SEAGATE GAMING

FIRECUDA
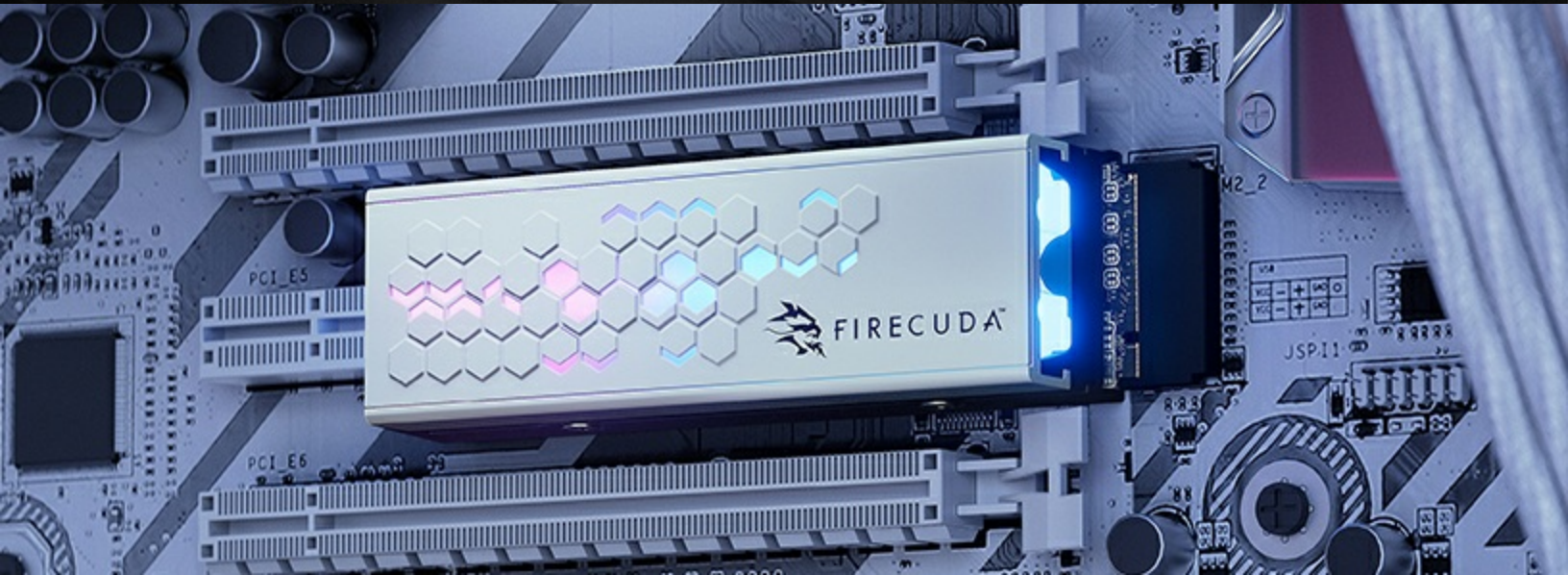
FireCuda 540 SSD Heatsink

Waste No Time

Performance has a new name—FireCuda 540 SSD Heatsink. With speeds up to 10,000MB/s, this PCIe Gen5 takes no-prisoners. Our special design lets you swap between black or white faceplates, while a custom heatsink helps dissipate heat and reduce thermal throttling. And it can handle upwards of 2,000TB total bytes written. This SSD isn't for the faint of heart.

Key Features

Swappable Design
This uniquely designed drive lets you swap between black or white faceplates—choose the one that compliments your PC build best.

Faster. Faster. Faster.
Transfer speeds up to 50% faster than PCIe Gen4 NVMe SSDs and up to 17× faster than SATA SSDs.

Built to Last
Up to 2,000 TBW means you can rewrite 1TB of data every day, for five years (based on 2TB capacity).

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FIRECUDA 540 SSD HEATSINK

Ready to Roll
Plug-and-play compatibility with most PCIe Gen5 motherboards and backwards compatible with PCIe Gen4.

