



XPG MARS 980 BLADE PCIe Gen5 x4 M.2 2280 Solid State Drive

MARS 980 BLADE is the gaming PCIe 5.0 Gen5 SSD for laptops, delivering up to 14,000/13,000MB/s speeds and 4TB capacity. Engineered for long-lasting, stable performance, AI workloads, PS5 expansion, and the latest Intel and AMD platforms.

Features

- The gaming laptop-ready PCIe 5.0 SSD
- PCIe Gen5 x4 transmission interface
- R/W speed up to 14,000/13,000MB/s for PC/laptop
- Powered by TSMC 6nm process
 - runs cool without extra cooling hardware
- Work with PS5
- Read speed up to 6,500MB/s for PS5
- Capacity up to 4TB
- SLC Caching and DRAM Cache Buffer
- Pyrite encryption support
- Advanced LDPC ECC Technology

Ordering Information

Capacity	Model Number	EAC Code / UPC Code		
4TD	CMAD OOOD ATCC	4711658150844		
4TB	SMAR-980B-4TCS	842243035674		
2ТВ	CMAD OOOD STCC	4711658150837		
	SMAR-980B-2TCS	842243035667		
1TB	SMAR-980B-1TCS	4711658150820		
		842243035650		











Specifications

• Capacities: 4TB / 2TB / 1TB

NAND Flash: 3D NANDController: SMI SM2508Interface: PCIe Gen5 x4

• Form Factor: M.2 2280

• Sequential read/write (Max.):

Up to 14,000/13,000MB/s (PC/laptop) Read speed up to 6,500MB/s (PS5)

• Operating Temperature: 0°C~70°C

• Storage Temperature: -40°C~85°C

• Shock Resistance: 1500G/0.5ms

• Weight:

12g / 0.42oz (with heatsink)

8g / 0.28oz (without heatsink)

• Dimensions (L x W x T):

80 x 22 x 4.5mm (with heatsink)

80 x 22 x 3.2mm (without heatsink)

• Terabytes Written (TBW)(Max. capacity): 2,960TB

• MTBF: 2,000,000 hours

• Warranty: 5-year limited

• Certifications: CE, FCC, BSMI, KC, Morocco, EAC, RCM,

UKCA, RoHS

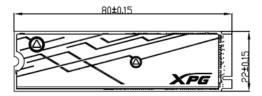
Performance

Capacity	Sequential Performance (Up to)		4K Random (Up to)		PS5 (Up to)	
	Read (MB/s)	Write (MB/s)	Read (IOPS)	Write (IOPS)	Seq. Read (MB/s)	TBW
4TB	14,000	13,000	1,950K	1,650K	6,500	2,960TB
2ТВ	14,000	13,000	2,000K	1,650K	6,500	1,480TB
1TB	14,000	10,000	1,600K	1,650K	6,100	740TB

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

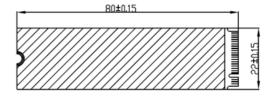
Schematics

<With heatsink>





<Without heatsink>

















²Speed 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