

DATA SHEET

Plug into power.



Next-gen performance for everyday and elite computing.

Accelerate your laptop or desktop computing to PCIe Gen5 NVMe performance with the reliable, versatile, and efficient BarraCuda 540 SSD. With speeds up to 10GB/s, capacities up to 4TB, and low power consumption BarraCuda 540 SSD is ideal for personal or pro computing. Plus, legendary BarraCuda dependability and a 3-year warranty give you all the peace-of-mind you need.



Key Advantages

- Boost productivity with PCIe Gen5 NVMe speeds up to 10GB/s for responsive multitasking, quick file transfers, faster boot times and application loading speeds.
 - Maximize your productivity without extreme heat and excessive power consumption.
 - Peace-of-mind with a dependable 3-year warranty, up to 2400TB of TBW (Total Bytes Written) and 1.8M hours MTBF, plus legendary BarraCuda reliability.
 - Seagate stamped to ensure quality, reliability, and support you can trust.
 - Available in 1024GB, 2048GB, and 4096GB storage capacities to accommodate growing data needs.
 - Ideal for laptops, mini PCs and desktop PCs thanks to its compact M.2 2280 form factor with PCIe Gen5 x4 interface.
 - Be in control of your SSD with Seagate SeaTools software. Monitor your SSD's health, check SMART attributes, and more.
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Specifications	4096GB	2048GB	1024GB
Standard Model	ZP4096CM30004	ZP2048CM30004	ZP1024CM30004
Interface	PCIe Gen5 x4 NVMe 2.0	PCIe Gen5 x4 NVMe 2.0	PCIe Gen5 x4 NVMe 2.0
Form Factor	M.2 2280-S3	M.2 2280-S3	M.2 2280-S3
Performance			
Sequential Read (Max, MB/s), 128KB ¹	9,200	10,300	10,200
Sequential Write (Max, MB/s), 128KB ¹	7,900	8,600	8,300
Endurance/Reliability			
Total Bytes Written (TB)	2,400	1,200	600
Mean Time Between Failures (MTBF, hours)	1,800,000	1,800,000	1,800,000
Warranty, Limited (years)	3	3	3
Power Management			
Active Power, Max. Average (W)	5.9	5.9	5.9
Idle Power PS3, Average (mW)	50	50	50
Low Power PS4 (mW)	3.5	3.5	3.5
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)	2.38mm/0.093in	2.38mm/0.093in	2.38mm/0.093in
Weight (g/lb)	7.5g/0.016lb	7.5g/0.016lb	7.5g/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.8.0.0 x64 on Windows 11 host with PCIe Gen5 motherboard.



Specifications			
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	40in/1016mm
Depth (in/mm)	0.945in/24mm	5.512in/140mm	44.764in/1137mm
Weight (lb/kg)	0.088lb/0.04kg	1.455lb/0.66kg	295.419lb/134kg
Quantities			
Boxes per Master Carton	10		
Master Cartons per Pallet	168		
Pallet Layers	7		

System Requirements	What's Included
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|---|---|
| <ul style="list-style-type: none"> M.2 (M key) slot, PCIe® G5 x4 interface (backwards compatible with PCIe G4 interface) Windows® 11 Linux | <ul style="list-style-type: none"> Seagate® BarraCuda™ 540 SSD |
|---|---|

Region	Ordering Model Number	Capacity	Limited Warranty (years)	UPC Code	EAN Code	Multi-Pack UPC
WW	ZP1024CM3A004	1024GB	3	763649185551	8719706439596	10763649185558
WW	ZP2048CM3A004	2048GB	3	763649185568	8719706439602	10763649185565
WW	ZP4096CM3A004	4096GB	3	763649187432	8719706441117	10763649187439

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