes Written" is the total amount of data that can be written into an SSD before it is likely to fail.* 1GB = 1 billion bytes. Actual useable capacity may vary.* 5 years or 1800TBW, whichever comes first.* TBW is evaluated by JEDEC workload standard. |
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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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