



FIRECUDA

🔊 SEAGATE

FireCuda 540 SSD

Waste No Time

Performance has a new name—FireCuda 540 SSD. With speeds up to 10,000MB/s, this PCIe Gen5 takes noprisoners, 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 2000TB total bytes written, perfect for powering through constant abuse. This SSD isn't for the faint of heart.



19163

540 Series

PCIe Gen5 SSD

Key Features

Full Tilt Speeds

Our PCIe Gen5 interface brings performance of up to 10,000MB/s and 1.5M IOPS optimized 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 2000TB TBW means you can rewrite up to 1TB of data every day, for five years (based on 2TB capacity).

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Ready to Roll

Plug-and-play compatibility with most PCIe Gen5 motherboards and backwards compatible with PCIe 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 DIMENSION	NS MASTE	ER CARTON DIMENSIONS	PALLE	T DIMENSIONS	
Length (in/mm)		6.102in/155mm		11.496in/292mm	48.0	31in/1220mm	
Width (in/mm)		4.291in/109mm		6.024in/153mm	40)in/1016mm	
Depth (in/mm)		0.945in/24mm		5.512in/140mm	44.7	64in/1137mm	
Weight (lb/kg)		0.154lb/0.07kg		2.138lb/0.97kg	396	396.832lb/180kg	
QUANTITIES							
Boxes per Master Carto	on 10						
Master Cartons per Palle	let 168						
Pallet Layers	7						
A 18 18 19 18						MA AIT	
SYSTEM REQUIREMENTS				WHAT'S INCLUDED			
 M.2 (M key) slot, I interface) Windows[®] 11, Wi Linux 	PCle [®] G5 ×4 interface (backw indows 10	vards compatible with	PCle G4 • Seagate	9 [®] FireCuda [®] 540 SSD			
REGION	MODEL NUMBER	CAPACITY	LIMITED WARRANTY (YEARS)	UPC CODE	EAN CODE	MULTI-PACK UPC	
WW	ZP1000GM3A004	1TB	5	763649174623	8719706430876	10763649174620	
ww	ZP2000GM3A004	2TB	5	763649174630	8719706430883	10763649174637	

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SPECIFICATIONS	2TB	1TB		
Standard Model	ZP2000GM30004	ZP1000GM30004		
Interface	PCIe Gen5 ×4 NVMe 2.0	PCle 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), 1MB ¹	10.000	9500		
Sequential Write (Max, MB/s), 1MB ¹	10.000	8500		
Random Read (Max, IOPS), 4KB QD32 T8 ¹	1,490,000	1,300,000		
Random Write (Max, IOPS), 4KB QD32 T8 ¹	1,500,000	1,500,000		
ENDURANCE/RELIABILITY				
Total Bytes Written (TB)	2000	1000		
Mean Time Between Failures (MTBF, hours)	1800000hr	1800000hr		
Rescue Data Recovery Services (years) ²	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)	22.15mm/0.872in	22.15mm/0.872in		
Height (mm/in, max)	3.58mm/0.140in	3.58mm/0.140in		
Weight (g/lb)	7.4g/0.016lb	7.4g/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.8.0.4 ×64 on Windows 11 host with PCIe 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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