

## 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 960GB, 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 Engine and RAID Engine
- High TBW up to 800TB 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

## Specifications

- Capacities: 240GB / 480GB / 960GB
- 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
<b>240GB</b>	560	520	550	505	530	490	80K	90K	200TB
<b>480GB</b>	560	530	550	510	530	490	90K	90K	400TB
<b>960GB</b>	560	530	550	510	530	490	90K	85K	800TB

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

## Schematics

