DATA SHEET

Explosive Speed. Absolute Domination.

FireCuda 530 SSD

Blistering performance and unrivalled endurance — Seagate® FireCuda® 530 redefines *speed* — up to 7,300 MB/s catalyses 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.

COMPATIBLE WITH PS5

Best-Fit Applications

- High-performance gaming desktops
- Creative professional systems

Rescue DATA RECOVERY SERVICES

Key Advantages

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

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

Plug and Play Expansion for PS5 Compatible with PS5 consoles and meets PS5 performance and dimension specs for an ultra fast expansion solution.[1].

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 SSD NAND to provide the most advanced speed and durability.

Endurance Unleashed. Up to 5,100 TB TBW means you can write and delete 70% of the drive capacity, every day, for five years.

Considerable Capacity. Up to 4 TB capacities keeps your gaming library at your fingertips and your creative content rendering.

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

Rescue Services. Three years of Rescue Data Recovery Services[2], offering an industry-leading 95% success rate against unexpected data loss.

1 Using an M.2 SSD with your PS5 console requires effective heat dissipation with a cooling structure, such as a heatsink and a heat transfer sheet.

2 Rescue Data Recovery Services not available in all countries.

FIRECUDA™

Specifications	4 TB	2 TB	1 TB	500GB
Standard Model	ZP4000GM30013	ZP2000GM30013	ZP1000GM30013	ZP500GM30013
Interface	PCIe® Gen4 ×4 NVMe 1.4	PCIe Gen4 ×4 NVMe 1.4	PCIe Gen4 ×4 NVMe 1.4	PCIe Gen4 ×4 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]	7,250	7,300	7,300	7,000
Sequential Write (Max, MB/s), 128KB[2]	6,900	6,900	6,000	3,000
Random Read (Max, IOPS), 4 KB QD32 T8[2]	1,000,000	1,000,000	800,000	400,000
Random Write (Max, IOPS), 4 KB 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)	8.6	7.8	6.3	6
Idle Power PS3, Average (mW)	30	25	20	15
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, Non-operating (°C)	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C
Shock, Non-operating: 0.5 ms (Gs)	1,500	1,500	1,500	1,500
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)	3.156 in	3.156 in	3.156 in	3.156 in
Width (mm/in, max)	22.15 mm/0.872 in	22.15 mm/0.872 in	22.15 mm/0.866 in	22.15 mm/0.872 in
Height (mm/in, max)	3.58 mm/0.141 in	3.58 mm/0.141 in	2.23 mm/0.088 in	2.23 mm/0.088 in
Weight (lb/g)	10.6 g/0.023 lb	10 g/0.022 lb	8.1 g/0.017 lb	7.7 g/0.016 lb

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 ×64 on Windows 10 host with PCIe Gen4 motherboard.
2 Rescue Data Recovery Services not available in all countries.

FIRECUDA™

Specifications			
Retail Packaging	Box Dimensions	Master Carton Dimensions	Pallet Dimensions
Length (in/mm)	5.285 in/134.25 mm	5.079 in/129 mm	47.992 in/1,219 mm
Width (in/mm)	4.291 in/109 mm	10.945 in/278 mm	20 in/508 mm
Depth (in/mm)	0.945 in/24 mm	6.654 in/169 mm	27.795 in/706 mm
Weight (lb/kg)	0.137 lb/0.062 kg	2.028 lb/0.92 kg	104.808 lb/47.54 kg
Quantities			
Boxes per Master Carton	10		
Master Cartons per Pallet	48		
Pallet Layers	4		

System Requirements

- M.2 (M key) slot, PCIe® G4 ×4 interface (backwards compatible with PCIe G3 interface)
- Windows® 10
- Linux

What's Included

- 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	1 TB	5	763649161753	8719706420426	10763649161750
WW	ZP2000GM3A013	2 TB	5	763649161760	8719706420433	10763649161767
WW	ZP4000GM3A013	4 TB	5	763649161777	8719706420440	10763649161774

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