CS900 SOLID STATE DRIVES

The PNY CS900 2.5-inch SATA-III (6 Gb/s) solid-state drive (SSD) is the mainstream performance line of PNY SSDs. It is an excellent choice for an upgrade from a hard disk drive (HDD). The PNY CS900 was designed to be an easy and cost-effective HDD replacement for your existing PC system, without having to sacrifice performance. Upgrading to the CS900 SSD will help you experience an overall performance boost. Boot up, power down, and load applications in seconds. With no moving parts, the PNY CS900 is highly durable and includes a 3-year limited warranty.*

The PNY CS900 is an excellent choice for energy efficiency and consumes significantly less power than hard drives. Users can benefit from lower power usage, longer battery life, and a cooler, quieter system. Spend more time enjoying your system and less time worrying about battery consumption. The CS900 lineup is available in a range of capacities from 120GB to 1TB.

The PNY CS900 is engineered with the same level of quality and durability that our consumers have enjoyed with the CS1311 SSDs. PNY’s extensive testing and rigorous validation process ensures compatibility across various platforms and multiple operating systems.

APPLICATIONS

• Mainstream SSD for PC upgrade
• Cost effective HDD replacement for better overall performance

FEATURES AND BENEFITS

• Sequential Read of up to 550MB/s and Write of up to 515MB/s
• Faster boot up and quicker application launch
• Better overall system performance
• Reliable storage
• Low power consumption, cool and quiet operation

PRODUCT SPECIFICATIONS

NAND Components 3D Flash Memory
Interface SATA-III (6 Gb/s); Backwards compatible with SATA-II
Form Factor 2.5-inch

PERFORMANCE (MAX SEQUENTIAL READ/WRITE)

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Read (MB/s)</th>
<th>Write (MB/s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>120GB</td>
<td>515</td>
<td>490</td>
</tr>
<tr>
<td>240GB</td>
<td>535</td>
<td>500</td>
</tr>
<tr>
<td>250GB</td>
<td>535</td>
<td>500</td>
</tr>
<tr>
<td>480GB</td>
<td>550</td>
<td>500</td>
</tr>
<tr>
<td>500GB</td>
<td>550</td>
<td>500</td>
</tr>
<tr>
<td>960GB</td>
<td>535</td>
<td>515</td>
</tr>
<tr>
<td>1TB</td>
<td>535</td>
<td>515</td>
</tr>
</tbody>
</table>

POWER

Sata Link Power Management Idle, Partial, Slumber

ENVIRONMENTAL

Power Island Support Power Efficiency Management System

RELIABILITY/SECURITY

Operating Temperature 0°C ~ 70°C
Storage Temperature -40°C ~ 85°C
Certifications BSMI, CE, EMC, FCC, KCC, REACH, RoHS, VCCI

Mean Time Between Failures (MTBF) 2,000,000 Hours
Error Correction Code Up to 120 bits per 2K sector
Secure Erase Standard, Enhanced Secure Erase

COMPATIBILITY

Full End-to-End Data path protection Supported

ADDITIONAL FEATURES

RAID (0/1) Supported
Serial ATA Fully compliant with SATA-IO; Serial ATA Revision 3.0; ATA ATAPI-8 Standard Native Command Queuing (NCQ)

PRODUCT INFORMATION

Performance Optimization TRIM (requires OS support)
Service & Support 3-Year Limited Warranty*
Usable Capacities (IDEMA) 120GB, 240GB, 250GB, 480GB, 500GB, 960GB, 1TB

PNY Part Number

120GB: SSD7CS900-120-RB
240GB: SSD7CS900-240-RB
250GB: SSD7CS900-250-RB
480GB: SSD7CS900-480-RB
500GB: SSD7CS900-500-RB
960GB: SSD7CS900-960-RB
1TB: SSD7CS900-1TB-RB

Box Dimensions 3.94” x .63” x 5.83”

*For warranty details please see www.pny.com.