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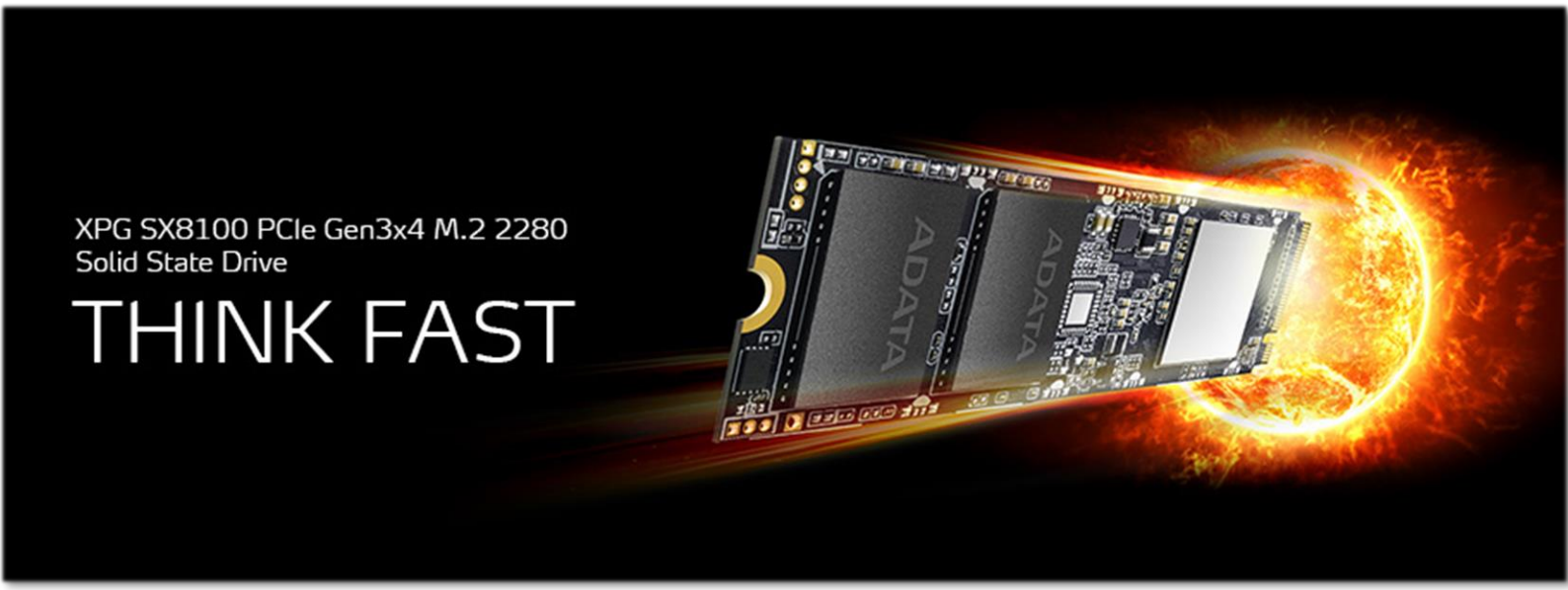

XPG SX8100 PCIe Gen3x4 M.2 2280 Solid State Drive

Utilizing PCIe Gen3x4, 3D NAND Flash, and featuring 3500/3000MB/s read and write, the SX8100 M.2 2280 SSD gives DIY enthusiasts, overclockers and graphics professionals the performance they need.

Features

- Ultra-fast PCIe Gen3x4 interface
- R/W speed up to 3500/3000MB/s
- NVMe 1.3 support
- Capacity up to 4TB
- 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
- 3D NAND Flash for higher capacity and durability

Ordering Information

Capacity	Model Number	EAN Code
256GB	ASX8100NP-256GT-C	4710273773681
512GB	ASX8100NP-512GT-C	4710273773698
1TB	ASX8100NP-1TT-C	4710273773704
2TB	ASX8100NP-2TT-C	4710273773711
4TB	ASX8100NP-4TT-C	4710273776002

Specifications

- Capacities: 256GB / 512GB / 1TB / 2TB / 4TB
- 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 3.5mm
- Weight: 8g / 0.28oz
- 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, RCM, KC, Morocco
- Warranty: 5-year limited warranty

Performance

Capacity	ATTO Seq. Read (MB/sec)	ATTO Seq. Write (MB/sec)	CDM (QD32-T1) Seq. Read (MB/sec)	CDM (QD32-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	1000	2800	1100	160K	140K	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
4TB	3500	1900	3500	3000	2950	1600	290K	240K	2560TB

* 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