PNY®

CS2040
Solid State Drive

Performance
Transfer speed faster than a traditional HDD

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

Acronis Migration Software Included
For easy OS and files cloning

CS2040 SOLID STATE DRIVES

The PNY CS2040 M.2 2280 SATA-III (6 Gb/s) solid-state drive (SSD) is the value performance line of PNY SSDs. It is an excellent choice for an entry-level upgrade from a hard disk drive (HDD).The M.2 interface save the use of SATA cables, directly connect to the PC.

The PNY CS2040 was designed to be an easy and cost-effective HDD replacement for your existing PC system, without having to sacrifice performance. Upgrading to the CS2040 SSD will help you experience an overall performance boost. Boot up, power down, and load applications in seconds. With no moving parts, the PNY CS2040 is highly durable and includes a 3-year limited warranty.** In addition, the CS2040 now includes the Acronis® True Image HD data migration software, which allows for a seamless experience when transferring data from an existing drive to a new PNY solid-state drive.

The PNY CS2040 is an excellent choice for energy efficiency and consumes significantly less power than hard drives. Users can benefit from lower power usage, longer battery life, and a cooler, quieter system. Spend more time enjoying your system and less time worrying about battery consumption. The CS2040 lineup is available in a range of capacities from 128GB to 1TB.

The PNY CS2040 is engineered with the same level of quality and durability that our consumers have enjoyed with the CS900 SSDs. PNY's extensive testing and rigorous validation process ensures compatibility across various platforms and multiple Operating Systems.

HIGH PERFORMANCE, HIGH VALUE
• Sequential Read of up to 560 MB/s and Write of up to 540 MB/s
• Cost effective HDD replacement for better overall performance

LOW POWER CONSUMPTION:LONG BATTERY LIFE
• Supports power saving features resulting in extended battery life for mobile applications
• Runs cool and quiet

APPLICATIONS
• Entry-level SSD for PC upgrade
• Faster boot up and application launch
• Reliable storage

PRODUCT SPECIFICATIONS

NAND Components	3D TLC Flash Memory
Interface	SATA-III (6 Gb/s)
Form Factor	M.2 2280

PERFORMANCE (MAX SEQUENTIAL READ/WRITE)

128GB, 256GB 512GB, 1TB	560 MB/s (Read) 540 MB/s (Write)

POWER

Power Consumption (Avg.)	2.0W Active, 0.3W idle; power management features
SATA Link Power Management	Idle, Partial, Slumber
Power Loss Protection	Flushing Mechanism, prevent data loss from unexpected power failure

ENVIRONMENTAL

Operating Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
Certifications	RoHS, CE, FCC, BSMI, SATA I0, WEEE

RELIABILITY / SECURITY

Mean Time Between Failures (MTBF)	2,000,000 Hours
Error Correction Code	Low Density Parity Check (LDPC)
Secure Erase	Standard, Enhanced Secure Erase
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T)
Full End-to-End Data path protection	Supported

COMPATABILITY

Serial ATA	Fully compliant with SATA-IO: Serial ATA Revision 3.2. ATA ATAPI-8 Standard Native Command Queuing (NCQ)
Operating Systems	Windows 10, Windows 8, Windows 7

ADDITIONAL FEATURES

Performance Optimization	TRIM(requires OS support)
Service & Support	3-Year Limited Warranty*

PRODUCT INFORMATION

Usable Capacities (IDEMA)	128GB, 256GB, 512GB, 1TB
PNY Part Number	128GB : SSD7CS2040-128-RB 256GB : SSD7CS2040-256-RB 512GB : SSD7CS2040-512-RB 1TB : SSD7CS2040-1TB-RB
Box Dimensions	13 x 10 x 1.5 cm
Dimensions (L x W x H)	80mm x 22mm x 3.80mm
Weight	8g

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

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