PNY

CS2241
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

CS2241 SOLID STATE DRIVES

The PNY CS2241 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 5,100 MB/s seq. read and 4,200 MB/s seq. write speeds. Experience faster boot times, quicker application launches, and improved overall system performance using the CS2241 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 CS2241 is highly durable, less likely to fail, and supports a 5-year limited warranty or TBW.*

The PNY CS2241 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 CS2241 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 5,100 MB/s and Write of up to 4,200 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	4700 MB/s (Read), 1,700 MB/s (Write)
1TB	5,100 MB/s (Read), 3,200 MB/s (Write)
2TB	5,000 MB/s (Read), 4,200 MB/s (Write)
4TB	5,000 MB/s (Read), 4,200 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
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)

PRODUCT INFORMATION

Service & Support	5-Year Limited Warranty or TBW*
Usable Capacities (IDEMA)	500GB, 1TB, 2TB, 4TB
PNY Part Number	500GB: M280CS2241-500-CL 1TB: M280CS2241-1TB-CL 2TB: M280CS2241-2TB-CL 4TB: M280CS2241-4TB-CL
UPC	500GB: 751492771779 1TB: 751492771786 2TB: 751492771793 4TB: 751492771809
EAN	500GB: 4718006454357 1TB: 4718006454364 2TB: 4718006454371 4TB: 4718006454388
Retail Dimensions (L x W x H)	123 x 85 x 4.3 mm
Product Dimension (L x W x H)	22 x 80 x 4 mm (Max)
Weight	6.6g

*For full details visit www.pny.com

ver. 11-24-22