



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

MARS 980 PRO Gen5 SSD features aluminum heatsinks and a turbo fan for active cooling, auto-activated via M.2 slot. With 14,000/13,000MB/s speeds, 4TB capacity, and strong AI computing support, it also expands storage for PS5 consoles, it's compatible with the latest Intel and AMD platforms—built for next-gen speed and stability.

Features

- PCIe Gen5 x4 transmission interface
- R/W speed up to 14,000/13,000MB/s for PC/laptop
- Aluminum alloy and trubo fan form an active air
 - Cooling system
- Compared with a fanless heatsink,
 temperatures significantly reduced by 20%
- Active cooling is powered directly from the M.2 slot,
 no additional charging cable needed
- 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
- Supports latest Intel and AMD platforms

Ordering Information

Capacity Model Number		EAC Code / UPC Code		
4ТВ	CMAD OOOD ATCI	4711085949448		
	SMAR-980P-4TCI	842243034738		
2ТВ	CMAD OOOD STCI	4711085949431		
	SMAR-980P-2TCI	842243034721		
1ТВ	SMAR-980P-1TCI	4711085949424		
		842243034714		









Specifications

• Capacities: 4TB / 2TB / 1TB

NAND Flash: 3D NANDController: SMI SM2508

Interface: PCIe Gen5 x4Form 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

• Weight:

30.3g / 1.07oz (with heatsink)

• Dimensions (L x W x T):

80.5 x 24.2 x 11.2mm (with heatsink)

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

• Shock Resistance: 1500G/0.5ms

• MTBF: 2,000,000 hours

• Warranty: 5-year limited

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

UKCA, RoHS

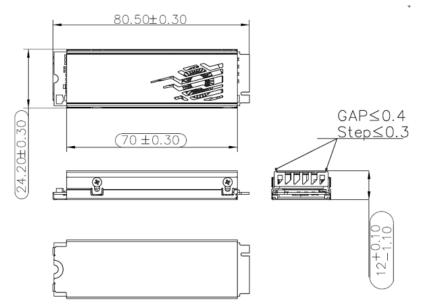
Performance

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>













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