

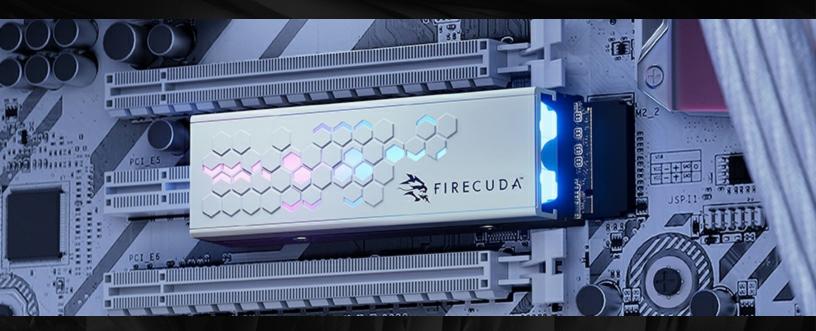




# FireCuda 540 SSD **Heatsink**

### **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

swap between black or white faceplates—choose the one that compliments your PC build best.

### Faster. Faster. Faster.

This uniquely designed drive lets you 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).



**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 DIMEN	ISIONS	MASTER CARTON DIMENSIONS	PALLET DIMENSIONS
Length (in/mm)	6.102in/ 1	55mm	5.079in/129mm	47.992in/1219mm
Width (in/mm)	4.291in/10	09mm	6.968in/177mm	40in/1016mm
Depth (in/mm)	1.102in/2	8mm	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<sup>®</sup> 10, Windows 11

- 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

SPECIFICATIONS	2ТВ	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 <sup>1</sup>	M.2 2280 with heatsink <sup>1</sup>		
PERFORMANCE				
Sequential Read (Max, MB/s), 1MB <sup>2</sup>	10,000	9500		
Sequential Write (Max, MB/s), 1MB <sup>2</sup>	10,000	8500		
Random Read (Max, IOPS), 4KB QD32 T8 <sup>2</sup>	1,490,000	1,300,000		
Random Write (Max, IOPS), 4KB QD32 T8 <sup>2</sup>	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) <sup>3</sup>	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		

<sup>1</sup> 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.

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<sup>2</sup> 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.

<sup>3</sup> Rescue Data Recovery Services not available in all countries.