



XPG SX850 Solid State Drive

# A faster Choice for Gamers



## XPG SX850 SATA 6Gb/s Solid State Drive

The SX850 SSD implements 3D NAND Flash for improved efficiency and reliability to fulfill the demand by gamers for a speedy but affordable OS drive. With support for intelligent SLC Caching and DRAM Cache Buffer, the maximum sustained read/write speeds of the SX850 reach 560/520MB per second – this enables gamers to boot much faster than with an HDD. The SX850 also features LDPC ECC and RAID Engine technologies, which strengthen data protection and integrity.

### Features

- 3D NAND Flash for high durability and reliability
- SMI Controller
- Advanced LDPC ECC Technology
- Intelligent SLC Caching and DRAM Cache buffer
- RAID Engine and Data Shaping
- Free software: SSD Toolbox and Migration Utility
- Supports S.M.A.R.T, TRIM Command, and NCQ

### Ordering Information

Capacity	Model Number	UPC Code
<b>128GB</b>	SSD-SX850-128G	842243012699
<b>256GB</b>	SSD-SX850-256G	842243013115
<b>512GB</b>	SSD-SX850-512G	842243013122

## Specifications

- Capacities: 128GB / 256GB / 512GB
- Controller: SMI
- NAND Flash: 3D TLC
- Interface: SATA 6Gbp/s
- Form Factor: 2.5"
- MTBF: 2,000,000 hours
- Dimensions (L x W x T): 100.45 x 69.85 x 7mm
- Weight: 47.5g
- 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: 3 years

## Performance

Capacity	ATTO Seq. Read (MB/sec)	ATTO Seq. Write (MB/sec)	Sequential Read Crystal Disk Mark (MB/s)	Sequential Write Crystal Disk Mark (MB/s)
<b>128GB</b>	Up to 560	Up to 300	Up to 550	Up to 300
<b>256GB</b>	Up to 560	Up to 520	Up to 550	Up to 500
<b>512GB</b>	Up to 560	Up to 520	Up to 550	Up to 500

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

## Schematics

