

ATOM 50 PCIe Gen4 x4 M.2 2280

PLAY LIKE A CHAMP



XPG ATOM 50 PCIe Gen4 x4 M.2 2280 Solid State Drive

Enjoy smoother PC performance with the XPG ATOM 50. Get ahead with sustained read/write speeds of up to 5,000/4,500 MB per second on the latest Intel or AMD platforms.

Features

- R/W speed up to 5,000/4,500MB/s for PC/laptop
- Work with PS5
- Read speed up to 5,000MB/s for PS5
- Ultra-fast PCIe Gen4 x4 interface
- Compliant with NVMe 1.4
- Capacity up to 2TB
- SLC Caching and Host Memory Buffer(HMB)
- Advanced LDPC ECC Technology
- AES 256-bit encryption support
- Compact M.2 2280 form factor – ideal for gaming and high-end desktops

Ordering Information

Capacity	Model Number	UPC Code
512GB	AATO-50-512GCI	842243026351
1TB	AATO-50-1TCI	842243025965
2TB	AATO-50-2TCI	842243025972



Specifications

- Capacities: 512GB / 1TB / 2TB
- NAND Flash: 3D NAND
- Interface: PCIe Gen4 x4
- Form Factor: M.2 2280
- Sequential read/write (Max.):
Up to 5,000/4,500MB/s (PC/laptop)
Read speed up to 5,000MB/s (PS5)
- 4K random read/write IOPS (Max.): 650K/600K
- Dimensions (L x W x T): 80 x 22 x 3.13mm
- Weight: 9g / 0.32oz
- Operating Temperature: 0°C~70°C
- Storage Temperature: -40°C~85°C
- Shock Resistance: 1500G/0.5ms
- Terabytes Written (TBW)(Max. capacity): 1,500TB
- MTBF: 2,000,000 hours
- Warranty: 5-year limited
- Certifications: CE, FCC, BSMI, Morocco, EAC, RCM, UKCA, RoHS

Performance

Capacity	Sequential Performance (Up to) ¹		4K Random ²		PS5 (Up to)	TBW ³
	Read (MB/s)	Write (MB/s)	Read (IOPS)	Write (IOPS)	Seq. Read (MB/s)	
512GB	5,000	3,000	520K	450K	4,500	325TB
1TB	5,000	4,500	650K	600K	5,000	650TB
2TB	5,000	4,500	400K	550K	4,600	1,500TB

*M/B: MSI X570 GAMING PLUS, CPU: AMD Ryzen 7 3700X 8-Core Processor @ 3.60GHZ

*Performance may vary based on SSD capacity, hardware test platform, test software, operating system and other system variables

**The value is the minimum amount of terabyte written that could be reached.

Schematics

