

XPG SX6000 PCIe Gen3x2
M.2 2280 Solid State Drive

Finally,
more speed
for the same
spend!



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The XPG SX6000 combines superior speed and a better cost-performance ratio in a compact M.2 2280 form factor. It's great for gamers, PC enthusiasts, and video rendering professionals and perfect for anyone feeling the need for speed and thus an upgrade from traditional SATA SSDs. Utilizing a PCIe Gen3x2 interface, the SX6000 reaches read/write speeds of 1000/800MB per second for faster boot, game downloads, and data transfers. NVMe 1.2 qualified, the SX6000 delivers superior random read/write performance and multi-tasking capabilities. It implements 3D NAND Flash, which provides storage density up to 1TB and improved reliability compared to 2D NAND. With support for SLC Caching and DRAM Cache Buffer, the SX6000 maintains optimized performance and data integrity during even intense gaming, rendering, or other high demand applications.

Features

- High speed PCIe Gen3x2 interface:
R/W speed up to 1000/800MB/s
- NVMe 1.2 certified
- Intelligent SLC Caching and DRAM Cache Buffer
- Includes a DIY heatsink inside the package
- Compact M.2 2280 form factor – ideal for gaming notebooks and high-end desktops

Ordering Information

Capacity	Model Number	EAN Code
128GB	ASX6000NP-128GT-C	4713218461407
256GB	ASX6000NP-256GT-C	4713218461414
512GB	ASX6000NP-512GT-C	4713218461421
1TB	ASX6000NP-1TT-C	4713218463050

Specifications

- Capacities: 128GB / 256GB / 512GB / 1TB
- Controller: Realtek
- NAND Flash: 3D TLC
- Interface: PCIe Gen3x2
- 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 Idle (Typical) (*measured by power meter)
- Operating Temperature: 0°C~70°C,
- Storage Temperature: -40°C~85°C
- Shock Resistance: 1500G/0.5ms
- 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
128GB	730	660	720	640	670	450	65K	110K	75TB
256GB	1000	800	1000	800	930	650	100K	110K	150TB
512GB	1000	800	1000	800	930	700	100K	110K	300TB
1TB	1000	800	1000	800	930	700	100K	110K	600TB

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

Schematics

