

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
<b>256GB</b>	AS40G-256GT-C	4710273771106
<b>512GB</b>	AS40G-512GT-C	4710273771113
<b>1TB</b>	AS40G-1TT-C	4710273771120
<b>2TB</b>	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
<b>256GB</b>	3500	1200	3500	1200	2800	1130	210K	230K	160TB
<b>512GB</b>	3500	1900	3500	2400	2950	1600	300K	240K	320TB
<b>1TB</b>	3500	1900	3500	3000	2950	1600	290K	240K	640TB
<b>2TB</b>	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

