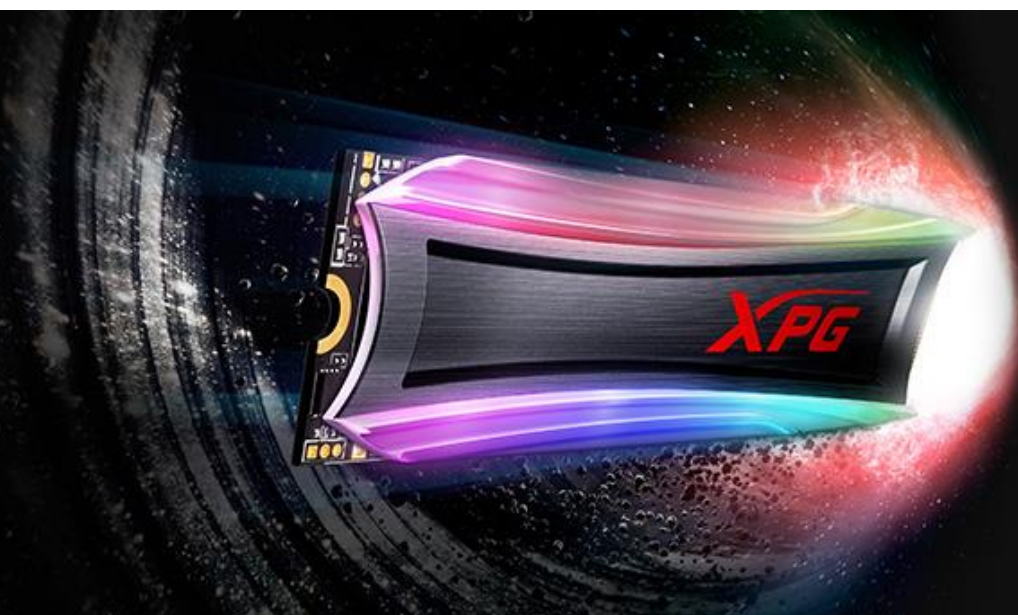


SPECTRIX S40G RGB PCIe Gen3x4
M.2 2280 Solid State Drive

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FULL GLORY



XPG SPECTRIX S40G RGB PCIe Gen3x4 M.2 2280 Solid State Drive

With sustained read/write speeds of up to 3500/3000MB per second, customizable RGB lighting, and a slew of performance enhancing features, the XPG SPECTRIX S40G is a no brainer for those seeking amazing performance and exceptional reliability.

Features

- Ultra-fast PCIe Gen3x4 interface:
R/W speed up to 3500/3000MB/s
- NVMe 1.3 support
- 3D NAND Flash for higher capacity and durability
- Customizable RGB lighting
- 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 |
|--------------|---------------|---------------|
| 256GB | AS40G-256GT-C | 4710273771106 |
| 512GB | AS40G-512GT-C | 4710273771113 |
| 1TB | AS40G-1TT-C | 4710273771120 |
| 2TB | AS40G-2TT-C | 4710273773575 |



Specifications

- Capacities: 256GB / 512GB / 1TB / 2TB
- NAND Flash: 3D NAND
- Interface: PCIe Gen3x4
- Form Factor: M.2 2280
- MTBF: 2,000,000 hours
- Dimensions (L x W x T): 80 x 22 x 8mm
- Weight: 13.4g / 0.47oz
- Power Consumption: 0.33W Active (Typical), 0.14W 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, VCCI, KC
- Warranty: 5 years

Performance

| Capacity | ATTO Seq. Read (MB/sec) | ATTO Seq. Write (MB/sec) | CDM (QD64-T1) Seq. Read (MB/sec) | CDM (QD64-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 |
|----------|-------------------------|--------------------------|----------------------------------|-----------------------------------|---------------------------|----------------------------|---------------------|----------------------|--------|
| 256GB | 3500 | 1200 | 3500 | 1200 | 2800 | 1130 | 210K | 230K | 160TB |
| 512GB | 3500 | 1900 | 3500 | 2400 | 2950 | 1600 | 300K | 240K | 320TB |
| 1TB | 3500 | 1900 | 3500 | 3000 | 2950 | 1600 | 290K | 240K | 640TB |
| 2TB | 3500 | 1900 | 3500 | 3000 | 2950 | 1600 | 290K | 240K | 1280TB |

*Test system configuration: M/B : ASUS Prime X299-Deluxe II, CPU : Intel® Core™ i9-9820X, CDM ver. : 5.1.2 x64

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

Schematics

