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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, 8TB 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
- Capacity up to 8TB
- 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
8TB	SMAR-980P-8TCI	4711658155870
		842243038231
4TB	SMAR-980P-4TCI	4711085949448
		842243034738
2TB	SMAR-980P-2TCI	4711085949431
		842243034721
1TB	SMAR-980P-1TCI	4711085949424
		842243034714



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Specifications

- Capacities: 8TB / 4TB / 2TB / 1TB
- NAND Flash: 3D NAND
- Controller: SMI SM2508
- Interface: PCIe Gen5 x4
- Form Factor: M.2 2280
- Sequential read/write (Max.):
  Up to 14,000/13,000MB/s (PC/laptop)
- 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): 5,920TB
- Shock Resistance: 1500G/0.5ms
- MTBF: 2,000,000 hours
- Warranty: 5-year limited
- Certifications: CE, FCC, BSMI, KC, Morocco, EAC, RCM, UKCA, RoHS

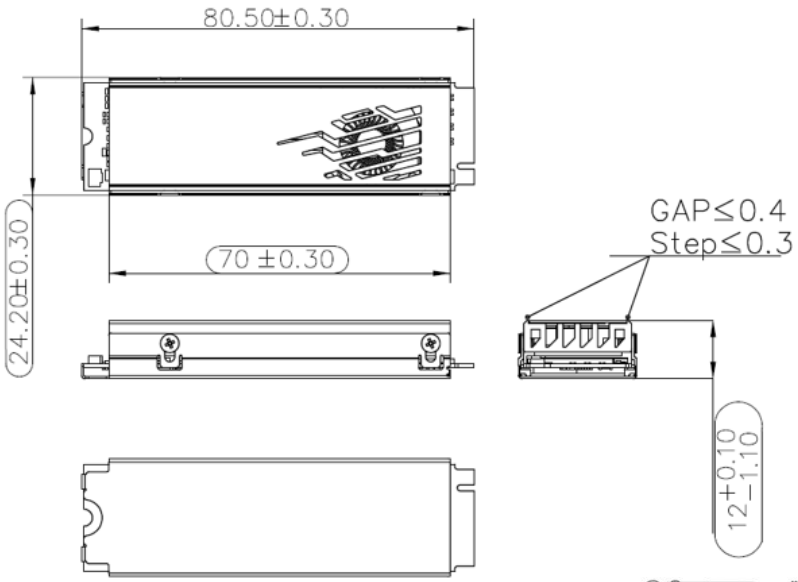
Performance

Capacity	Sequential Performance (Up to)		4K Random (Up to)		TBW
	Read (MB/s)	Write (MB/s)	Read (IOPS)	Write (IOPS)	
8TB	1,2000	1,2000	1,850K	1,800K	5,920TB
4TB	14,000	13,000	1,950K	1,650K	2,960TB
2TB	14,000	13,000	2,000K	1,650K	1,480TB
1TB	14,000	10,000	1,600K	1,650K	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
[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>



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WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov
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