CS900
Solid State Drive

Performance
Transfer speed faster than a traditional HDD

Enhanced Reliability
Non-volatile NAND up to 30 times more robust than HDDs

Compatibility & Ease of Use
Ideal solution for a hard drive replacement in both MAC and PC systems

CS900 SOLID STATE DRIVES

The PNY CS900 M.2 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 M.2 SATA compatible 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 M.2 lineup is available in a range of capacities from 250GB to 1TB.

The PNY CS900 is engineered with the same level of quality and durability that our consumers have enjoyed for over 35 years. 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 operations

PRODUCT SPECIFICATIONS

NAND Components	3D Flash Memory
Interface	SATA-III (6 Gb/s); Backwards compatible with SATA-II
Form Factor	M.2 2280
PERFORMANCE (MAX SEQUENTIAL READ/WRITE)	
250GB	535 MB/s (Read), 500 MB/s (Write)
500GB	550 MB/s (Read), 500 MB/s (Write)
1TB	535 MB/s (Read), 515 MB/s (Write)
POWER	
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
RELIABILITY/SECURITY	
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
RAID (0/1)	Supported
ADDITIONAL FEATURES	
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)	250GB, 500GB, 1TB
PNY Part Number	250GB: M280CS900-250-RB 500GB: M280CS900-500-RB 1TB: M280CS900-1TB-RB
Box Dimensions	10 x 1,6 x 14,8cm
Dimensions (L x W x H)	22 x 80 x 4 mm (Max)
Weight	6.6g

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