



## CS2230 Solid State Drive



### High Performance

Transfer speed faster than a traditional SSD



### Enhanced Reliability

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



### 5-Year Limited Warranty or TBW\*

Extended protection and peace of mind

## CS2230 SOLID STATE DRIVES

The PNY CS2230 M.2 NVMe SSD is an excellent choice for an NVMe upgrade from a SATA based solid state drive (SSD) in an NVMe enabled PC or MAC desktop or laptop computer. The CS2230 drive is designed to be a SATA SSD replacement to help realize faster boot times, quicker application launches, and better overall system performance. Do more in less time with NVMe; boot up, power down, and load applications up to 6 times faster than with SATA based SSD's.

The NVMe interface delivers exceptional performance of up to 3,300 MB/s seq. read and 2,600 MB/s seq. write speeds. It is designed to be a SATA SSD replacement to help realize faster boot times, quicker application launches, and better overall system performance. With no moving parts, the PNY CS2230 is highly durable, less likely to fail, and supports a 5-year limited warranty or TBW.\*

The PNY CS2230 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 CS2230 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

- NVMe upgrade from a SATA based solid state drive (SSD) in an NVMe enabled PC or MAC desktop or laptop computer
- SSD with up to 6 times the performance as compared to SATA based SSDs

## FEATURES AND BENEFITS

- Sequential Read of up to 3,300 MB/s and Write of up to 2,600 MB/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       | PCIe Gen3 x4    |
| Form Factor     | M.2 2280        |

### PERFORMANCE (MAX SEQUENTIAL READ/WRITE)

|       |                                       |
|-------|---------------------------------------|
| 500GB | 3,300 MB/s (Read), 2,500 MB/s (Write) |
| 1TB   | 3,300 MB/s (Read), 2,600 MB/s (Write) |

### POWER

|                       |                                       |
|-----------------------|---------------------------------------|
| PCIe Power Management | PS0/PS1/PS2/PS3/PS4, APST, ASPM, L1.2 |
|-----------------------|---------------------------------------|

### ENVIRONMENTAL

|                       |              |
|-----------------------|--------------|
| Operating Temperature | 0°C ~ 70°C   |
| Storage Temperature   | -40°C ~ 85°C |

### RELIABILITY/SECURITY

|                                      |                                                                |
|--------------------------------------|----------------------------------------------------------------|
| Certifications                       | CE, FCC, RoHS, VCCI, UKCA                                      |
| Mean Time Between Failures (MTBF)    | 1,000,000 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                                                      |

### COMPATIBILITY

|            |           |
|------------|-----------|
| RAID (0/1) | Supported |
| NVMe       | NVMe 1.4  |

### ADDITIONAL FEATURES

|                          |                            |
|--------------------------|----------------------------|
| Performance Optimization | TRIM (requires OS support) |
|--------------------------|----------------------------|

## PRODUCT INFORMATION

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Service & Support         | 5-Year Limited Warranty or TBW*                    |
| Usable Capacities (IDEMA) | 500GB, 1TB                                         |
| PNY Part Number           | 500GB: M280CS2230-500-RB<br>1TB: M280CS2230-1TB-RB |
| UPC                       | 500GB: 751492756264<br>1TB: 751492756271           |
| Box Dimensions            | 3.9" x 2.75" x 0.25"                               |
| Dimensions (L x W x H)    | 22 x 80 x 4 mm (Max)                               |
| Weight                    | 6.6g                                               |

\*For full details visit [www.pny.com](http://www.pny.com)