



CS2311 Solid State Drive



Performance

Transfer speed faster than a traditional SDD



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

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| 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 | LDPC (Low Density Parity Check) ECC Algorithm |
| Product Health Monitoring | Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T) |
| Full End-to-End Data path protection | Supported |
| Encryption | AES256 |
| 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) |
| Performance Optimization | TRIM (requires OS support) |
| PRODUCT INFORMATION | |
| Service & Support | 5-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.

