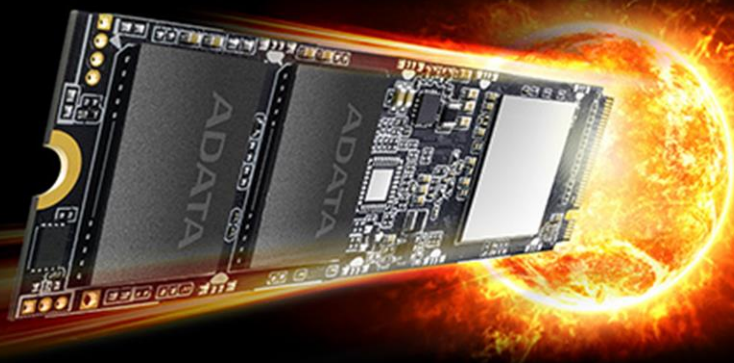XPG SX8100 PCIe Gen3x4 M.2 2280
Solid State Drive

THINK FAST

XPG SX8100 PCIe Gen3x4 M.2 2280 Solid State Drive

Utilizing PCIe Gen3x4, 3D NAND Flash, and featuring 3,500/3,000MB/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 3,500/3,000MB/s
- NVMe 1.3 support
- Capacity up to 1TB
- SLC Caching and DRAM cache buffer
- 3D NAND Flash for higher capacity and durability
- Advanced LDPC ECC Technology
- 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	ASX8100NP-256GT-C	4710273773681
512GB	ASX8100NP-512GT-C	4710273773698
1TB	ASX8100NP-1TT-C	4710273773704

Specifications

- Capacities: 256GB / 512GB / 1TB
- NAND Flash: 3D NAND
- Interface: PCIe Gen3x4
- Form Factor: M.2 2280
- Controller: RTS5762
- Sequential read/write (Max.):
  Up to 3,500/3,000MB/s (PC/laptop)
- 4K random read/write IOPS (Max.): 300K/240K
- Terabytes Written (TBW)(Max. capacity): 640TB

- Dimensions (L x W x T): 80 x 22 x 3.5mm
- Weight: 8g / 0.28oz
- Operating Temperature: 0°C~70°C
- Storage Temperature: -40°C~85°C
- Shock Resistance: 1500G/0.5ms
- MTBF: 2,000,000 hours
- Certifications: RoHS, CE, FCC, BSMI, RCM, KC, Morocco, EAC, UKCA
- Warranty: 5-year limited warranty

Performance

Capacity	Sequential Performance (Up to)[1]		4K Random (Up to)[2]		TBW[3]
	Read (MB/s)	Write (MB/s)	Read (IOPS)	Write (IOPS)	
256GB	3,500	1,500	160K	140K	160TB
512GB	3,500	2,400	300K	240K	320TB
1TB	3,500	3,000	290K	240K	640TB

[1]Test system configuration: M/B : ASUS Prime X299-Deluxe II, CPU : Intel® Core™ i9-9820X, CDM ver. : 5.1.2 x64
[2]Performance may vary based on SSD capacity, hardware test platform, test software, operating system and other system variables
[3]The value is the minimum amount of terabyte written that could be reached.

Schematics