

XPG SX8200 PCIe Gen3x4 M.2 2280 Solid State Drive

**EXTREME
PERFORMANCE
BOOSTER**

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The SX8200 M.2 2280 SSD is our fastest SSD to date, designed for PC enthusiasts, dedicated gamers, and overclockers. It features an ultra-fast PCIe Gen3x4 interface, offering sustained peak R/W speeds of 3200/1700MB per second, outpacing SATA 6Gb/s by a huge margin. NVMe 1.3 qualified, the SX8200 delivers superior random read/write performance and multi-tasking capabilities. With SLC Caching, DRAM Cache Buffer, and LDPC ECC technologies, it maintains high speeds and data integrity during even the most intense gaming, rendering, overclocking, and other high demand applications.

Features

- Ultra-fast PCIe Gen3x4 interface:
R/W speed up to 3200/1700MB/s
- NVMe 1.3 certified
- 2ND generation 64-layer 3D NAND Flash
- Advanced LDPC ECC Technology
- SLC Caching and DRAM cache buffer
- RAID Engine and Data Shaping
- Compact M.2 2280 form factor – ideal for gaming notebooks and high-end desktops

Ordering Information

Capacity	Model Number	EAN Code
240GB	ASX8200NP-240GT-C	4713218463678
480GB	ASX8200NP-480GT-C	4713218463685
960GB	ASX8200NP-960GT-C	4713218463692
1.92TB	ASX8200NP-1T92T-C	4713218466600

Specifications

- Capacities: 240GB / 480GB / 960GB / 1.92TB
- Controller: SMI
- NAND Flash: 2nd Generation 64-layer 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 3.5mm
- Weight: 8g
- 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
- LDPC ECC Engine
- Certifications: RoHS, CE, FCC, BSMI, VCCI, KC
- Warranty: 5 years

Performance

Capacity	ATTO Seq. Read (MB/sec)	ATTO Seq. Write (MB/sec)	CDM (QD32) Seq. Read (MB/sec)	CDM (QD32) 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
240GB	3050	1200	3200	1100	2500	1150	200K	240K	160TB
480GB	3050	1700	3200	1700	2500	1600	310K	280K	320TB
960GB	3000	1700	3150	1700	2500	1600	310K	280K	640TB
1.92TB	3000	1600	3150	1600	2500	1600	310K	280K	1280TB

*Performance may vary based on SSD capacity, hardware test platform, test software, operating system and other system variables

Schematics

