



AORUS Gen5 12000 SSD

Form Factor: M.2 2280

Interface: PCI-Express 5.0 x4, NVMe 2.0

Sequential Read Speed : up to 12,400 MB/s

Sequential Write Speed : up to 11,800 MB/s

M.2 Thermal Guard XTREME with Nanocarbon coating

Warranty: Limited 5-years

	AORUS Gen5 12000 SSD 2TB	AORUS Gen5 12000 SSD 1TB
Form Factor	M.2 2280	
Interface	PCI-Express 5.0 x4, NVMe 2.0	
Model Name	AG512K2TB	AG512K1TB
NAND	3D TLC NAND Flash	
Total Capacity	2000GB	1000GB
Sequential Read	up to 12,400 MB/s	up to 11,700 MB/s
Sequential Write	up to 11,800 MB/s	up to 9,500 MB/s
Dimensions	SSD without Heatsink: 80 x 22 x 3.5 mm / SSD with Heatsink: 92 x 23.5 x 44.7 mm	
MTBF	1,600,000 hours	
Total Bytes Written (TBW)	1400TB	700TB
Warranty	Limited 5-year warranty. Limited warranty based on 5 years or TBW value, whichever comes first. (*TBW is evaluated by JEDEC workload standard.)	

- *TBW (Terabyte Written): Terabytes Written is the total amount of data that can be written into a SSD before it is likely to fail.
- Performance may vary based on SSD's firmware version and system hardware & configuration. Sequential performance measurements based on CrystalDiskMark and IOMeter 1.1.0.
- Test system configuration: configuration may vary by models, we will choose the latest platform for verification.
- 1GB = 1 billion bytes. Actual useable capacity may vary.
- To keep AORUS Gen5 12000 SSD from overheating, please adopt the motherboard build-in heatsink or Thermal Guard Xtreme heatsink to prevent throttling.

