AORUS NVMe Gen4 SSD 500GB

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GP-ASM2NE6500GTTD

Interface	PCI-Express 4.0x4, NVMe 1.3
Form Factor	M.2 2280
Total Capacity	500GB
Warranty	Limited 5-years or 850TBW
NAND	3D TLC Toshiba BiCS4
External DDR Cache	DDR4 512MB
Sequential Read speed	Up to 5000 MB/s
Sequential Write speed	Up to 2500 MB/s
Random Read IOPS	up to 400k
Random Write IOPS	up to 550k
Dimension	80.5 x 11.25 x 23.5 mm
Mean time between	1.77 million hours

failure (MTBF)	
Power Consumption (Active)	Average: R : 5.9W; W : 4.5W
Power Consumption (Idle)	13.21mW
Temperature (Operating)	0°C to 70°C
Temperature (Storage)	-40°C to 85°C
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 v.5.1.2 and I0meter 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 850TBW, whichever comes first. * TBW is evaluated by JEDEC workload standard.

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