



CS3030 Solid State Drive



Extreme Performance

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

CS3030 SOLID STATE DRIVES

The PNY XLR8 CS3030 M.2 NVMe SSD is an excellent choice for an NVMe upgrade from a SATA based solid state drive (SSD) in an existing NVMe enabled PC or MAC desktop or laptop computer. The CS3030 drive is designed to be a high performance SATA SSD replacement to help realize faster boot times, quicker application launches, and better overall system performance. Do more in less time with NVMe; boot up, power down, and load applications up to 6 times faster than with SATA based SSD's.

The NVMe interface delivers exceptional performance of up to 3,500 MB/s seq. read and 3,100 MB/s seq. write speeds. It is designed to be a high performance SATA SSD replacement to help realize faster boot times, quicker application launches, and better overall system performance. With no moving parts, the PNY XLR8 CS3030 is highly durable, less likely to fail, and supports a 5-year limited warranty or TBW.*

The PNY XLR8 CS3030 is engineered with the same level of quality and durability that our consumers have enjoyed with the CS900 SSD. We've taken the world's most advanced NAND flash and refined the CS3030 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 upgrade from a SATA based solid state drive (SSD) in an existing NVMe enabled PC or MAC desktop or laptop computer
- High performance SSD with up to 6 times the performance as compared to SATA based SSDs

FEATURES AND BENEFITS

- Sequential Read of up to 3,500 MB/s and Write of up to 3,100 MB/s
- Faster boot up and quicker application launch
- Better overall system performance
- Reliable storage
- Low power consumption, cool and quiet operation

PRODUCT SPECIFICATIONS

NAND Components	3D Flash Memory
Interface	PCIe Gen3 x4
Form Factor	M.2 2280

PERFORMANCE (MAX SEQUENTIAL READ/WRITE)

250GB	3,500 MB/s (Read), 1,050 MB/s (Write)
500GB	3,500 MB/s (Read), 2,000 MB/s (Write)
1TB	3,500 MB/s (Read), 3,000 MB/s (Write)
2TB	3,500 MB/s (Read), 3,000 MB/s (Write)
4TB	3,500 MB/s (Read), 3,100 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

RELIABILITY/SECURITY

TBW	250GB: 170, 500GB: 170, 1TB: 360, 2TB: 660, 4TB: 6070
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 or TBW*
Usable Capacities (IDEMA)	250GB, 500GB, 1TB, 2TB, 4TB
PNY Part Number	250GB: M280CS3030-250-RB 500GB: M280CS3030-500-RB 1TB: M280CS3030-1TB-RB 2TB: M280CS3030-2TB-RB 4TB: M280CS3030-4TB-RB
UPC	250GB: 751492624648 500GB: 751492624655 1TB: 751492624662 2TB: 751492624679 4TB: 751492640334
Box Dimensions	3.94" x 5.13" x 0.63"
Dimensions (L x W x H)	22 x 80 x 4 mm (Max)
Weight	6.6g

*For full details visit www.pny.com

