



# 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; book up, power down, and load applications up to 6 times faster than with SATA based on SSD's.

The NVMe interface delivers exceptional performance of up to 3,400 MB/s seq. read and 2,700 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 support a 5-year limited warranty or TBW.\*

The PNY CS2230 is engineered with the same level of quality and durability that our customers 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 3,400 MB/s and Write of up to 2,700 MB/s
- Faster boot up, 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)
2TB	3,400 MB/s (Read), 2,700 MB/s (Write)

### POWER

PCIe Power Management	PS0/PS1/PS2/PS3/PS4, APST, ASPM, L1.2
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### 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)
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## PRODUCT INFORMATION

Service & Support	5-Year Limited Warranty or TBW*
Usable Capacities (IDEMA)	500GB, 1TB, 2TB
PNY Part Number	500GB: M280CS2230-500-RB 1TB: M280CS2230-1TB-RB 2TB: M280CS2230-2TB-RB
UPC	500GB: 751492756264 1TB: 751492756271 2TB: 751492779157
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)