# PNY®

# CS900

SOLID STATE DRIVE

**Ideal for
PC Upgrade**

The PNY CS900 2.5-inch SATA-III (6 Gb/s) solid-state drive (SSD) is the value performance line of PNY SSDs. It is an excellent choice for an entry-level 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.** In addition, the CS900 now includes the Acronis® True Image HD 2017 data migration software, which allows for a seamless experience when transferring data from an existing drive to a new PNY solid-state drive.

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 120 to 240 GB.

The PNY CS900 is engineered with the same level of quality and durability that our consumers have enjoyed with the CS1311 & CS2211 SSDs. PNY's extensive testing and rigorous validation process ensures compatibility across various platforms and multiple Operating Systems.

## HIGH PERFORMANCE, HIGH VALUE
- Sequential Read of up to 535 MB/s and Write of up to 500 MB/s
- Cost effective HDD replacement for better overall performance

## LOW POWER CONSUMPTION: LONG BATTERY LIFE
- Supports power saving features resulting in extended battery life for mobile applications
- Runs cool and quiet

## APPLICATIONS
- Entry-level SSD for PC upgrade
- Faster boot up and application launch
- Reliable storage

## Available Options

### CS900
**TLC Solid State Drive**

## SPECIFICATIONS

### CS900 TLC Solid State Drive

| | |
|---|---|
| Usable Capacities (IDEMA) | **120 GB, 240 GB** |
| PNY Part Number | **120 GB: SSD7CS900-120-RB**<br>**240 GB: SSD7CS900-240-RB** |
| Box Dimensions | **5.25˝ × 4.65˝ × 1.25˝** |
| NAND Components | **Triple-Level Cell (TLC) NAND Flash Memory** |
| Interface | **SATA-III (6 Gb/s);**<br>**Backwards compatible with SATA-II** |
| Form Factor | **2.5-inch** |
| Dimensions (L × W × H) | **100 × 70 × 7 mm** |
| Weight | **45g** |

| PERFORMANCE | 120 | 240 | Units |
|---|---|---|---|
| Max Sequential Read | **515** | **535** | **MB/s** |
| Max Sequential Write | **490** | **500** | **MB/s** |

### POWER

| | |
|---|---|
| Power Consumption (Avg.) | **2.0W Active, 0.3W Idle;**<br>**Power management features** |
| SATA Link Power Management | **Idle, Partial, Slumber** |
| Power Island Support | **Power Efficiency Management System** |

### ENVIRONMENTAL

| | |
|---|---|
| Operating Temperature | **0°C ~ 70°C** |
| Storage Temperature | **-40°C ~ 85°C** |
| Certifications | **RoHS, CE, FCC, VCCI, BSMI, SATA IO, WEEE** |

### RELIABILITY / SECURITY

| | |
|---|---|
| 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** |
| Product Health Monitoring | **Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T)** |
| Full End-to-End Data path protection | **Supported** |
| RAID (0/1) | **Supported** |

### COMPATABILITY

| | |
|---|---|
| Serial ATA | **Fully compliant with SATA-IO: Serial ATA Revision 3.0. ATA ATAPI-8 Standard Native Command Queuing (NCQ)** |
| Operating Systems | **Windows 10, Windows 8, Windows 7, Windows Vista™, Windows XP™, Linux, Mac OS X, Ubuntu 14** |
| Power Requirements | **Standard SATA Power Connector, 5V, 0.5A (Active)** |

### ADDITIONAL FEATURES

| | |
|---|---|
| Performance Optimization | **TRIM (requires OS support)** |
| Service & Support | **3-Year Limited Warranty ***<br>**Toll free technical support lines** |

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