

XPG GAMMIX S50 PCIe Gen4x4  
Solid State Drive

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## XPG GAMMIX S50 PCIe Gen4x4 M.2 2280 Solid State Drive

Utilizing PCIe Gen4x4 and implementing the NVMe 1.3 standard, the GAMMIX S50 solid state drive delivers blazing-fast read/write performance of 5000/4400MB per second. What's more, it features an aluminum heat sink for excellent heat dissipation, 3D Flash memory with up to 2TB capacity, SLC caching, a DRAM cache buffer, End-to-End Data Protection, and low-density parity-check (LDPC) error correcting code technology.

### Features

- Leap into the Future with PCIe 4.0
- R/W speed up to 5000/4400MB/s
- NVMe 1.3 support
- Advanced LDPC ECC Technology
- SLC Caching and DRAM cache buffer
- AES 256-bit encryption support
- Compact M.2 2280 form factor – ideal for gaming and high-end desktops

### Ordering Information

| Capacity | Model Number     | EAN Code      |
|----------|------------------|---------------|
| 1TB      | AGAMMIXS50-1TT-C | 4710273773582 |
| 2TB      | AGAMMIXS50-2TT-C | 4710273773599 |



## Specifications

- Capacities: 1TB / 2TB
- NAND Flash: 3D TLC
- Interface: PCIe Gen4x4
- Form Factor: M.2 2280
- MTBF: 1,700,000 hours
- Dimensions (L x W x T): 22 x 80 x 6.1mm
- Weight: 12g / 0.42oz
- Power Consumption: 0.8W Active (Typical), 0.05W Slumber (Typical) (\*measured by power meter)
- Operating Temperature: 0°C~70°C
- Storage Temperature: -40°C~85°C
- Shock Resistance: 1500G/0.5ms
- Certifications: RoHS, CE, FCC, BSMI, RCM, KC, Morocco
- Warranty: 5-year limited warranty

## Performance

| Capacity | ATTO Seq. Read (MB/sec) | ATTO Seq. Write (MB/sec) | CDM (QD32-T1) Seq. Read (MB/sec) | CDM (QD32-T1) Seq. Write (MB/sec) | AS SSD Seq. Read (MB/sec) | AS SSD Seq. Write (MB/sec) | 4K Random Read IOPS | 4K Random Write IOPS | TBW    |
|----------|-------------------------|--------------------------|----------------------------------|-----------------------------------|---------------------------|----------------------------|---------------------|----------------------|--------|
| 1TB      | 4700                    | 4200                     | 5000                             | 4400                              | 4100                      | 3700                       | 750K                | 750K                 | 1800TB |
| 2TB      | 4700                    | 4300                     | 5000                             | 4400                              | 4100                      | 3900                       | 750K                | 750K                 | 3600TB |

\*Test system configuration: Intel Gen3 Z270 + PLDA Gen4 switch

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

## Schematics

