

XPG GAMMIX S50 PCIe Gen4x4
Solid State Drive

THE FUTURE
OF PCIE IS HERE



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	ATTO	CDM	CDM	AS SSD	AS SSD	4K	4K	TBW
	Seq. Read (MB/sec)	Seq. Write (MB/sec)	(QD32-T1) Seq. Read (MB/sec)	(QD32-T1) Seq. Write (MB/sec)	Seq. Read (MB/sec)	Seq. Write (MB/sec)	Random Read IOPS	Random Write IOPS	
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

