SSD Product Comparison

CS1100 & CS1200 Series
CS1111 | CS1211
Entry Level Value SSD

CS2100 Series
CS2111
Media/Gaming Performance SSD

CL4100 Series
CL4111
Client/OEM SSD

EP7000 Series
EP7011
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 gaming	Supports multiple OS & business applications Improved reliability & security Corporate business PC & thin client	Enterprise storage applications System virtualization Mission critical data Data center environments
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, M.2	2.5-inch	2.5-inch
Capacity	120GB, 240GB, 480GB		240GB, 480GB, 960GB	120GB, 240GB, 480GB	960GB	80GB, 240GB, 480GB
Controller	Silicon Motion SM2246EN		Silicon Motion SM2246EN	Seagate® SandForce® SF2281	Silicon Motion SM2246EN	Seagate® SandForce® SF2581
Max Sequential Read	460 MB/s	520 MB/s	555 MB/s	545 MB/s	555 MB/s	535 MB/s **
Max Sequential Write	415 MB/s	400 MB/s	460 MB/s	530 MB/s	460 MB/s	490 MB/s **
Max Random Read	71,000 IOPS	79,000 IOPS	79,000 IOPS	36,000 IOPS	79,000 IOPS	49,000 IOPS **
Max Random Write	73,000 IOPS	73,000 IOPS	75,000 IOPS	90,000 IOPS	75,000 IOPS	42,000 IOPS **
Use Condition	20GB/Day		30GB/Day	JESD 219A Client		JESD 219A Enterprise
MTBF	1 Million Hours		1.2 Million Hours	1.5 Million Hours		2 Million Hours
Warranty*	3 Years		4 Years	5 Years		5 Years

Contact your PNY Account Manager or email: gopny@pny.com

*See www.PNY.com for warranty details
**Steady State Performance

TAA COMPLIANT

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SSD Feature Comparison

	CS1100 & CS1200 Series CS1111 | CS1211 Entry Level Value SSD	CS2100 Series CS2111 Media/Gaming Performance SSD	CL4100 Series CL4111+ Client/OEM SSD	EP7000 Series EP7011 Enterprise SSD
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	✔	✔	✔	✔
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**			✔	✔
Software RAID 0, 1			✔	✔
Hardware RAID 0, 1, 5, 10 Support				✔
JESD 219A Enterprise Usage - 24hr/day				✔
Power Loss Protection				✔
PNY Part Number	**120 GB:** SSD7CS1111-120-RB **240 GB:** SSD7CS1111-240-RB **480 GB:** SSD7CS1111-480-RB **120 GB:** SSD7CS1211-120-RB **240 GB:** SSD7CS1211-240-RB **480 GB:** SSD7CS1211-480-RB	**240 GB:** SSD7CS2111-240-RB **480 GB:** SSD7CS2111-480-RB **960 GB:** SSD7CS2111-960-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

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+ 960GB capacity uses the SM2246EN controller
** CL4100: 120, 240, 480 GB only

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