



CS2311 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

CS2311 SOLID STATE DRIVES

PNY XLR8 CS2311 is an excellent choice for an high performance solid state drive (SSD) upgrade from a hard disk drive (HDD) or entry level solid state drive (SSD). The CS2311 drive is designed for an HDD or entry level SSD replacement in the existing PC system to help realize faster boot times, quicker application launches and better overall system performance.

The CS2311 drive is designed to be a high performance SATA SSD upgrade to help realize faster boot times, quicker application launches, and better overall system performance. Do more in less time; boot up, power down, and load applications faster than traditional HDD's. With no moving parts, the PNY XLR8 CS2311 SSD is highly durable, less likely to fail, and supports up to 5 years of warranty.

The PNY XLR8 CS2311 is engineered with the same level of quality and durability that our consumers have enjoyed with the CS900 SSD. We've taken the world's most advanced NAND flash and refined the CS2311 to achieve a higher threshold for endurance and reliability. PNY's extensive testing and rigorous validation process ensures compatibility across various platforms and multiple operating systems.

APPLICATIONS

- High performance SSD for PC upgrade
- Replacement for an entry level SSD or HDD for better overall performance

FEATURES AND BENEFITS

- Sequential Read of up to 560MB/s and Write of up to 530MB/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)	
250GB	560 MB/s (Read), 530 MB/s (Write)
500GB	560 MB/s (Read), 530 MB/s (Write)
1TB	560 MB/s (Read), 530 MB/s (Write)
2TB	560 MB/s (Read), 530 MB/s (Write)
POWER	
Sata Link Power Management	Idle, Partial, Slumber
ENVIRONMENTAL	
Power Island Support	Power Efficiency Management System
Operating Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
RELIABILITY/SECURITY	
Certifications	BSMI, CE, EMC, FCC, 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
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T)
Full End-to-End Data path protection	Supported
COMPATIBILITY	
RAID (0/1)	Supported
Serial ATA	Fully compliant with SATA-IO: Serial ATA Revision 3.0, ATA ATAPI-8 Standard Native Command Queuing (NCQ)
ADDITIONAL FEATURES	
Performance Optimization	TRIM (requires OS support)
PRODUCT INFORMATION	
Service & Support	3-Year Limited Warranty*
Usable Capacities (IDEMA)	250GB, 500GB, 1TB, 2TB
PNY Part Number	250GB: SSD7CS2311-250-RB 500GB: SSD7CS2311-500-RB 1TB: SSD7CS2311-1TB-RB 2TB: SSD7CS2311-2TB-RB
UPC	250GB: 751492624327 500GB: 751492624334 1TB: 751492624341 2TB: 751492624358
Box Dimensions	3.94" x .63" x 5.83"
Dimensions (L x W x H)	3.9" x 2.75" x 0.25"
Weight	45g

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

