



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 | | |
| 2ТВ | 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,

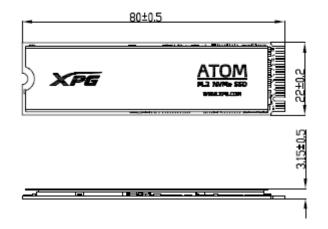
UKCA, RoHS

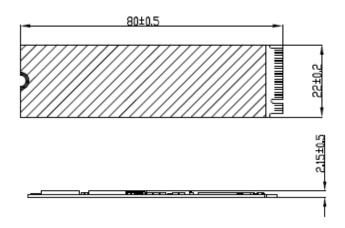
Performance

| Capacity | Sequential Performance (Up to) ¹ | | 4K Random ² | | PS5 (Up to) | |
|----------|---|--------------|------------------------|--------------|------------------|------------------|
| | Read (MB/s) | Write (MB/s) | Read (IOPS) | Write (IOPS) | Seq. Read (MB/s) | TBW ³ |
| 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

Schematics





CAN ICES-3 (B)/NMB-3(B)

| UK | REP | APEX CE SPECIALISTS LIMITED Address: 89 Princess Street, Manchester, M1 4HT, UK E-mail: adata_europe@adata.com | | |
|----|-----|---|--|--|
| EU | REP | ADATA Technology B.V. Address: Transpolispark, Siriusdreef 17-27, 2132 WT, Hoofddorp, The Netherlands E-mail: adata_europe@adata.com | | |











^{*}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.