



CS3040 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 Warranty

Extended protection and peace of mind

CS3040 SOLID STATE DRIVES

The CS3040 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 exceptional performance of up to 5,600MB/s seq. read and 4,300MB/s seq. write speeds.

Offered with an optional extruded aluminum heatsink, It is designed to be an ultra 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 CS3040 is highly durable, less likely to fail, and features a 5 year warranty.

The PNY XLR8 CS3040 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 CS3040 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

- NVMe Gen4 upgrade from a SATA based solid state drive (SSD) in an existing NVMe enabled PC desktop or laptop computer
- High performance SSD with up to 10 times the performance as compared to SATA based SSDs

FEATURES AND BENEFITS

- Sequential Read of up to 5,600 MB/s and Write of up to 4,300 MB/s
- Offered with or without an integrated extruded aluminum heatsink for compatibility with a variety of form factors and systems
- Faster boot up, quicker application launch, and better overall system performance
- Ultra high performance is ideal for demanding applications, high-end games, and intense workloads
- Backed by a 5 year warranty & 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	5,600 MB/s (Read), 2,600 MB/s (Write)
1TB	5,600 MB/s (Read), 4,300 MB/s (Write)
2TB	5,600 MB/s (Read), 4,300 MB/s (Write)

POWER

PCIe Power Management	APST, ASPM, L1.2
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ENVIRONMENTAL

Operating Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
Certifications	BSMI, CE, FCC, REACH, RoHS, VCCI, KCC

RELIABILITY/SECURITY

TBW	500GB: 850, 1TB: 1800, 2TB: 3600
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 1.3
Performance Optimization	TRIM (requires OS support)

PRODUCT INFORMATION

Service & Support	5-Year Limited Warranty*
Usable Capacities (IDEMA)	500GB, 1TB, 2TB
PNY Part Number	No Heatsink 500GB: M280CS3040-500-RB 1TB: M280CS3040-1TB-RB 2TB: M280CS3040-2TB-RB With Heatsink 500GB: M280CS3040HS-500-RB 1TB: M280CS3040HS-1TB-RB 2TB: M280CS3040HS-2TB-RB
UPC	No Heatsink 500GB: 751492624655 1TB: 751492624662 2TB: 751492624679 With Heatsink 500GB: 751492639888 1TB: 751492639895 2TB: 751492639932
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 warranty details please see www.pny.com.

