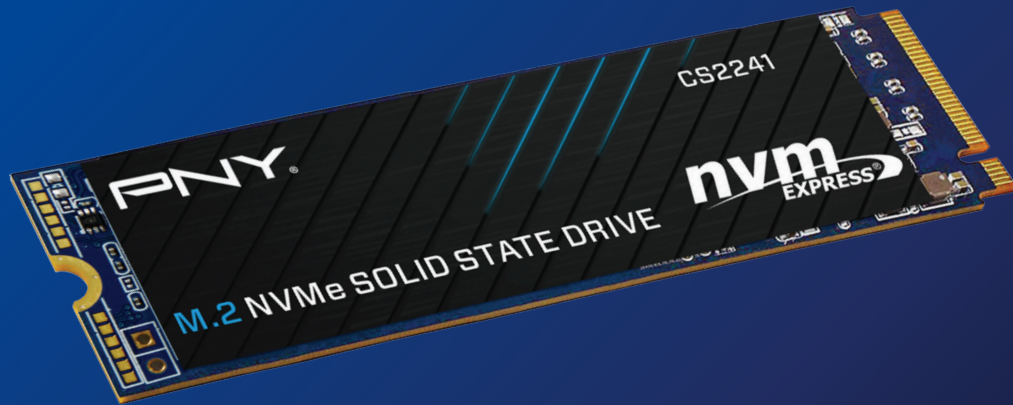




# PNY CS2241

M.2 2280 NVMe Gen4 x4

Solid State Drives



## UPGRADE YOUR SYSTEM

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 5,000 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.<sup>2</sup>



### Enhanced Reliability

Non-volatile NAND up to 30 times more robust than HDDs



### High Performance

Get sequential speeds of up to 5,000 MB/s and 4,200 MB/s read and write<sup>2</sup>



### Performance Optimization

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



## INCREASE YOUR SPACE

Increase the storage on your M.2 2280 compatible devices by up to 4TB to expand your game library, hold more files, or increase your total capacity<sup>1</sup>



## ADVANCED THERMAL SOLUTION

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



## COMPATIBILITY

Designed for M.2 2280 compatible devices



## 5-YEAR LIMITED WARRANTY OR TBW\*

Extended protection and peace of mind

## KEY FEATURES

- **FAST GEN4 SPEED** - The NVMe PCIe Gen4 x4 interface delivers performance of up to 5,000 MB/s seq. read and 4,200 MB/s seq. write speeds<sup>2</sup>
- **HIGH PERFORMANCE** - Ultra high performance is ideal for demanding applications, high-end games, and intense workloads
- **THERMAL COATED CONTROLLER** - Advanced thermal design keeps temperatures low, maintains peak speeds during heavy multitasking or transfers, and extends drive lifespan for long-term reliability
- **ULTIMATE STORAGE EXPANSION** - Expand your game library, store more digital assets, and hold greater amounts of data
- **INCREASED STORAGE** - Increase the storage on your M.2 2280 compatible devices by up to 4TB to expand your game library, hold more files, or increase your total capacity<sup>1</sup>

## PRODUCT SPECIFICATIONS

NAND Components		3D Flash Memory
Interface		PCIe Gen4 x4
Form Factor		M.2 2280
Read and Write Speeds		500GB: Up to 4,700MB/s read, Up to 1,700MB/s write <sup>2</sup> 1TB: Up to 5,100MB/s read, Up to 3,200MB/s write <sup>2</sup> 2TB: Up to 5,000MB/s read, Up to 4,200MB/s write <sup>2</sup> 4TB: Up to 5,000MB/s read, Up to 4,200MB/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		BSMI, CE, FCC, KCC, REACH, RoHS, VCCI
Mean Time Before 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
RAID (0/1)		Supported
NVMe		NVMe 1.4
Performance Optimization		TRIM (requires OS support)

## PRODUCT INFORMATION

PNY Part Number	500GB: M280CS2241-500-RB
	1TB: M280CS2241-1TB-RB
	2TB: M280CS2241-2TB-RB
	4TB: M280CS2241-4TB-RB
UPC Code	500GB: 751492771731
	1TB: 751492771748
	2TB: 751492771755
	4TB: 751492771762
Part Dimensions	22 x 80 x 4mm
Box Dimensions	3.94" 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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