



FIRECUDA
GAMING

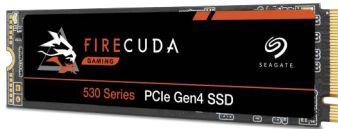


DATA SHEET

Explosive Speed. Absolute Domination. FireCuda 530 SSD



Blistering performance and unrivaled endurance—Seagate® FireCuda® 530 redefines *speed*—up to 7,300MB/s catalyzes PCIe® Gen4 power. With transfer rates 2× faster than PCIe Gen3, FireCuda 530 is built for sustained abuse and dependable performance. The speed of PCIe Gen4 is yours—seize the power.



Best-Fit Applications

- High-performance gaming desktops
- Creative professional systems



Key Advantages

Speed Reigns. FireCuda 530 dominates the SSD lineup—delivering pure performance, absolute power, the most advanced components, and unrivaled endurance.

Highest Performance. At up to 7,300MB/s you can harness the full power of PCIe Gen4 speeds to dominate next-generation games and applications.

Fastest. FireCuda. Ever. Built for sustained, pro-level gaming and accelerated content creation with transfer speeds up to 2× faster than PCIe Gen3 NVMe SSDs and up to 12× faster than SATA SSDs.

Latest Tech. Built with a Seagate-validated E18 controller and the latest 3D TLC NAND, FireCuda 530 provides the most advanced speed and durability so you can push the limits of your machine.

Endurance Unleashed. Designed to perform under heavy use and tough enough to go the distance—up to 5100TB TBW means you can write and delete 70% of the drive capacity, every day, for five years.

Considerable Capacity. Graphics-intensive games and big files are no problem with up to 4TB capacities to keep your gaming library at your fingertips and your creative content rendering.

Game and Create. Blistering transfer speeds of up to 7,300MB/s, endurance, and capacity makes content creation applications run faster and smoother.

Rescue Services. 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	4TB	2TB	1TB	500GB
Standard Model (TCG Pyrite)	ZP4000GM30013	ZP2000GM30013	ZP1000GM30013	ZP500GM30013
Interface	PCIe [®] Gen4 x4 NVMe 1.4	PCIe Gen4 x4 NVMe 1.4	PCIe Gen4 x4 NVMe 1.4	PCIe Gen4 x4 NVMe 1.4
NAND Flash Memory	3D TLC	3D TLC	3D TLC	3D TLC
Form Factor	M.2 2280-D2	M.2 2280-D2	M.2 2280-S2	M.2 2280-S2
Performance				
Sequential Read (Max, MB/s), 128KB ²	7300	7300	7300	7000
Sequential Write (Max, MB/s), 128KB ²	6900	6900	6000	3000
Random Read (Max, IOPS), 4KB QD32 T8 ²	1,000,000	1,000,000	800,000	400,000
Random Write (Max, IOPS), 4KB QD32 T8 ²	1,000,000	1,000,000	1,000,000	700,000
Endurance/Reliability				
Total Bytes Written (TB)	5100	2550	1275	640
Mean Time Between Failures (MTBF, hours)	1,800,000	1,800,000	1,800,000	1,800,000
Rescue Data Recovery Services (years) ³	3	3	3	3
Warranty, Limited (years)	5	5	5	5
Power Management				
Active Power, Average (W)	8.4	8.0	6.5	5.8
Idle Power PS3, Average (mW)	25	24	16	14
Low Power L1.2 mode (mW)	<5	<5	<5	<5
Environmental				
Temperature, Operating Internal (°C)	0°C – 70°C	0°C – 70°C	0°C – 70°C	0°C – 70°C
Temperature, Nonoperating (°C)	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C
Shock, Nonoperating: 0.5ms (Gs)	1500	1500	1500	1500
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
Physical				
Length (mm/in, max)	80.15mm/3.156in	80.15mm/3.156in	80.15mm/3.156in	80.15mm/3.156in
Width (mm/in, max)	22.15mm/0.872in	22.15mm/0.872in	22.15mm/0.866in	22.15mm/0.872in
Height (mm/in, max)	3.58mm/0.141in	3.58mm/0.141in	2.23mm/0.088in	2.23mm/0.088in
Weight (g/lb)	10.6g/0.023lb	10.0g/0.022lb	8.1g/0.017lb	7.7g/0.016lb

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.7.0.0 x64 on Windows 10 host with PCIe Gen4 motherboard.

² Rescue Data Recovery Services not available in all countries.



Specifications				
Retail Packaging	Product Dimensions	Box Dimensions	Master Carton Dimensions	Pallet Dimensions
Length (in/mm)	—	5.285in/134.25mm	5.079in/129mm	47.992in/1219mm
Width (in/mm)	—	4.291in/109mm	10.945in/278mm	20in/508mm
Depth (in/mm)	—	0.945in/24mm	6.654in/169mm	27.795in/706mm
Weight (lb/kg)	—	0.137lb/0.062kg	2.028lb/0.92kg	104.808lb/47.54kg
Quantities				
Boxes per Master Carton	10			
Master Cartons per Pallet	48			
Pallet Layers	4			

System Requirements	What's Included
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- M.2 (M key) slot, PCIe® G4 x4 interface (backwards compatible with PCIe G3 interface)
- Windows® 10
- Linux
- Seagate® FireCuda® 530 SSD

Region	Model Number	Capacity	Limited Warranty (years)	UPC Code	EAN Code	Multi-Pack UPC
WW	ZP500GM3A013	500GB	5	763649161746	8719706420419	10763649161743
WW	ZP1000GM3A013	1TB	5	763649161753	8719706420426	10763649161750
WW	ZP2000GM3A013	2TB	5	763649161760	8719706420433	10763649161767
WW	ZP4000GM3A013	4TB	5	763649161777	8719706420440	10763649161774

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