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XPG MARS 970 PLUS PCIe Gen5 x4 M.2 2280 Solid State Drive

Engineered for laptops and mini-PCs, the MARS 970 PLUS PCIe 5.0 SSD delivers a staggering 11,000/10,000MB/s sequential read/write. Crush latency and unlock peak performance in AI workloads and gaming. With 2TB capacity, new-gen thermal efficiency, and support for the latest Intel/AMD platforms, this is the upgrade you need to win.

Features

- The gaming laptop-ready PCIe 5.0 SSD
- PCIe Gen5 x4 transmission interface
- R/W speed up to 11,000/10,000MB/s
- Capacity up to 2TB
- Thin profile—
  no extra large heatsinks or active cooling required
- Supports latest Intel and AMD platforms
- SLC Caching and Host Memory Buffer
- Pyrite encryption support
- Advanced LDPC ECC Technology

Ordering Information

Capacity	Model Number	EAC Code / UPC Code
2TB	SMAR-970PL-2TCS	4711658154354
		842243037166
1TB	SMAR-970PL-1TCS	4711658154347
		842243037159



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Specifications

- Capacities: 2TB / 1TB
- NAND Flash: 3D NAND
- Interface: PCIe Gen5 x4
- Form Factor: M.2 2280
- Sequential read/write (Max.):
  Up to 11,000/10,000MB/s
- Operating Temperature: 0°C~70°C
- Storage Temperature: -40°C~85°C
- Shock Resistance: 1500G/0.5ms
- Weight:
  10g / 0.35oz (with heatsink)
  6g / 0.21oz (without heatsink)
- Dimensions (L x W x T):
  80 x 22 x 3.9mm (with heatsink)
  80 x 22 x 2.6mm (without heatsink)
- Terabytes Written (TBW)(Max. capacity): 1,200TB
- MTBF: 2,000,000 hours
- Warranty: 5-year limited
- Certifications: CE, FCC, BSMI, KC, Morocco, EAC, RCM, RoHS

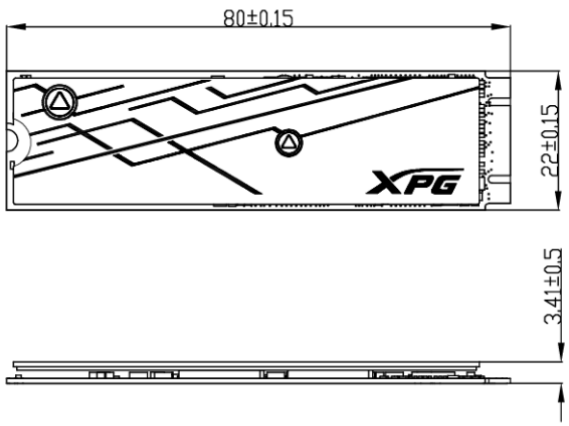
Performance

Capacity	Sequential Performance (Up to)		TBW
	Read (MB/s)	Write (MB/s)	
2TB	11,000	10,000	1,200TB
1TB	10,500	9,500	600TB

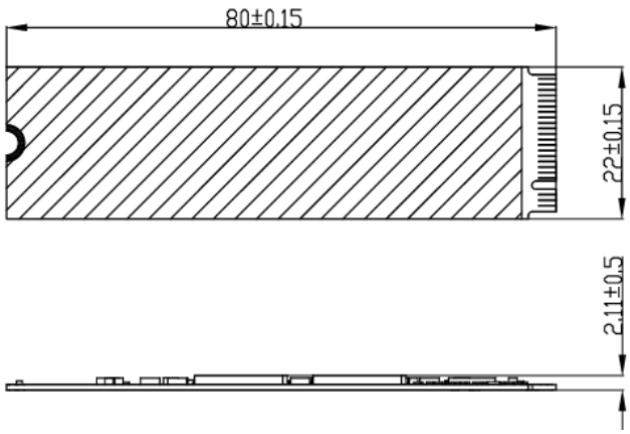
[1] Platform Information: M/B: ASUS ROG CROSSHAIR X670E HERO, CPU: AMD Ryzen 9 7950X3D 16-Core Processor 4.2GHz, BIOS Ver: 2604 x64, DRAM: DDR5 16GB*2 4800MHz, OS Ver: Windows 11 / 24H2
[2] Speed test by Crystal Disk Mark 8.0.4 x64
[3] The value is the minimum amount of terabyte written that could be reached.
[4] Performance may vary based on SSD capacity, hardware test platform, test software, operating system and other system variables

Schematics

<With heatsink>



<Without heatsink>



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