

# PNY

# CS1311

## Consumer/Performance SSD: CS1311



The PNY CS1311 2.5-inch 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 PNY CS1311 was designed to be an easy and cost-effective HDD replacement for your existing PC system, without having to sacrifice performance. Upgrading to the CS1311 SSD will help you experience an overall performance boost. Boot up, power down, and load applications in seconds. With no moving parts, the PNY CS1311 is highly durable and includes a 3-year limited warranty.\*\* In addition, the CS1311 now includes the Acronis® 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 CS1311 is an excellent choice for energy efficiency and consumes significantly less power than hard drives. Furthermore, PNY has designed the CS1311 to be its lightest SSD to date. 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 CS1311 lineup is available in a range of capacities from 120 to 960 GB using TLC NAND flash memory.

The PNY CS1311 is engineered with the same level of quality and durability that our consumers have enjoyed with the CS1211 & CS1111 SSDs. We've taken the world's most advanced NAND flash and refined the CS1311 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.

### HIGH PERFORMANCE, HIGH VALUE

- Sequential Read of up to 550 MB/s and Write of up to 520 MB/s
- Random Read/Write up to 90,000 IOPS
- 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

### Available Options



**CS1311**  
Consumer/Performance SSD

### SPECIFICATIONS

#### Consumer/Performance SSD: CS1311

Usable Capacities (IDEMA)	120 GB, 240 GB, 480 GB, 960 GB				
PNY Part Number	120 GB: SSD7CS1311-120-* 240 GB: SSD7CS1311-240-* 480 GB: SSD7CS1311-480-* 960 GB: SSD7CS1311-960-*				
Box Dimensions	5.25" x 4.65" x 1.25"				
NAND Components	Triple-Level Cell (TLC) NAND Flash Memory				
Interface	SATA-III (6 Gb/s); Backwards compatible with SATA-II				
Form Factor	2.5-inch				
Dimensions (L x W x H)	100 x 70 x 7 mm				
Weight	45g				
<b>PERFORMANCE</b>	<b>120</b>	<b>240</b>	<b>480</b>	<b>960</b>	<b>Units</b>
Max Sequential Read	550	550	550	550	MB/s
Max Sequential Write	510	520	520	520	MB/s
Max Random Read	86,000	87,000	90,000	90,000	IOPS
Max Random Write	90,000	90,000	90,000	84,000	IOPS
<b>POWER</b>					
Power Consumption (Avg.)	2.2W Active, 0.17W Idle; Power management features				
SATA Link Power Management	Idle, Partial, Slumber				
Power Island Support	Power Efficiency Management System				
<b>ENVIRONMENTAL</b>					
Operating Temperature	0°C ~ 70°C				
Storage Temperature	-40°C ~ 85°C				
Certifications	RoHS, CE, FCC				
<b>RELIABILITY / SECURITY</b>					
Mean Time Between Failures (MTBF)	2,000,000 Hours				
Error Correction Code	Up to 120 bits per 2K sector				
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				
RAID (0/1)	Supported				
<b>COMPATABILITY</b>					
Serial ATA	Fully compliant with SATA-IO: Serial ATA Revision 3.0. ATA ATAPI-8 Standard Native Command Queuing (NCQ)				
Operating Systems	Windows 10, Windows 8, Windows 7, Windows Vista™, Windows XP™, Linux, Mac OS X, Ubuntu 14, CentOS 7				
Power Requirements	Standard SATA Power Connector, 5V, 0.5A (Active)				
<b>ADDITIONAL FEATURES</b>					
Performance Optimization	TRIM (requires OS support)				
Service & Support	3-Year Limited Warranty ** Toll free technical support lines				

\*RB (Retail Box), BLK (Bulk)

\*\*For warranty details please see [www.pny.com](http://www.pny.com).

PNY Technologies, Inc. 100 Jefferson Road, Parsippany, NJ 07054 | Tel 973-515-9700 | Fax 973-560-5590 | [www.PNY.com](http://www.PNY.com)

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