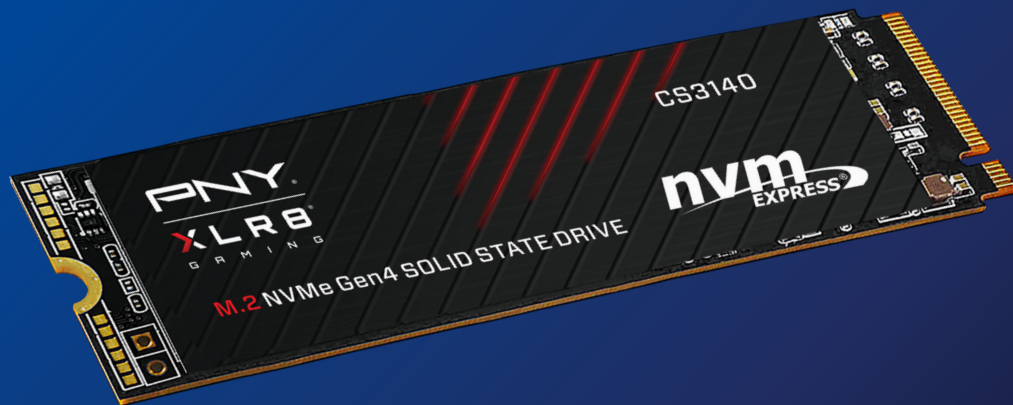




# PNY XLR8 Gaming CS3140

M.2 2280 NVMe Gen4 x4

Solid State Drives



## LEVEL UP YOUR SYSTEM

The CS3140 M.2 NVMe Gen4 x4 Solid State Drive is the ideal solution for PC enthusiasts, gamers, and video rendering professionals to upgrade to the latest in NVMe technology. The NVMe Gen4 x4 interface delivers extreme performance of up to 7,500MB/s seq. read and 6,850MB/s seq. write speeds.<sup>2</sup>



### Enhanced Reliability

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



### Extreme Performance

Get sequential speeds of up to 7,500 MB/s and 6,850 MB/s read and write<sup>2</sup>



### DRAM Cache

Accelerates data access for faster boot times, file transfers, and overall responsiveness



## 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>



## PERFORMANCE OPTIMIZATION

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



## COMPATIBILITY

Designed for M.2 2280 compatible devices



## 5-YEAR LIMITED WARRANTY OR TBW\*

Extended protection and peace of mind

## KEY FEATURES

- **SUPERIOR GEN4 SPEED** - The NVMe PCIe Gen5 x4 interface delivers performance of up to 7,500 MB/s seq. read and 6,850 MB/s seq. write speeds<sup>2</sup>
- **HIGH PERFORMANCE** - Ultra high performance is ideal for demanding applications, high-end games, and intense workloads
- **ULTIMATE STORAGE EXPANSION** - Expand your game library, store more digital assets, and hold greater amounts of data
- **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 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	1TB: Up to 7,500MB/s read, Up to 5,650MB/s write <sup>2</sup> 2TB: Up to 7,500MB/s read, Up to 6,850MB/s write <sup>2</sup> 4TB: Up to 7,500MB/s read, Up to 6,850MB/s write <sup>2</sup>
PCIe Power Management	APST, ASPM, L1.2
Operating Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
Mean Time Before Failures (MTBF)	2,000,000 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
RAID (0/1)	Supported
NVMe	NVMe 1.4
Performance Optimization	TRIM (requires OS support)

## PRODUCT INFORMATION

PNY Part Number	1TB: M280CS3140-1TB-RB 2TB: M280CS3140-2TB-RB 4TB: M280CS3140-4TB-RB
UPC Code	1TB: 751492642383 2TB: 751492642390 4TB: 751492648521
EAN	1TB: 4718006452506 2TB: 4718006452513 4TB: 4718006452520
Part Dimensions	22 x 80 x 4mm

<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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