# CS2342
## M.2 2230 Gen4 Solid State Drive

**Extreme Performance**
NVMe Gen4 transfer speed, faster than a traditional SSD

**Secure Your Data**
Supports TCG Pyrite, the security software designed for personal client computing

**Compatibility**
Compatible with handheld gaming devices like the ASUS ROG Ally and Steam Deck, Desktops, and Laptops

## CS2342 SOLID STATE DRIVES

The CS2342 M.2 2230 NVMe Gen4 x4 Solid State Drive is the ideal solution PC enthusiasts, gamers, and content creators need for their 2230 compatible devices. The NVMe Gen4 x4 interface delivers exceptional speeds of up to 7,300MB/s seq. read and 6,000MB/s seq. write speeds. Specifically designed to fit easily into portable gaming devices, ultra-thin laptops, and other compact devices without sacrificing performance or capacity.[1]

Do more in less time with NVMe Gen4 x4; boot up, power down, and load applications faster than ever before. Designed to deliver the performance you demand, and with no moving parts, the PNY CS2342 is highly durable, less likely to fail, and supports a 5-year limited warranty or TBW.*

The PNY CS2342 is engineered with the same level of quality and durabi-lity that our customers have enjoyed for over 40 years. We've taken the world's most advanced NAND flash and refined the CS2342 for optimized performance and reliability. PNY's extensive testing and rigorous validation process ensures compatibility across various platforms and multiple operating systems.

### FEATURES AND BENEFITS
• Level-up with sequential read/write speeds of up to 7,300/6,000MB/s[1]
• The ultimate upgrade for any M.2 2230 Gen4 x4 compatible device
• Expand your gaming library, hold more files, and increase your total capacity
• Reliable storage
• Backed by a 5 year limited warranty or TBW & live US tech support*

## PRODUCT SPECIFICATIONS

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|---|---|
| NAND Components | 3D Flash Memory |
| Interface | PCIe Gen4 x4 |
| Form Factor | M.2 2230 |
| **PERFORMANCE** | |
| Max Sequential Read Speed | 7,300 MB/s[1] |
| Max Sequential Write Speed | 6,000 MB/s[1] |
| **POWER** | |
| PCIe Power Management | PS0/PS1/PS2/PS3/ PS4,APST, ASPM, L1.2 |
| **ENVIRONMENTAL** | |
| Operating Temperature | 0°C ~ 70°C |
| Storage Temperature | -40°C ~ 85°C |
| **RELIABILITY/SECURITY** | |
| Certifications | BSMI, CE, FCC, KCC, REACH, RoHS, VCCI |
| Mean Time Between Failures (MTBF) | 1,500,000 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) |
| NVMe | 1,4 |
| Performance Optimization | Host Memory Buffer (HMB) |
| TCG Pyrite | Enabled |
| Service & Support | 5-Year Limited Warranty or TBW* |

## PRODUCT INFORMATION

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|---|---|
| PNY Part Number | 1TB: M230CS2342-1TB-TB 2TB: M230CS2342-2TB-TB |
| UPC | 1TB: 751492795942 2TB: 751492795959 |
| EAN | 1TB: 4718006457969 2TB: 4718006457976 |
| Product Dimensions | 22 x 30 x 4 mm |
| Box Dimensions | 4.78 x 3.35 x 0.50" |

[1]For Flash Media Devices, 1 megabyte = 1 million bytes; 1 gigabyte = 1 billion bytes. Actual useable capacity may be less than total listed (some capacity is used for formatting and other functions, and thus is not available for data storage).
*For full details visit www.pny.com

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