



CS1030 Solid State Drive



High Performance

Transfer speed faster than a traditional SATA based storage



Enhanced Reliability

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



5-Year Warranty

Extended protection and peace of mind

CS1030 SOLID STATE DRIVES

The PNY CS1030 M.2 NVMe SSD is an excellent choice for an NVMe upgrade from a SATA based solid state drive (SSD) or traditional hard drive in an NVMe enabled desktop or laptop computer. The CS1030 drive is designed to be an upgrade from conventional SATA based storage to take advantage of the high bandwidth of the NVMe interface 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 4 times faster than with SATA based SSD's.

The NVMe interface delivers exceptional performance of up to 2,500 MB/s seq. read and 1,900 MB/s seq. write speeds. It is designed to be a high performance replacement for traditional SATA based storage to help realize faster boot times, quicker application launches, and better overall system performance. With no moving parts, the PNY CS1030 M.2 NVMe SSD is highly durable, less likely to fail, and supports a 5 year warranty.

The PNY CS1030 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 CS1030 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) or a traditional hard disk drive in an NVMe enabled desktop or laptop computer
- High performance SSD with up to 4 times the performance as compared to SATA based SSDs

FEATURES AND BENEFITS

- Sequential Read of up to 2,500 MB/s and Write of up to 1,900 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)

256GB	2,500 MB/s (Read), 1,100 MB/s (Write)
512GB	2,500 MB/s (Read), 1,900 MB/s (Write)
1TB	2,500 MB/s (Read), 1,650 MB/s (Write)
2TB	2,100 MB/s (Read), 1,900 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, KCC, REACH, RoHS, VCCI

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

COMPATIBILITY

RAID (0/1)	Supported
NVMe	NVMe 1.3

ADDITIONAL FEATURES

Performance Optimization	TRIM (requires OS support)
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PRODUCT INFORMATION

Service & Support	5-Year Limited Warranty*
Usable Capacities (IDEMA)	256GB, 512GB, 1TB, 2TB
PNY Part Number	256GB: M280CS1030-256-CL 512GB: M280CS1030-512-CL 1TB: M280CS1030-1TB-CL 2TB: M280CS1030-2TB-CL
EAN	256GB: 4718006450410 512GB: 4718006450427 1TB: 4718006450434 2TB: 4718006450441
Box Dimensions	123 x 85 x 4.3 mm
Dimensions (L x W x H)	22 x 80 x 4 mm (Max)
Weight	6.6g

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