



DATA SHEET

Accelerate. Dominate. Endure. FireCuda 120 SSD



Designed for speed and endurance, the highly-adaptable FireCuda® 120 SSD is ready for rigorous PC gaming. With 5,600 TB TBW durability and maxed out SATA III speed — this SSD plugs in easily, roars to life, and lasts a lifetime. Whether you're improving your PC or giving your battlestation extra backup, FireCuda 120 SSD is ready to play.



Best-Fit Applications

- New desktop gaming PC builds
- Upgrading a desktop gaming PC
- Upgrading a laptop gaming PC



Key Advantages

Get maximum, top-level SSD speed with SATA III 6 Gb/s.

Take advantage of high sequential read/write speeds (up to 560/540 MB/s) for more responsive downloads, installs and multitasking.

Unleash SATA SSD speeds that are up to 30× faster than hard drives.

Enjoy the long-term high endurance of 0.7 DWPD.

Game confidently with the durability of up to 5,600 TB total bytes written (TBW).

With a robust 1.8M hours mean time between failures (MTBF), you've got roughly 82 years of gaming ahead of you.

Up to 4 TB of capacity means you can accumulate games without fear of maxing out space.

Monitor drive health, performance, and firmware updates with free Seagate SeaTools™ SSD software.

Rest easy with three years of Rescue Data Recovery Services¹, offering an industry-leading 95% success rate against unexpected data loss.

¹ Rescue Data Recovery Services not available in all countries.



Specifications	4 TB	2 TB	1 TB	500 GB
Model Number	ZA4000GM10001	ZA2000GM10001	ZA1000GM10001	ZA500GM10001
Interface	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
NAND Flash Memory	3D TLC	3D TLC	3D TLC	3D TLC
Form Factor	2.5 in × 7 mm	2.5 in × 7 mm	2.5 in × 7 mm	2.5 in × 7 mm
Performance				
Sequential Read (Max, MB/s), 128 KB ¹	560	560	560	560
Sequential Write (Max, MB/s), 128KB ¹	540	540	540	540
Random Read (Max, IOPS), 4 KB QD32 ¹	100,000	100,000	100,000	100,000
Random Write (Max, IOPS), 4 KB QD32 ¹	90,000	90,000	90,000	90,000
Endurance/Reliability				
Total Bytes Written (TB)	5,600	2,800	1,400	700
Mean Time Between Failures (MTBF, hours)	1,800,000	1,800,000	1,800,000	1,800,000
Rescue Data Recovery Services ²	3	3	3	3
Warranty, Limited (years)	5	5	5	5
Power Management				
Active Power, Average (W)	5.5	5.5	5.5	5.5
Idle Power, Average (mW)	<130	<130	<130	<130
DevSleep (mW)	<5	<5	<5	<5
Environmental				
Temperature, Operating Internal (°C)	0-70	0-70	0-70	0-70
Temperature, Non-operating (°C)	-40 - 85	-40 - 85	-40 - 85	-40 - 85
Shock, Non-operating: 0.5 ms (Gs)	1,500	1,500	1,500	1,500
Physical				
Height (mm/in, max)	7.10 mm/0.249 in	7.10 mm/0.249 in	7.10 mm/0.249 in	7.10 mm/0.249 in
Width (mm/in, max)	70.10 mm/2.759 in	70.10 mm/2.759 in	70.10 mm/2.759 in	70.10 mm/2.759 in
Depth (mm/in, max)	100.35 mm/3.950 in	100.35 mm/3.950 in	100.35 mm/3.950 in	100.35 mm/3.950 in
Weight (lb/g)	50g/0.110 lb	50g/0.110 lb	50g/0.110 lb	50g/0.110lb
Bulk Pack Specifications				
Carton Unit Quantity	10	10	10	10
Cartons Per Pallet/Layer	216 / 9	216 / 9	216 / 9	216 / 9
Special Features				
TRIM	Yes	Yes	Yes	Yes
S.M.A.R.T.	Yes	Yes	Yes	Yes
Halogen-free	Yes	Yes	Yes	Yes
RoHS compliance	Yes	Yes	Yes	Yes

¹ Fresh out of box (FOB) performance obtained on newly formatted drive. Performance may vary based on SSD's firmware version, system hardware, and configuration. Performance based on CrystalDiskMark v.6.0.0 x64 on Windows 10 host.

² Rescue Data Recovery Services not available in all countries.



Ordering Information	
Specifications	
Retail Packaging	Box Dimensions
Depth/Length (in/mm)	0.994 in/24 mm
Width (in/mm)	4.291 in/109 mm
Height (in/mm)	6.102 in/155 mm
Weight (lb/kg),	2.205 lb/0.1 kg
Master Carton Dimensions	
Depth/Length (in/mm)	6.023 in/153 mm
Width (in/mm)	11.496 in/292 mm
Height (in/mm)	5.011 in/140 mm
Weight (lb/kg),	2.646 lb/1.2 kg
Pallet Dimensions	
Depth/Length (in/mm)	47.992 in/1,219 mm
Width (in/mm)	20 in/508 mm
Height (in/mm)	27.795 in/706 mm
Weight (lb/kg),	127.559 lb/57.86 kg
Quantities	
Boxes per Master Carton	10
Master Cartons per Pallet	48
Pallet Layers	4

System Requirements	What's Included
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- SATA 6 Gb/s or SATA 3 Gb/s port
- Windows® 10, Windows 8.1
- Linux
- Seagate® FireCuda® 120 SSD

Region	Model Number	Capacity	Limited Warranty (years)	UPC Code	EAN Code	Multi-Pack UPC
WW	ZA500GM1A001	500GB	5	763649144886	8719706025577	10763649144883
WW	ZA1000GM1A001	1TB	5	763649144893	8719706025584	10763649144890
WW	ZA2000GM1A001	2TB	5	763649144909	8719706025591	10763649144906
WW	ZA4000GM1A001	4TB	5	763649144916	8719706025607	10763649144913

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