XPG SX850 Solid State Drive
A faster Choice for Gamers

XPG SX850 PCIe Gen3x4 M.2 2280 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
128GB	SSD-SX850-128G	842243012699
256GB	SSD-SX850-256G	842243013115
512GB	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)
128GB	Up to 560	Up to 300	Up to 550	Up to 300
256GB	Up to 560	Up to 520	Up to 550	Up to 500
512GB	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