Cool Speeds Ahead
Includes custom built heatsink that helps minimize thermal throttling and maintain peak performance for longer periods of time.

Warranty
Enjoy long-term peace of mind with three years of Rescue Data Recovery Services and a five-year limited warranty.

RETAIL PACKAGING	BOX DIMENSIONS	MASTER CARTON DIMENSIONS	PALLET DIMENSIONS
Length (in/mm)	6.102in/ 155mm	5.079in/129mm	47.992in/1219mm
Width (in/mm)	4.291in/109mm	6.968in/177mm	40in/1016mm
Depth (in/mm)	1.102in/28mm	5.63in/143mm	44.685in/1135mm
Weight (lb/kg)	0.353lb/0.16kg	4.057lb/1.84kg	609.578lb/276.5kg

QUANTITIES	
Boxes per Master Carton	10
Master Cartons per Pallet	140
Pallet Layers	7

SYSTEM REQUIREMENTS

- M.2 (M key) slot, PCIe® G5 ×4 interface (backwards compatible with PCIe G4 interface)
- Windows® 10, Windows 11
- Linux
- Motherboard with 5V addressable header (for RGB LED light functionality)

WHAT'S INCLUDED

- FireCuda 540 SSD with heatsink
- Swappable black and white faceplates
- RGB LED connector cable 50cm
- Quick start guide

REGION	MODEL NUMBER	CAPACITY	LIMITED WARRANTY (YEARS)	UPC CODE	EAN CODE	MULTI-PACK UPC
WW	ZP1000GM3A014	1TB	5	763649177464	8719706433082	10763649177461
WW	ZP2000GM3A014	2TB	5	763649177471	8719706433099	10763649177478

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SPECIFICATIONS	2TB	1TB
Standard Model	ZP2000GM30014	ZP1000GM30014
Interface	PCIe Gen5 ×4 NVMe 2.0	PCIe Gen5 ×4 NVMe 2.0
NAND Flash Memory	3D TLC	3D TLC
Form Factor	M.2 2280 with heatsink [1]	M.2 2280 with heatsink [1]
PERFORMANCE		
Sequential Read (Max, MB/s), 1MB [2]	10,000	9500
Sequential Write (Max, MB/s), 1MB [2]	10,000	8500
Random Read (Max, IOPS), 4KB QD32 T8 [2]	1,490,000	1,300,000
Random Write (Max, IOPS), 4KB QD32 T8 [2]	1,500,000	1,500,000
ENDURANCE/RELIABILITY		
Total Bytes Written (TB)	2000	1000
Mean Time Between Failures (MTBF, hours)	1,800,000	1,800,000
Rescue Data Recovery Services (years) [3]	3	3
Warranty, Limited (years)	5	5
POWER MANAGEMENT		
Active Power, Average (W)	11	10
Idle Power PS3, Average (mW)	144	144
ENVIRONMENTAL		
Temperature, Operating Internal (°C)	0°C – 70°C	0°C – 70°C
Temperature, Nonoperating (°C)	-40°C – 85°C	-40°C – 85°C
Shock, Nonoperating: 0.5ms (Gs)	1500Gs	1500Gs
SPECIAL FEATURES		
TRIM	Yes	Yes
S.M.A.R.T.	Yes	Yes
SED TCG Opal 2.01	Yes	Yes
RoHS Compliance	Yes	Yes
PHYSICAL		
Length (mm/in, max)	80.15mm/3.155in	80.15mm/3.155in
Width (mm/in, max)	24.35mm/0.958in	24.35mm/0.958in
Height (mm/in, max)	20.29mm/0.798in	20.29mm/0.798in
Weight (g/lb)	66.3g/0.146lb	66.3g/0.146lb

1 Please verify that your system provides enough space for installation. The FireCuda 540 with heatsink exceeds dimensions of a standard M.2 2280 form factor. Heatsink is pre-installed and should not be removed as it can damage the SSD.
2 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.8.0.4 ×64 on Windows 11 host with PCIe Gen5 motherboard.
3 Rescue Data Recovery Services not available in all countries.

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