XPG SX8000 PCIe Gen3x4 M.2 2280 Solid State Drive

The first M.2 2280 SSD from XPG, the SX8000 delivers massive speed for gaming notebooks and high-end desktops. Utilizing the super-fast PCIe Gen3x4 interface, the SX8000 reaches extremely high speeds of up to 2400/1000MB per second (read/write), outperforming SATA 6Gb/s by a huge margin - several times over, in fact! NVMe 1.2 qualified, the SX8000 delivers superior random read/write performance and multi-tasking capabilities. It implements 3D NAND Flash, which provides higher storage density and reliability compared to 2D NAND. With support for SLC Caching, DRAM Cache Buffer and LDPC ECC technologies, the SX8000 maintains optimized performance and data integrity during even the most intense gaming, rendering, overclocking, or other high-demand applications.

SUPERCHARGE INTO NEW SSD FRONTIERS
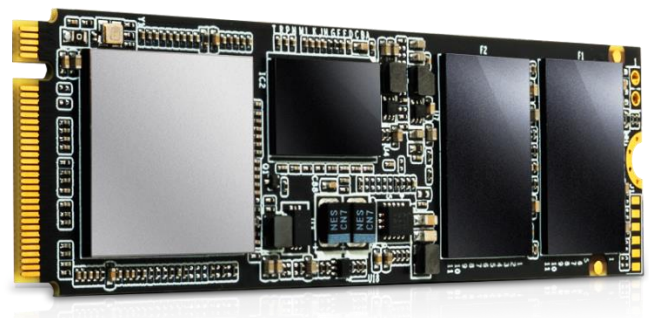XPG SX8000 PCIE GEN3X4 M.2 2280 SOLID STATE DRIVE

Features

- Ultra-fast PCIe Gen3x4 interface:
  R/W speed up to 2400/1000MB/s
- NVMe 1.2 certified
- 3D MLC NAND Flash
- Advanced LDPC ECC technology
- Intelligent 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
128GB	ASX8000NP-128GM-C	4712366967281
256GB	ASX8000NP-256GM-C	4712366967298
512GB	ASX8000NP-512GM-C	4712366967304

Specifications

- Capacities: 128GB / 256GB / 512GB
- Controller: SMI 2260
- NAND Flash: 3D MLC
- 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
- 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
128GB	1000	300	1000	300	900	280	45K	75K
256GB	1900	600	2000	600	1400	580	80K	130K
512GB	2000	1000	2400	1000	1400	980	100K	140K

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

Schematics