XLR8
GAMING
POWERED BY PNY

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 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 NVMe enabled 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)
4TB	5,600 MB/s (Read), 3,900 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

TBW	500GB: 850, 1TB: 1800, 2TB: 3600, 4TB: 900
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

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, 4TB
Box Dimensions	Label: 3.94˝ x 5.13˝ x 0.63˝ Heatsink: 5.51˝ x 3.07˝ x 1.14˝
Dimensions (L x W x H)	Label: 22 x 80 x 4 mm (Max) Heatsink: 22.8 x 80.4 x 20.5
Weight	Label: 6.6g Heatsink: 45g

	PNY PART NUMBER	UPC
Label	500GB: M280CS3040-500-RB 1TB: M280CS3040-1TB-RB 2TB: M280CS3040-2TB-RB 4TB: M280CS3040-4TB-RB	500GB: 751492639840 1TB: 751492639857 2TB: 751492639864 4TB: 751492639871
Heatsink	500GB: M280CS3040HS-500-RB 1TB: M280CS3040HS-1TB-RB 2TB: M280CS3040HS-2TB-RB 4TB: M280CS3040HS-4TB-RB	500GB: 751492639888 1TB: 751492639895 2TB: 751492639932 4TB: 751492639949

*For warranty details please see www.pny.com.