XLR8 GAMING
POWERED BY PNY

CS3140
Solid State Drive

Extreme Performance
NVMe Gen4 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

CS3140 SOLID STATE DRIVES

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.

Offered with an optional extruded aluminum heatsink, It is designed to be an extreme high performance SSD to deliver the performance you demand for your laptop or desktop system. Boot up in seconds, enjoy lightning fast application launches, and incredible system performance. The PNY XLR8 CS3140 is highly durable, less likely to fail, and features a 5-year warranty or TBW.*

The PNY XLR8 CS3140 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 CS3140 to achieve a higher threshold for endurance and reliability. PNY's extensive testing and rigorous validation process ensures compatibility across various platforms and multiple operating systems.

APPLICATIONS

- High Performance NVMe Gen4 upgrade in an NVMe Gen4 enabled PC desktop or laptop computer
- High performance SSD with up to 13 times the performance as compared to SATA based SSDs

FEATURES AND BENEFITS

- Sequential Read of up to 7,500 MB/s and Write of up to 6,850 MB/s
- Offered with or without an integrated extruded aluminum heatsink for compatibility with a variety of form factors and systems
- Boot up in seconds, enjoy lightning fast application launches, and incredible system performance
- Extreme performance is ideal for demanding applications, high-end games, and intense workloads
- 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)	
1TB	7,500 MB/s (Read), 5,650 MB/s (Write)
2TB	7,500 MB/s (Read), 6,850 MB/s (Write)
4TB	7,500 MB/s (Read), 6,850 MB/s (Write)
POWER	
PCIe Power Management	APST, ASPM, L1.2
ENVIRONMENTAL	
Operating Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
RELIABILITY/SECURITY	
Mean Time Between 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
COMPATIBILITY	
RAID (0/1)	Supported
NVMe	NVMe 1.4
Performance Optimization	TRIM (requires OS support)
PRODUCT INFORMATION	
Service & Support	5-Year Limited Warranty or TBW*
Usable Capacities (IDEMA)	1TB, 2TB, 4TB
PNY Part Number	No Heatsink 1TB: M280CS3140-1TB-RB 2TB: M280CS3140-2TB-RB 4TB: M280CS3140-4TB-RB With Heatsink 1TB: M280CS3140HS-1TB-RB 2TB: M280CS3140HS-2TB-RB 4TB: M280CS3140HS-4TB-RB
UPC	No Heatsink 1TB: 751492642383 2TB: 751492642390 4TB: 751492648521 With Heatsink 1TB: 751492642406 2TB: 751492642413 4TB: 751492648538
Box Dimensions	No Heatsink: 3.94˝ x 5.13˝ x 0.63˝ With Heatsink: 5.51" x 3.07" x 1.14"
Dimensions (L x W x H)	No Heatsink: 22 x 80 x 4 mm (Max) With Heatsink: 22.8 x 80.4 x 20.5
Weight	No Heatsink: 6.6g With Heatsink: 45g

*For full details visit www.pny.com

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