

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

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

With sustained read/write speeds of up to 3,500/3,000MB 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 3,500/3,000MB/s
- NVMe 1.3 support
- Capacity up to 1TB
- Customizable RGB lighting
- 3D NAND Flash for higher capacity and durability
- SLC Caching and DRAM cache buffer
- AES 256-bit encryption support
- Advanced LDPC ECC Technology
- Compact M.2 2280 form factor – ideal for gaming and high-end desktops

### Ordering Information

Capacity	Model Number	EAN Code
<b>512GB</b>	AS40G-512GT-C	4710273771113
<b>1TB</b>	AS40G-1TT-C	4710273771120



## Specifications

- Capacities: 512GB / 1TB
- NAND Flash: 3D NAND
- Interface: PCIe Gen3x4
- Form Factor: M.2 2280
- Controller: RTS5762A
- 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, KCC, EAC, RCM, Morocco, UKCA
- Warranty: 5-year limited

## Performance

Capacity	Sequential Performance (Up to) <sup>1</sup>		4K Random (Up to) <sup>2</sup>		TBW <sup>3</sup>
	Read (MB/s)	Write (MB/s)	Read (IOPS)	Write (IOPS)	
512GB	3,500	2,400	300K	240K	320TB
1TB	3,500	3,000	290K	240K	640TB

<sup>1</sup>Test system configuration: M/B : ASUS Prime X299-Deluxe II, CPU : Intel® Core™ i9-9820X, CDM ver. : 5.1.2 x64

<sup>2</sup>Performance may vary based on SSD capacity, hardware test platform, test software, operating system and other system variables

<sup>3</sup>The value is the minimum amount of terabyte written that could be reached.

## Schematics

