





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 1.4 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 2,100/1,500MB/s
- NVMe 1.4 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	
2ТВ	ASX6000PNP-2TT-C	4710273778068	







Specifications

- Capacities: 256GB / 512GB / 1TB / 2TB
- Controller: RTS5766DL
- NAND Flash: 3D NAND
- Interface: PCIe Gen3x4
- Form Factor: M.2 2280
- Sequential read/write (Max.): Up to 2,100/1,500MB/s (PC/laptop)
- 4K random read/write IOPS (Max.): 250K/240K
- Terabytes Written (TBW)(Max. capacity): 960TB

- Dimensions (L x W x T): 80 x 22 x 2.15mm
- Weight: 8g
- Operating Temperature: 0°C~70°C
- Storage Temperature: -40°C~85°C
- Shock Resistance: 1500G/0.5ms
- MTBF: 2,000,000 hours
- Certifications: RoHS, CE, FCC, BSMI, UKCA, KCC, EAC, Morocco, RCM
- Warranty: 5-year limited

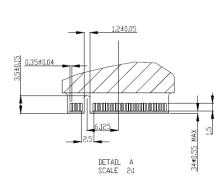
Performance

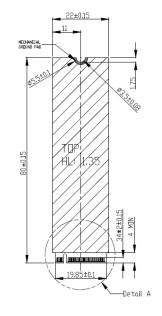
Capacity	Sequential Performance (Up to) ¹		4K Random (Up to) ¹		
	Read (MB/s)	Write (MB/s)	Read (IOPS)	Write (IOPS)	TBW ²
256GB	2,100	1,000	190K	180K	120TB
512GB	2,100	1,500	250K	240K	240TB
1TB	2,100	1,500	250K	240K	480TB
2ТВ	2,100	1,500	250K	240K	960TB

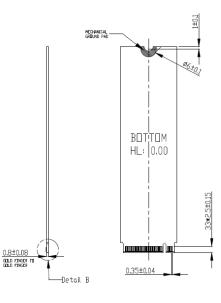
¹Performance may vary based on SSD capacity, hardware test platform, test software, operating system and other system variables

²The value is the minimum amount of terabyte written that could be reached.

Schematics







ADATA Technology Co., Ltd 2F, No.258 Liancheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan T: +886-2-8228-0886 F: +886-2-8228-0887 E: adata@adata.com



A Rep