



CS2240 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

CS2240 SOLID STATE DRIVES

The PNY CS2240 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 4,700 MB/s seq. read and 3,800 MB/s seq. write speeds. Experience faster boot times, quicker application launches, and improved overall system performance using the CS2240 Gen4 technology.

Do more in less time with NVMe Gen4 x4; boot up, power down, and load applications up to 8 times faster compared to SATA based SSD's. Designed to deliver the performance you demand, and with no moving parts, the PNY CS2240 is highly durable, less likely to fail, and supports a 5-year limited warranty or TBW.*

The PNY CS2240 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 CS2240 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 8 times the performance as compared to SATA based SSDs

FEATURES AND BENEFITS

- Sequential Read of up to 4,700 MB/s and Write of up to 3,800 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	4,700 MB/s (Read), 3,400 MB/s (Write)
1TB	4,700 MB/s (Read), 3,800 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
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

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
PNY Part Number	500GB: M280CS2240-500-RB 1TB: M280CS2240-1TB-RB
UPC	500GB: 751492664330 1TB: 751492664347
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