The spark that drives your games
XPG SX950 Solid State Drive

XPG SX950 3D NAND 2.5-inch Solid State Drive

The SX950 is the first 2.5" SSD from XPG which implements 3D NAND Flash for higher density, optimized performance, and high durability, fully meeting gamer expectations for speed and stability during the most intense action. With up to 1.92TB, users can store bigger games and more titles. With support for intelligent SLC caching and DRAM cache buffer, maximum read/write speeds on the SX950 reach 560/530MB per second. This makes instant boot and faster loading times a reality for gamers. In addition, the SX950 features LDPC ECC and RAID Engine technology, which strengthen data protection and integrity.

Features

- 3D MLC NAND Flash for higher capacity and durability
- 6-year warranty
- Read/Write speed up to 560/530MB/s
- SMI Controller
- Intelligent SLC caching and DRAM cache buffer
- LDPC ECC and RAID Engine
- High TBW up to 1600TB for excellent longevity
- Bundled with a 2.5mm spacer and 3.5" bracket - Suitable for ultrabooks, gaming notebooks and high-end desktops

Ordering Information

Capacity	Model Number	EAN Code
240GB	ASX950SS-240GM-C	4712366963641
480GB	ASX950SS-480GM-C	4712366963658
960GB	ASX950SS-960GM-C	4712366964884
1.92TB	ASX950SS-1.92TM-C	4713218463128

Specifications

- Capacities: 240GB / 480GB / 960GB / 1.92TB
- Controller: SMI
- NAND Flash: 3D MLC
- Interface: SATA 6Gb/s
- Form Factor: 2.5"
- MTBF: 2,000,000 hours
- Dimensions (L x W x T): 100.45 x 69.85 x 7mm
- Weight: 58g

- Power Consumption: 0.82W Active (Typical), 0.41W 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: 6 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
240GB	560	520	560	515	530	490	80K	90K	200TB
480GB	560	530	560	520	530	490	90K	90K	400TB
960GB	560	530	560	520	530	490	90K	85K	800TB
1.92TB	560	525	560	520	520	480	85K	80K	1600TB

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

Schematics