



DESIGNED, DEVELOPED
& ASSEMBLED IN THE

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CS1311
Consumer/Performance SSD

CS2211
Media/Gaming Performance SSD

CL4111
Client/OEM SSD

EP7011
Read-Intensive Enterprise SSD

Ideal For	PC upgrade	Extreme gaming performance	Superior performance & enhanced security		Data center & cloud storage solutions
Applications	Quick application launch Fast boot up Reliable storage	Reliable & safe multimedia storage PC Enthusiast Responsive & data intensive gaming	Supports multiple OS & business applications Improved reliability & security Corporate business PC & thin client		Cloud Storage Media Streaming Video-On-Demand File/Web Servers
Interface	SATA-III, 6 Gb/s	SATA-III, 6 Gb/s	SATA-III, 6 Gb/s		SATA-III, 6 Gb/s
Form Factor	2.5-inch	2.5-inch	2.5-inch		2.5-inch
Capacity	120GB, 240GB, 480GB, 960GB	240GB, 480GB, 960GB	120GB, 240GB, 480GB	960GB	80GB, 240GB, 480GB
Controller	Phison S10	Phison S10	Seagate® SandForce® SF2281	Silicon Motion SM2246EN	Seagate® SandForce® SF2581
Max Sequential Read	Up to 550 MB/s	Up to 565 MB/s	Up to 555 MB/s		Up to 535 MB/s **
Max Sequential Write	Up to 520 MB/s	Up to 540 MB/s	Up to 530 MB/s		Up to 300 MB/s **
Max Random Read	Up to 90,000 IOPS	Up to 95,000 IOPS	Up to 79,000 IOPS		Up to 50,000 IOPS **
Max Random Write	Up to 90,000 IOPS	Up to 95,000 IOPS	Up to 90,000 IOPS		Up to 42,000 IOPS **
Use Condition	20GB/day	30GB/day	JESD 219A Client		JESD 219A Enterprise
MTBF	2 Million Hours	2 Million Hours	1.5 Million Hours		2.0 Million Hours
Warranty*	3 Years	4 Years	5 Years		5 Years

*See www.PNY.com for warranty details

**Steady State Compressible Performance

Contact a PNY account manager at 1-877-769-8727 or email: gopny@pny.com

SSD Feature Comparison



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Bootable	✓	✓	✓	✓
Up to 10x faster than HDD	✓	✓	✓	✓
Error Correction Code	✓	✓	✓	✓
Secure Erase	✓	✓	✓	✓
TRIM Support	✓	✓	✓	✓
SMART Features	✓	✓	✓	✓
Power Management Features (Sleep, Idle)	✓	✓	✓	✓
Validation by Industry Leading Experts	✓	✓	✓	✓
Acronis Software Included	✓	✓		
Software RAID 0, 1 Support	✓	✓	✓	✓
Entry level, Low-Cost Option	✓			
Media/Gaming Optimized		✓		
Office Workload Optimized			✓	
JESD 219A Client Usage - 8hr/day			✓	
AES 256-bit Encryption - Security**			✓	✓
End-to-End Data Path Protection**			✓	✓
Hardware RAID 0, 1, 5, 10 Support				✓
JESD 219A Enterprise Usage - 24hr/day				✓
Power Loss Protection				✓
PNY Part Number	120 GB: SSD7CS1311-120-RB 240 GB: SSD7CS1311-240-RB 480 GB: SSD7CS1311-480-RB 960 GB: SSD7CS1311-960-RB	240 GB: SSD7CS2211-240-RB 480 GB: SSD7CS2211-480-RB 960 GB: SSD7CS2211-960-RB	120 GB: SSD7CL4111-120-RB 240 GB: SSD7CL4111-240-RB 480 GB: SSD7CL4111-480-RB 960 GB: SSD7CL4111-960-RB*	80 GB: SSD7EP7011-080-RB 240 GB: SSD7EP7011-240-RB 480 GB: SSD7EP7011-480-RB

* 960GB capacity uses the SM2246EN controller

**CL4100: 120, 240, 480 GB only

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