





## FireCuda 540 SSD

#### **Waste No Time**

Performance has a new name — FireCuda 540 SSD. With speeds up to 10,000 MB/s, this PCIe Gen5 takes no-prisoners, toppling Gen4 speeds by 50% and going 17 times faster than SATA SSDs. DirectStorage API brings faster load times to games and applications. Plus, handles upwards of 2000 TB total bytes written, perfect for powering through constant abuse. This SSD isn't for the faint of heart.



# **Key Features**

## **Full Tilt Speeds**

Our PCIe Gen5 interface brings performance of up to 10,000 MB/s and 1.5M IOPS optimised for DirectStorage PC games.

## 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 TB TBW means you can rewrite up to 1 TB of data every day, for five years (based on 2 TB capacity).



**FIRECUDA 540 SSD** 

## **Ready to Roll**

Plug-and-play compatibility with most PCle Gen5 motherboards and backwards compatible with PCle Gen4.

## Game and Create Like a Pro

DirectStorage support brings faster load times to compatible PC games and applications.

## 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)	6.102 in/155 mm	11.496 in/292 mm	48.031 in/1220 mm
Width (in/mm)	4.291 in/109 mm	6.024 in/153 mm	40 in/1016 mm
Depth (in/mm)	0.945 in/24 mm	5.512 in/140 mm	44.764 in/1137 mm
Weight (lb/kg)	0.154 lb/0.07 kg	2.138 lb/0.97 kg	396.832 lb/180 kg
QUANTITIES			
Boxes per Master Carton	10		
Master Cartons per Pallet	168		
Pallet Layers	7		

#### SYSTEM REQUIREMENTS

M.2 (M key) slot, PCIe<sup>®</sup> G5 ×4 interface (backwards compatible with PCIe G4

2TB

ZP2000GM3A004

- Windows ® 11, Windows 10
- Linux

WW

Linax						
REGION	MODEL NUMBER	CAPACITY	LIMITED WARRANTY (YEARS)	UPC CODE	EAN CODE	MULTI-PACK UPC
WW	ZP1000GM3A004	1TB	5	763649174623	8719706430876	10763649174620

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WHAT'S INCLUDED

Seagate<sup>®</sup> FireCuda<sup>®</sup> 540 SSD

763649174630

8719706430883

10763649174637

SPECIFICATIONS	2TB	1TB		
Standard Model	ZP2000GM30004	ZP1000GM30004		
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-D2	M.2 2280-D2		
PERFORMANCE				
Sequential Read (Max, MB/s), 1 MB <sup>1</sup>	10,000	9,500		
Sequential Write (Max, MB/s), 1 MB <sup>1</sup>	10,000	8,500		
Random Read (Max, IOPS), 4 KB QD32 T8 <sup>1</sup>	1,490,000	1,300,000		
Random Write (Max, IOPS), 4KB QD32 T8 <sup>1</sup>	1,500,000	1,500,000		
ENDURANCE/RELIABILITY				
Total Bytes Written (TB)	2,000	1,000		
Mean Time Between Failures (MTBF, hours)	1800000 hr	1800000 hr		
Rescue Data Recovery Services (years) <sup>2</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)	1500 Gs	1500 Gs		
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)	80.15 mm/3.155 in	3.155 in 80.15 mm/3.155 in		
Width (mm/in, max)	22.15 mm/0.872 in	22.15 mm/0.872 in		
Height (mm/in, max)	3.58 mm/0.140 in	3.58 mm/0.140 in		
Weight (g/lb)	7.4 g/0.016 lb	7.4 g/0.016 lb		

<sup>1</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 PCle Gen5 motherboard. Must have a heatsink for optimal performance, active heatsink recommended.

2 Rescue Data Recovery Services not available in all countries.

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