



### 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 |  |  |





## **Specifications**

• Capacities: 256GB / 512GB / 1TB

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°CStorage Temperature: -40°C~85°C

• Shock Resistance: 1500G/0.5ms

• Certifications: RoHS, CE, FCC, BSMI, VCCI, KC

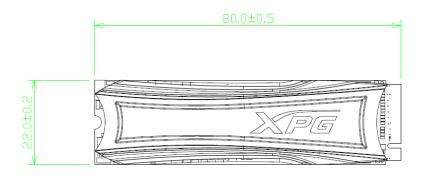
• Warranty: 5 years

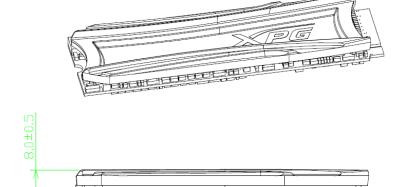
#### **Performance**

| Capacity | ATTO     | ATTO     | CDM       | CDM        | AS SSD   | AS SSD   | 4K     | 4K     |       |
|----------|----------|----------|-----------|------------|----------|----------|--------|--------|-------|
|          | Seq.     | Seq.     | (QD64-T1) | (QD64-T1)  | Seq.     | Seq.     | Random | Random | TBW   |
|          | Read     | Write    | Seq. Read | Seq. Write | Read     | Write    | Read   | Write  |       |
|          | (MB/sec) | (MB/sec) | (MB/sec)  | (MB/sec)   | (MB/sec) | (MB/sec) | IOPS   | IOPS   |       |
| 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 |

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

## **Schematics**





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