PNY CS900

2.5-inch SATA III

Solid State Drives



UPGRADE YOUR STORAGE

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 or TBW*.

Enhanced Reliability

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

Performance

Transfer speed faster than a traditional HDD

Compatibility

Ideal solution for a hard drive replacement in both MAC™ and PC systems



INCREASE YOUR SPACE

Increase the storage on your SATA III compatible devices by up to 4TB to expand your game library, hold more files, or increase your total capacity[1]



LOW LATENCY

Quick response time for high-performance computing and gaming



COMPATIBILITY

Designed for SATA III compatible devices



3-YEAR LIMITED WARRANTY OR TBW*

Extended protection and peace of mind

KEY FEATURES

- SATA UPGRADE - Upgrade your laptop or desktop computer and feel the difference with super-fast OS boot times and application loads
- SATA III SPEED - The NVMe SATA III interface delivers performance of up to 560 MB/s seq. read and 540 MB/s seq. write speeds[2]
- UPGRADE FROM HDD - Transfer speed faster than a traditional HDD
- BACKWARDS COMPATIBLE - Backwards compatible with SATA II 3GB/sec
- INCREASED STORAGE - Increase the storage on your SATA III compatible devices by up to 4TB to expand your game library, hold more files, or increase your total capacity[1]

PRODUCT SPECIFICATIONS

NAND Components	3D Flash Memory
Interface	SATA-III (6 Bb/s); Backwards compatible with SATA-II
Form Factor	2.5-inch
Read and Write Speeds	250GB: Up to 535MB/s read, Up to 500MB/s write[2] 500GB: Up to 550MB/s read, Up to 500MB/s write[2] 1TB: Up to 535MB/s read, Up to 515MB/s write[2] 2TB: Up to 550MB/s read, Up to 530MB/s write[2] 4TB: Up to 560MB/s read, Up to 540MB/s write[2]
Sata Link Power Management	Idle, Partial, Slumber
Power Island Support	Power Efficiency Management System
Operating Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
Certifications	BSMI, CE, EMC, FCC, KCC, REACH, RoHS, VCCI
Mean Time Before 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
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 or TBW*
PNY Part Number	250GB: SSD7CS900-250-RB 500GB: SSD7CS900-500-RB 1TB: SSD7CS900-1TB-RB 2TB: SSD7CS900-2TB-RB 4TB: SSD7CS900-4TB-RB
UPC Code	250GB: 751492629940 500GB: 751492629957 1TB: 751492629964 2TB: 751492636023 4TB: 751492640297

[1]For Flash Media Devices, 1 megabyte = 1 million bytes; 1 gigabyte = 1 billion bytes. Actual useable capacity may be less than total listed (some capacity is used for formatting and other functions, and thus is not available for data storage).

[2]Noted speeds may vary depending on the host devices, user's settings, configurations, OS, and applications.

*Warranty: Please visit PNY website for more information regarding warranty in your region

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