

# CS1000 Series

Consumer SSD : CS1111



The PNY CS1111 2.5-inch SATA III (6 Gb/s) SSD is the next generation of Optima SSD. It is an excellent choice for an entry-level solid state drive (SSD) upgrade from the hard disk drives (HDD). PNY CS1111 is designed for an easy and cost-effective HDD replacement in the existing PC system that helps realize faster boot times, quick application launch and great overall system storage performance improvement in a cost-effective way compared to the HDD. With no moving parts, PNY CS1111 is highly durable, less likely to fail and supports up to 3 years of warranty.

The PNY CS1111 is power-efficient and helps extend the battery life lasting longer than a HDD at a competitive price point. These SSDs are available in a range of capacities from 120 to 480 GB using MLC NAND flash memory. It's extensive testing ensures compatibility across various platforms, multiple Operating Systems and applications that just work hassle free right out of the box.

The PNY CS1111 SSD is the best choice for the entry-level price conscience consumer looking to upgrade their HDD to SSD for faster boot up, quicker loading of applications and power saving for longer battery life. The easy installation guide and bring up helps reap the upgrade benefits right away.

## Reasons to Choose CS1111

### APPLICATIONS

- PC Upgrade, Entry-level SSD, Faster boot up and application launch, reliable storage

### HIGH PERFORMANCE: GET MORE DONE

- Sequential Read of up to 500 MB/s and Write of up to 300MB/s
- Random Read/Write up to 75,000 IOPS for performance and cost savings
- Faster application loading and boot compared to HDD

### VALUE: ECONOMICAL

- Low-cost effective, fast boot up, HDD replacement and better performance

### LOW POWER CONSUMPTION :

#### LONGER BATTERY LIFE

- Supports power saving features resulting in extended battery life for mobile application
- Runs cool and quiet

### RELIABLE: WARRANTY

- Three years limited warranty

## Available Options



CS1111  
Consumer SSD

## SPECIFICATIONS

### Consumer SSD: CS1111

PNY Part Number	<b>120 GB:</b> SSD7CS1111-120-RB / 751492580029
	<b>240 GB:</b> SSD7CS1111-240-RB / 751492580036
	<b>480 GB:</b> SSD7CS1111-480-RB / 751492580043

Box Dimensions	13,3 x 11,8 x 3,18 cm
Usable Capacities (IDEMA)	120GB, 240GB, 480GB
NAND Components	Multi-Level Cell (MLC) NAND Flash
Interface	SATA-III (6 Gb/s); Backwards compatible with SATA-II
Form Factor	2.5 inch slim (7mm)
Dimensions (L x W x H)	100 x 70 x 7 mm
Weight	80g

### PERFORMANCE

Sequential Max Read	120 GB, 240 GB : Up to 430 MB/s 480 GB : Up to 460 MB/s
Sequential Max Write	120 GB, 240 GB : Up to 300 MB/s 480 GB : Up to 415 MB/s
Random Read Op. (4kb)	120 GB, 240 GB : Up to 70,000 IOPS 480 GB : Up to 71,000 IOPS
Random Write Op. (4kb)	120 GB, 240 GB : Up to 71,000 IOPS 480 GB : Up to 73,000 IOPS

### POWER

Power Consumption	2,5W Typical, 0,5W Idle
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### ENVIRONMENTAL

Operating Temperature	0°C ~ 70°C
Storage Temperature	-55°C ~ 70°C
Certifications	RoHS, CE, FCC, REACH, BSMI

### RELIABILITY / SECURITY

MTBF	1 million hours
Endurance	Endurance Up to 160 TB Maximum data written

### COMPATIBILITY

Serial ATA	Fully compliant with Serial ATA International Organization: Serial ATA Revision 3.1. Fully compliant with ATA/ATAPI-8 Standard Native Command Queuing (NCQ)
Operating Systems	Windows 8.1 32-bit/64-bit, Windows Vista 32-bit/64-bit; Windows 7 32-bit/64-bit; Linux ; Mac OS X
Power Requirements	Standard SATA Power Connector

### ADDITIONAL FEATURES

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

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# CS2000 Series

Consumer SSD : CS2111



The PNY CS2111 2.5-inch SATA (6 Gb/s) solid state drive (SSD) is the next generation of XLR8™ SSD targeted for enthusiasts and gamers who seek out an edge over their competition in the high performance gaming segment. Coupled with PNY XLR8 graphics cards, these SSDs can give tremendous out of the box experience for graphics intensive gaming at blazing fast speeds without compromising storage reliability.

Optimized for high read/write speeds, this drive can outperform your competition by dramatically improving the game loads and allowing quicker game entry to beat the competition.

