

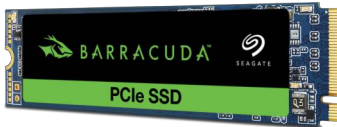
DATA SHEET

Fast. Dependable. Versatile.

BarraCuda PCIe SSD



The Seagate® BarraCuda™ PCIe SSD — legendary storage designed for taking your data to the next level of performance, reliability and efficiency.



Best-Fit Applications

- Laptops
- Desktop PCs and workstations
- All-in-one PCs

Key Advantages

Amazing speed of up to 3,600 MB/s enables accelerated boot-time, file transfers and application loading.

The trusted dependability of the BarraCuda brand with a three-year limited warranty and 1.8 hours MTBF.

Amazing versatility with capacities of 250 GB to 2 TB lets you pick the right drive for the job and budget.

Slim form factor with M.2 2280 for laptops, mini PCs, and desktop PCs.

Low power consumption with up to 5.1W active power and multiple low power modes that make for longer battery life and cooler running speeds.

Migrate and clone data from old drives with ease using the included Seagate DiscWizard™ software tool.

Monitor SSD performance, health, and firmware updates with the included Seagate SeaTools™ software tool.



Specifications	2TB	1TB	500GB	250GB
Standard Model	ZP2000CV30002	ZP1000CV30002	ZP500CV30002	ZP250CV30002
Interface	PCIe Gen4 x4 NVMe 1.4	PCIe Gen4 x4 NVMe 1.4	PCIe Gen4 x4 NVMe 1.4	PCIe Gen4 x4 NVMe 1.4
Form Factor	M.2 2280-D2	M.2 2280-D2	M.2 2280-S2	M.2 2280-S2
Performance				
Sequential Read (Max, MB/s), 128KB ¹	3600MB/s	3600MB/s	3600MB/s	3200MB/s
Sequential Write (Max, MB/s), 128KB ¹	2,750	2,800	2,400	1,300
Endurance/Reliability				
Total Bytes Written (TB)	1,200	600	300	150
Mean Time Between Failures (MTBF, hours)	1800000 hr	1800000 hr	1800000 hr	1800000 hr
Warranty, Limited (years)	3	3	3	3
Power Management				
Active Power, Average (W)	5.1 W	4.8 W	4.8 W	4.5 W
Idle Power PS3, Average (mW)	0.04 W	0.04 W	0.04 W	0.04 W
Low Power L1.2 mode (mW)	5	5	5	5
Environmental				
Temperature, Operating Internal (°C)	0°C – 70°C	0°C – 70°C	0°C – 70°C	0°C – 70°C
Temperature, Non-operating (°C)	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C
Shock, Non-operating: 0.5 ms (Gs)	1500 Gs	1500 Gs	1500 Gs	1500 Gs
Special Features				
TRIM	Yes	Yes	Yes	Yes
S.M.A.R.T.	Yes	Yes	Yes	Yes
Halogen-free	Yes	Yes	Yes	Yes
RoHS compliance	Yes	Yes	Yes	Yes
Physical				
Length (mm/in, max)	80.15 mm/3.155 in	80.15 mm/3.155 in	80.15 mm/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	22.15 mm/0.872 in	22.15 mm/0.872 in
Height (mm/in, max)	3.58 mm/0.141 in	3.58 mm/0.141 in	2.23 mm/0.087 in	2.23 mm/0.087 in
Weight (g/lb)	8g/0.0176 lb	8g/0.0176 lb	8g/0.0176 lb	8g/0.0176 lb

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.6.0.2 x64 on Windows 10 host with PCIe Gen4 motherboard.



Specifications			
Retail Packaging	Box Dimensions	Master Carton Dimensions	Pallet Dimensions
Length (in/mm)	0.512 in/13 mm	6.024 in/153 mm	40 in/1016 mm
Width (in/mm)	5.236 in/133 mm	11.496 in/292 mm	47.992 in/1219 mm
Depth (in/mm)	7.008 in/178 mm	5.512 in/140 mm	45.354 in/1152 mm
Weight (lb/kg)	0.112 lb/0.051 kg	2.866 lb/1.3 kg	288.806 lb/131 kg
Quantities			
Boxes per Master Carton	20		
Master Cartons per Pallet	90		
Pallet Layers	6		

System Requirements	What's Included
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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> M.2 (M key) slot, PCIe® G4 x4 interface (backwards compatible with PCIe G3 interface) Windows® 11 , Windows® 10 Linux | <ul style="list-style-type: none"> Seagate® BarraCuda™ PCIe SSD |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|

Region	Model Number	Capacity	Limited Warranty (years)	UPC Code	EAN Code	Multi-Pack UPC
WW	ZP250CV3A002	250GB	3	763649179222	8719706434577	10763649179229
WW	ZP500CV3A002	500GB	3	763649179239	8719706434584	10763649179236
WW	ZP1000CV3A002	1TB	3	763649179246	8719706434591	10763649179243
WW	ZP2000CV3A002	2TB	3	763649179253	8719706434607	10763649179250

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