

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

**SLIMMER & FOUR
TIMES AS FAST**



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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 1TB 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
- 2ND generation 64-layer 3D NAND Flash
- 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

Specifications

- Capacities: 256GB / 512GB / 1TB
- Controller: Realtek
- 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 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 years

Performance

Capacity	ATTO	ATTO	CDM	CDM	AS SSD	AS SSD	4K	4K	TBW
	Seq. Read (MB/sec)	Seq. Write (MB/sec)	(QD32) Seq. Read (MB/sec)	(QD32) Seq. Write (MB/sec)	Seq. Read (MB/sec)	Seq. Write (MB/sec)	Random Read IOPS	Random Write IOPS	
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

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

Schematics

