

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

SHINE IN
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 TLC
- Interface: PCIe Gen3x4
- Form Factor: M.2 2280
- MTBF: 2,000,000 hours
- Dimensions (L x W x T): 22 x 80 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

