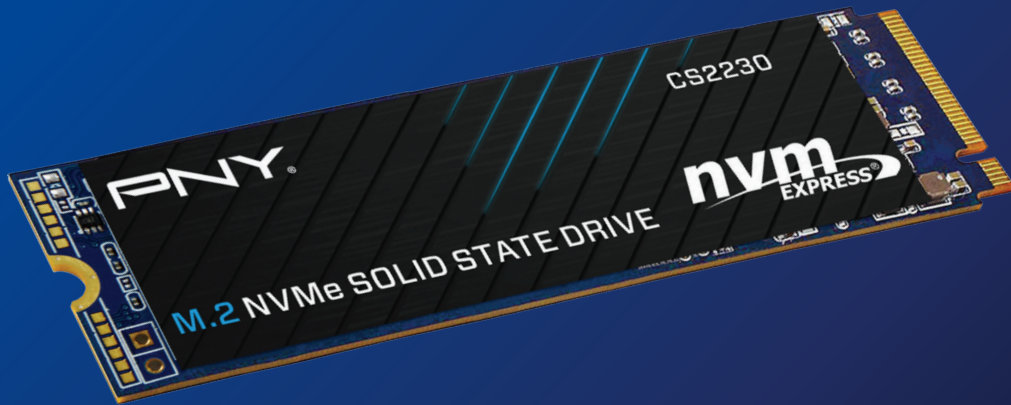




# PNY CS2230

M.2 2280 NVMe Gen3 x4

Solid State Drives



## STORAGE UPGRADE

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 on SSD's.



### Advanced Thermal Solution

Features a thermal coated controller keeping temperatures low and speeds, even when multitasking or transferring files



### Increase Your Space

Increase the storage on your M.2 2280 compatible devices by up to 2TB to expand your game library, hold more files, or increase your total capacity<sup>1</sup>



### Performance Optimization

Optimized with Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T), TRIM, and ECC



## HIGH PERFORMANCE

Transfer speed faster than  
a traditional SSD



## COMPATIBILITY

Designed for M.2 2280  
compatible devices



## 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

## KEY FEATURES

- **UPGRADE** - Mainstream NVMe upgrade from a SATA based solid state drive (SSD) in NVMe enabled PC or Mac computers for super-fast OS boot times and application loads
- **INTERFACE/SPEEDS** - The NVMe PCIe Gen3 x4 interface delivers performance of up to 3,400MB/s seq. read and 2,700MB/s seq. write speeds<sup>2</sup>
- **ENHANCED BANDWIDTH** - The enhanced bandwidth of the NVMe interface allows for higher performance and low latency, making it superior to SATA based SSDs
- **POWER CONSUMPTION** - Premium performance and ultra-low power consumption ideal for demanding applications and high-end games
- **WARRANTY/SUPPORT** - Competitive 5-Year Limited Warranty or TBW backed by 24/7 US based technical support, for full details visit [www.PNY.com](http://www.PNY.com)

## PRODUCT SPECIFICATIONS

|                                      |                                                                                                                                                                                                            |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NAND Components                      | 3D Flash Memory                                                                                                                                                                                            |
| Interface                            | PCIe Gen3 x4                                                                                                                                                                                               |
| Form Factor                          | M.2 2280                                                                                                                                                                                                   |
| Read and Write Speeds                | 500GB: Up to 3,300MB/s read,<br>Up to 2,500MB/s write <sup>2</sup><br>1TB: Up to 3,300MB/s read,<br>Up to 2,600MB/s write <sup>2</sup><br>2TB: Up to 3,400MB/s read,<br>Up to 2,700MB/s write <sup>2</sup> |
| PCIe Power Management                | PS0/PS1/PS2/PS3/PS4, APST, ASPM, L1.2                                                                                                                                                                      |
| Operating Temperature                | 0°C ~ 70°C                                                                                                                                                                                                 |
| Storage Temperature                  | -40°C ~ 85°C                                                                                                                                                                                               |
| Certifications                       | CE, FCC, REACH, RoHS, VCCI, UKCA                                                                                                                                                                           |
| Mean Time Before Failures (MTBF)     | 1,000,000 Hours                                                                                                                                                                                            |
| Error Correction Code                | LDPC (Low Density Parity Check) ECC Algorithm                                                                                                                                                              |
| Product Health Monitoring            | Self-Monitoring, Analysis and Reporting<br>Technology (S.M.A.R.T)                                                                                                                                          |
| Full End-to-End Data path protection | Supported                                                                                                                                                                                                  |
| RAID (0/1)                           | Supported                                                                                                                                                                                                  |
| NVMe                                 | 1.4                                                                                                                                                                                                        |
| Performance Optimizaion              | TRIM (requires OS support)                                                                                                                                                                                 |

## PRODUCT INFORMATION

|                 |                                                                              |
|-----------------|------------------------------------------------------------------------------|
| PNY Part Number | 500GB: M280CS2230-500-RB<br>1TB: M280CS2230-1TB-RB<br>2TB: M280CS2230-2TB-RB |
| UPC Code        | 500GB: 751492756264<br>1TB: 751492756271<br>2TB: 751492779157                |
| Part Dimensions | 22 x 80 x 4mm                                                                |
| Box Dimensions  | 3.9" x 2.75" x 0.25"                                                         |

<sup>1</sup>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).

<sup>2</sup>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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