The users can experience ultra-responsive gaming, multitasking and multimedia storage. The PNY CS2111 offers capacities of 240GB, 480GB and 960GB using MLC NAND type flash memories. The CS2111 SSD is the best choice for the PC enthusiast and gamers when upgrading from their slow HDD, offering simple installation and relative low cost.

## Reasons to Choose CS2111

### EXTREME PERFORMANCE

- High speed sequential read data transfers of up to 560 MB/s
- Random read IOPS up to 95,000 to support exhilarating gaming experience
- User-defined passwords and Secure Erase features to keep your data protected
- TRIM support and background garbage collection improves latency and performance

### RELIABILITY

- MTBF: 1,000,000 Hours with 3 year warranty
- Features MLC NAND for high quality and endurance
- Support for S.M.A.R.T drive health monitoring

### APPLICATIONS

- Reliable and safe multimedia storage, gaming, boot drives and PC enthusiast
- Supports multiple OS

## Available Options



**CS2111**  
Gamer/Enthusiast SSD

## SPECIFICATIONS

### Gamer/Enthusiast SSD: CS2111

PNY Part Number	<b>240 GB:</b> SSD7CS2111-240-RB / 751492580074 <b>480 GB:</b> SSD7CS2111-480-RB / 751492580081 <b>960 GB:</b> SSD7CS2111-960-RB / 751492581149
Box Dimensions	13,3 x 11,8 x 3,18 cm
Usable Capacities (IDEMA)	240GB, 480GB, 960GB
NAND Components	Multi-Level Cell (MLC) NAND Flash
Interface	SATA-III (6 Gb/s); Backwards compatible with SATA-II
Form Factor	2.5 inch slim
Dimensions (L x W x H)	100 x 70 x 7 mm
Weight	95g

### PERFORMANCE

Sequential Max Read	240 GB : Up to 555 MB/s 480 GB / 960 GB : Up to 560 MB/s
Sequential Max Write	240 GB : Up to 320 MB/s 480 GB / 960 GB: Up to 455 MB/s
Random Read Op. (4kb)	240 GB : Up to 71,000 IOPS 480 GB / 960 GB: Up to 71,000 IOPS
Random Write Op. (4kb)	240 GB : Up to 72,000 IOPS 480 GB / 960 GB : Up to 75,000 IOPS

### POWER

Power Consumption	2.5W Active, 0.5 W Idle; Power management features
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### ENVIRONMENTAL

Operating Temperature	0°C ~ 70°C
Storage Temperature	-45°C ~ 85°C
Certifications	RoHS, CE, FCC, REACH, BSMI

### RELIABILITY / SECURITY

MTBF	1 million hours
End-To-End Data Protection	ECC: Up to 55 bits correctable per 512-byte sector Read
Secure Erase	Standard, Enhanced Secure Erase
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T)

### COMPATIBILITY

Serial ATA	Fully compliant with Serial ATA International Organization: Serial ATA Revision 3.1. Fully compliant with ATA/ATAPI-8 Standard Native Command Queuing (NCQ)
Operating Systems	Windows 8.1 32-bit/64-bit, Windows Vista 32-bit/64-bit; Windows 7 32-bit/64-bit; Linux ; Mac OS X

### ADDITIONAL FEATURES

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

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# Accessories Kit

Desktop Upgrade Kit  
SSD Upgrade Kit



  
Ideal for upgrade

Upgrading both laptops and desktops can be a real challenge when it comes to cloning the system. PNY Upgrade kits are the ideal toolboxes to help you jump to a new 2.5" storage solution for your computer. Including universal adapters, screw sets and cloning softwares, PNY accessories kits will ease the process step by step !

## Available options



### Desktop Upgrade Kit

- A 3,5" to 2,5" metallic bay
- A SATA III data cable
- Screws and screwdriver
- An Acronis® software licence key



### SSD Upgrade Kit

- A 2,5" USB 3.0 external enclosure
- A USB 3.0 cable,
- A 3,5" to 2,5" metallic bay
- A SATA III data cable
- Screws and screwdriver
- An Acronis® software licence key



**+** Acronis® True™ Image HD  
license included

## CONTENTS & SKUS

### PNY Desktop Upgrade Kit

Contents **A 3,5" to 2,5" metallic bay, a SATA III data cable, Screws and screwdriver, an Acronis® software licence key**

Sku **P-72002535-M-KIT / 751492546452**

### PNY SSD Upgrade Kit

Contents **A 2,5" USB 3.0 external enclosure, a USB 3.0 cable, a 3,5" to 2,5" metallic bay, a SATA III data cable, Screws and screwdriver, an Acronis® software licence key**

Sku **P-91008663-E-KIT / 751492563800**

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