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XPG SX6000 Pro PCIe Gen3x4 M.2 2280 Solid State Drive

Boot, load, and transfer faster with the XPG SX6000 Pro PCIe Gen3x4 M.2 2280 solid state drive (SSD). With support for NVMe 1.3 and equipped with 3D NAND Flash, it offers up to 4 times faster performance than SATA SSDs and up to 2TB of capacity. What's more, the SX6000 Pro is slimmer than standard M.2 2280 SSDs for a higher level of compatibility thanks to its single-sided design.

Features

- Ultra-fast PCIe Gen3x4 interface: R/W speed up to 2100/1500MB/s
- NVMe 1.3 support
- 3D NAND Flash for higher capacity and durability
- Advanced LDPC ECC Technology
- HMB (Host Memory Buffer) and SLC Caching
- Single-sided design – 2.15mm thick
- Compact M.2 2280 form factor – ideal for gaming notebooks and high-end desktops

Ordering Information

Capacity	Model Number	EAN Code
256GB	ASX6000PNP-256GT-C	4713218469328
512GB	ASX6000PNP-512GT-C	4713218469335
1TB	ASX6000PNP-1TT-C	4713218469342
2TB	ASX6000PNP-2TT-C	4710273778068

Specifications

- Capacities: 256GB / 512GB / 1TB / 2TB
- Controller: Realtek
- 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 2.15mm
- 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-year limited

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
256GB	2100	1200	2100	1200	1800	1200	190K	180K	150TB
512GB	2100	1400	2100	1500	1800	1300	250K	240K	300TB
1TB	2100	1400	2100	1500	1800	1300	250K	240K	600TB
2TB	2100	1400	2100	1500	1800	1300	250K	240K	1200TB

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

Schematics