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

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Model Number</th>
<th>UPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>128GB</td>
<td>SSD-SX850-128G</td>
<td>842243012699</td>
</tr>
<tr>
<td>256GB</td>
<td>SSD-SX850-256G</td>
<td>842243013115</td>
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<tr>
<td>512GB</td>
<td>SSD-SX850-512G</td>
<td>842243013122</td>
</tr>
</tbody>
</table>
**Specifications**

- Capacities: 128GB / 256GB / 512GB
- Controller: SMI
- NAND Flash: 3D TLC
- Interface: SATA 6Gbp/s
- Form Factor: 2.5”
- 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**

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

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

**Schematics**