CS1300 Series
Consumer/Performances 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.

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/Performances SSD

SPECIFICATIONS

Consumer/Performances SSD:

PNY Part Number	120 GB: SSD7CS1311-120-RB / 3536403346799
	240 GB: SSD7CS1311-240-RB / 3536403346805
	480 GB: SSD7CS1311-480-RB / 3536403346812
	960 GB: SSD7CS1311-960-RB / 3536403347543
Box Dimensions	13,3 x 11,8 x 3,18 cm
Usable Capacities (IDEMA)	120GB, 240GB, 480GB, 960GB
NAND Components	TLC 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 × 70 × 7 mm
Weight	45g

PERFORMANCE

Density	120 GB	240 GB	480 GB	960 GB
Max Sequetial Read (MBps)	550	550	550	550
Max Sequetial Write (MBps)	510	520	520	520
Max Random Read (IOPS)	86 000	87 000	90 000	90 000
Max Random Write (IOPS)	90 000	90 000	90 000	84 000

POWER

Power Consumption	2.2W Active, 0.17W Idle; Power management features
SATA Link Power Management	Idle, Partial, Slumber
Power Island Support	Power Efficiency Management System

RELIABILITY / SECURITY

MTBF	2 million 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

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, 5V, 0.5A (Active)

ADDITIONAL FEATURES

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

PNY.
Make Life Simple™