Usher in a new era of domination.

SEAGATE GAMING™

FIRECUDA™

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 1TB, 2TB, or 4TB 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 5,050TBW

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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 1TB, 2TB, or 4TB 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)	6.102in/155mm	11.496in/292mm	47.992in/1219mm
Width (in/mm)	4.291in/109mm	6.024in/153mm	20in/508mm
Depth (in/mm)	0.945in/24mm	5.512in/140mm	27.795in/706mm
Weight (lb/kg)	0.154lb/0.07kg	2.138lb/0.97kg	105.822lb/48kg

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

SYSTEM REQUIREMENTS
- M.2 (M key) slot, PCIe® G4 ×4 interface (backwards compatible with PCIe G3 interface)
- Windows® 11, Windows 10
- Linux

WHAT'S INCLUDED
- Seagate® FireCuda® 530R SSD

REGION	MODEL NUMBER	CAPACITY	LIMITED WARRANTY (YEARS)	UPC CODE	EAN CODE	MULTI-PACK UPC
WW	ZP1000GM3A063	1TB	5	763649183083	8719706437691	10763649183080
WW	ZP2000GM3A063	2TB	5	763649183090	8719706437707	10763649183097
WW	ZP4000GM3A063	4TB	5	763649183106	8719706437714	10763649183103

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SPECIFICATIONS	FIRECUDA 530R SSD WITH HEATSINK		
Capacity	4TB	2TB	1TB
Standard Model	ZP4000GM30063	ZP2000GM30063	ZP1000GM30063
Interface	PCIe Gen4 ×4 NVMe 1.4	PCIe Gen4 ×4 NVMe 1.4	PCIe Gen4 ×4 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), 128KB [1]	7400	7400	7400
Sequential Write (Max, MB/s), 128KB [1]	6800	6900	7000
Random Read (Max, IOPS), 4KB QD32 T16 [1]	1,300,000	1,300,000	1,300,000
Random Write (Max, IOPS), 4KB QD32 T16 [1]	1,300,000	1,300,000	1,300,000
ENDURANCE/RELIABILITY			
Total Bytes Written (TB)	5050	2400	1100
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, Nonoperating (°C)	-40 to 85	-40 to 85	-40 to 85
Shock, Nonoperating: 0.5ms (Gs)	1500	1500	1500
SPECIAL FEATURES			
TRIM	Yes	Yes	Yes
S.M.A.R.T.	Yes	Yes	Yes
RoHS Compliance	Yes	Yes	Yes
PHYSICAL			
Length (mm/in, max)	80.15mm/3.155in	80.15mm/3.155in	80.15mm/3.155in
Width (mm/in, max)	22.15mm/0.872in	22.15mm/0.872in	22.15mm/0.872in
Height (mm/in, max)	3.58mm/0.140in	3.58mm/0.140in	2.23mm/0.087in
Weight (g/lb)	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 ×64 on Windows 10 host with PCIe Gen4 motherboard.
2 Rescue Data Recovery Services not available in all countries.

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