



# CS2140 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

## CS2140 SOLID STATE DRIVES

The PNY CS2140 M.2 NVMe Gen4 x4 Solid State Drive is an excellent choice for a mainstream performance upgrade in an NVMe Gen4 enabled desktop or laptop computer. Upgrade to the latest in NVMe technology and experience the enhanced performance of up to 3,600 MB/s seq. read and 3,200 MB/s seq. write speeds. Experience faster boot times, quicker application launches, and improved overall system performance using the CS2140 Gen4 technology.

Do more in less time with NVMe Gen4 x4; boot up, power down, and load applications up to 6 times faster compared to SATA based SSD's. Designed to deliver the performance you demand, and with no moving parts, the PNY CS2140 is highly durable, less likely to fail, and supports a 5-year limited warranty or TBW.\*

The PNY CS2140 is engineered with the same level of quality and durability that our customers have enjoyed for over 35 years. We've taken the world's most advanced NAND flash and refined the CS2140 for optimized performance and reliability. PNY's extensive testing and rigorous validation process ensures compatibility across various platforms and multiple operating systems.

### APPLICATIONS

- An excellent choice for a mainstream performance upgrade to Gen4 technology in an NVMe enabled desktop or laptop computer
- High performance SSD with up to 6 times the performance as compared to SATA based SSDs

### FEATURES AND BENEFITS

- Sequential Read of up to 3,600 MB/s and Write of up to 3,200 MB/s
- Faster boot up, quicker application launch, and improved overall system performance
- Reliable storage
- Low power consumption, cool and quiet operation
- Backed by a 5 year limited warranty or TBW\* & live US tech support

## PRODUCT SPECIFICATIONS

NAND Components	3D Flash Memory
Interface	PCIe Gen4 x4
Form Factor	M.2 2280

### PERFORMANCE (MAX SEQUENTIAL READ/WRITE)

500GB	3,600 MB/s (Read), 2,300 MB/s (Write)
1TB	3,600 MB/s (Read), 3,200 MB/s (Write)

### POWER

PCIe Power Management	APST, ASPM, L1.2
-----------------------	------------------

### ENVIRONMENTAL

Operating Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
Certifications	BSMI, CE, FCC, KCC, REACH, RoHS, VCCI

### RELIABILITY/SECURITY

Mean Time Between Failures (MTBF)	1,500,000 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
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: M280CS2140-500-RB 1TB: M280CS2140-1TB-RB
UPC	500GB: 751492650937 1TB: 751492650944
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)