

Usher in a new era of domination.



Seagate FireCuda 530R SSD

Usher in a new era of domination.

FireCuda 530R SSD, the latest evolution of our best-selling PCIe Gen4 SSD, unleashes ultra-fast speeds, extreme durability and unrivalled performance. With leading-edge components in a slim M.2 2280 form factor, it's ideal for pro-level gamers and creators. FireCuda 530R SSD supports Microsoft™ DirectStorage for seamless gaming, and is available in 1 TB, 2 TB or 4 TB capacities.



Key Features

Peak Performance

Level up with ultra-fast PCIe Gen4 SSD speeds for accelerated gaming and content creation

Easy Gaming

Supports Microsoft's DirectStorage technology for faster load times.

Tough Stuff

Extremely durable, with endurance of up to 5,050 TBW

Usher in a new era of domination.



SEAGATE FIRECUDA 530R SSD

Inside & Out

Built with leading edge components including the Seagate validated E18 controller, all in a slim M.2 2280 form factor

High Capacity

Choose from 1 TB, 2 TB, or 4 TB capacity options for all your gaming needs

No worries

Backed by 5-year warranty, 3-years Rescue Services¹, and SeaTools 5 support

1 Rescue Data Recovery Services not available in all countries.



RETAIL PACKAGING	BOX DIMENSIONS	MASTER CARTON DIMENSIONS	PALLET DIMENSIONS
Length (in/mm)	6.102 in/155 mm	11.496 in/292 mm	47.992 in/1219 mm
Width (in/mm)	4.291 in/109 mm	6.024 in/153 mm	20 in/508 mm
Depth (in/mm)	0.945 in/24 mm	5.512 in/140 mm	27.795 in/706 mm
Weight (lb/kg)	0.154 lb/0.07 kg	2.138 lb/0.97 kg	105.822 lb/48 kg

QUANTITIES	
Boxes per Master Carton	10
Master Cartons per Pallet	48
Pallet Layers	4

SYSTEM REQUIREMENTS	WHAT'S INCLUDED
<ul style="list-style-type: none">M.2 (M key) slot, PCIe[®] G4 x4 interface (backwards compatible with PCIe G3 interface)Windows[®] 11, Windows 10Linux	<ul style="list-style-type: none">Seagate[®] FireCuda[®] 530 SSD

REGION	MODEL NUMBER	CAPACITY	LIMITED WARRANTY (YEARS)	UPC CODE	EAN CODE	MULTI-PACK UPC
WW	ZP1000GM3A063	1000GB	5	763649183083	8719706437691	10763649183080
WW	ZP2000GM3A063	2000GB	5	763649183090	8719706437707	10763649183097
WW	ZP4000GM3A063	4000GB	5	763649183106	8719706437714	10763649183103

Usher in a new era of domination.

SEAGATE FIRECUDA 530R SSD

SPECIFICATIONS		FIRECUDA 530R SSD		
Capacity	4TB	2TB	1TB	
Standard Model	ZP4000GM30063	ZP2000GM30063	ZP1000GM30063	
Interface	PCIe Gen4 x4 NVMe 1.4	PCIe Gen4 x4 NVMe 1.4	PCIe Gen4 x4 NVMe 1.4	
NAND Flash Memory	3D TLC	3D TLC	3D TLC	
Form Factor	M.2 2280-D2	M.2 2280-D2	M.2 2280-D2	
PERFORMANCE				
Sequential Read (Max, MB/s), 128 KB ¹	7,400	7,400	7,400	
Sequential Write (Max, MB/s), 128 KB ¹	6,800	6,900	7,000	
Random Read (Max, IOPS), 4 KB QD32 T16 ¹	1,300,000	1,300,000	1,300,000	
Random Write (Max, IOPS), 4 KB QD32 T16 ¹	1,300,000	1,300,000	1,300,000	
ENDURANCE/RELIABILITY				
Total Bytes Written (TB)	5,050	2,400	1,100	
Mean Time Between Failures (MTBF, hours)	1,800,000	1,800,000	1,800,000	
Rescue Data Recovery Services (years) ²	3	3	3	
Warranty, Limited (years)	5	5	5	
POWER MANAGEMENT				
Active Power, Average (W)	8.9	8.6	8.3	
Idle Power PS3, Average (mW)	29	28	22	
Low Power L1.2 mode (mW)	<5	<5	<5	
ENVIRONMENTAL				
Temperature, Operating Internal (°C)	0 to 70	0 to 70	0 to 70	
Temperature, Non-operating (°C)	-40 to 85	-40 to 85	-40 to 85	
Shock, Non-operating: 0.5 ms (Gs)	1,500	1,500	1,500	
SPECIAL FEATURES				
TRIM	Yes	Yes	Yes	
S.M.A.R.T.	Yes	Yes	Yes	
RoHS compliance	Yes	Yes	Yes	
PHYSICAL				
Length (mm/in, max)	80.85 mm/3.183 in	80.85 mm/3.183 in	80.85 mm/3.183 in	
Width (mm/in, max)	22.15 mm/0.872 in	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	2.23 mm/0.087 in	
Weight (lb/g)	9.2g/0.020lb	8.8g/0.019lb	7.3g/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.7.0.0 x64 on Windows 10 host with PCIe Gen4 motherboard.

² Rescue Data Recovery Services not available in all countries.

SEAGATE.COM

© 2024 Seagate Technology LLC. All rights reserved. Seagate, Seagate Technology, and the Spiral logo are registered trademarks of Seagate Technology LLC in the United States and/or other countries. FireCuda is either a trademark or registered trademark of Seagate Technology LLC or one of its affiliated companies in the United States and/or other countries. The NVMe word mark and/or NVMeExpress design mark are trademarks of NVMeExpress, Inc. The PCIe word mark and/or PCIeExpress design mark are registered trademarks and/or service marks of PCI-SIG. All other trademarks or registered trademarks are the property of their respective owners. When referring to drive capacity, one gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes. Your computer's operating system may use a different standard of measurement and report a lower capacity. In addition, some of the listed capacity is used for formatting and other functions, and thus will not be available for data storage. Actual data rates may vary depending on operating environment and other factors, such as chosen interface and disk capacity. Seagate reserves the right to change, without notice, product offerings or specifications. DS7.1-2403US