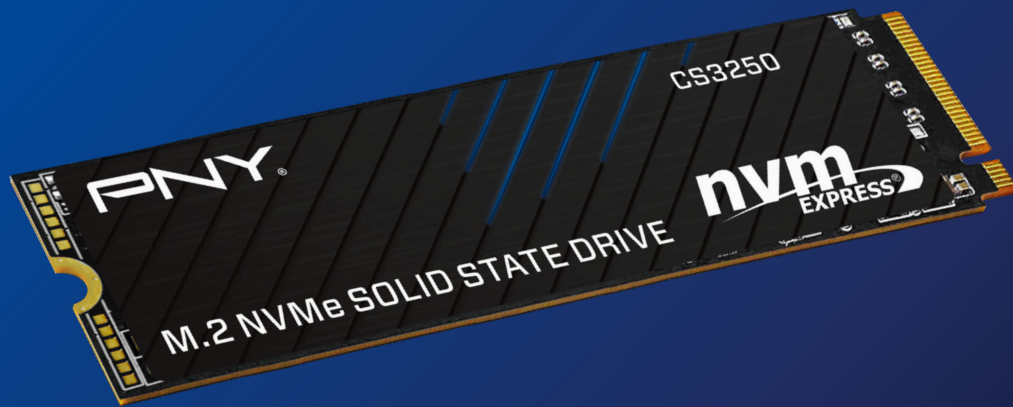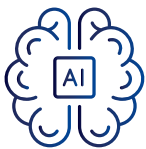# PNY CS3250

M.2 2280 NVMe Gen5 x4

Solid State Drives

LEVEL UP YOUR SYSTEM

The CS3250 pushes the limits of storage technology with ultra-fast NVMe PCIe Gen5 x4 performance. With sequential read speeds of up to 14,900 MB/s and write speeds up to 14,000 MB/s[2], it delivers the speed and responsiveness required for today's most demanding workloads. Designed for AI developers, gamers, content creators, and performance-driven professionals, the CS3250 sets a new benchmark for high-end computing.

AI-Ready

Built to handle the demands of modern AI applications

Lightning-Fast Speeds

Get sequential speeds of up to 14,900 and 14,000 MB/s read and write[2]

Stay Cool Under Pressure

Advanced thermal coated controller to keep temperatures down

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[1]

SECURE YOUR DATA

Supports TCG Pyrite™, the security software designed for personal client computing – enter passwords via BIOS, UEFI or compatible third-party software

COMPATIBILITY

Designed for M.2 2280 compatible devices

5-YEAR LIMITED WARRANTY OR TBW*

Extended protection and peace of mind

KEY FEATURES

- SUPERIOR GEN5 SPEED - The NVMe PCIe Gen5 x4 interface delivers performance of up to 14,900 MB/s seq. read and 14,000 MB/s seq. write speeds[2]
- AI-READY PERFORMANCE - Built to handle the demands of modern AI applications, from real-time image generation to deep learning tasks
- 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
- GAMING UPGRADE - Enhance your gaming with faster speeds, quicker load times, reduced lag, and smoother streaming in games that use dynamic world streaming
- INCREASED STORAGE - Increase the storage on your M.2 2280 compatible devices by up to 2TB to expand your game library, hold more files, or increase your total capacity[1]

PRODUCT SPECIFICATIONS

NAND Components	3D Flash Memory
Interface	PCIe Gen5 x4
Form Factor	M.2 2280
Read and Write Speeds	1TB: Up to 14,900MB/s read, Up to 13,500MB/s write[2] 2TB: Up to 14,900MB/s read, Up to 14,000MB/s write[2] 4TB: Up to 14,900MB/s read, Up to 14,000MB/s write[2]
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	RoHS
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)
NVMe	2.0
Performance Optimizaion	Host Memory Buffer (HMB)
TCG Pyrite™	Enabled
Warranty	5-Year Limited Warranty or TBW*

PRODUCT INFORMATION

PNY Part Number	1TB: M280CS3250-1TB-TB 2TB: M280CS3250-2TB-TB 4TB: M280CS3250-4TB-TB
UPC Code	1TB: 751492799933 2TB: 751492799940 4TB: 751492799957
EAN	1TB: 4718006459826 2TB: 4718006459833 4TB: 4718006459840
Part Dimensions	22 x 80 x 4mm

[1]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).

[2]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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