



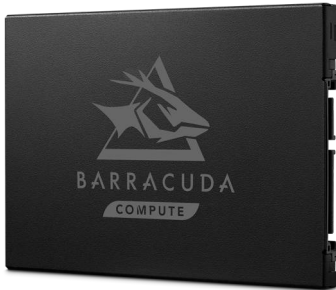
DATA SHEET

Fast. Dependable. Versatile.

Barracuda BC125 SSD



The 2.5-inch SATA SSD, Seagate® BarraCuda™ BC125 SSD, features a next-gen controller combined with the latest 3D TLC NAND technology to provide your PC with increased dependability and speed. It is specifically designed for improved performance, reliability, and efficiency. PC upgrades love our legendary BarraCuda internal drives.



Best-Fit Applications

- Desktops and all-in-one PCs
- Laptops
- Home servers
- Gaming PCs

Key Advantages for System Integrators and Builders

Locked BOM and firmware ensure predictable product and no changes to key components after customer qualification.

Unlock maximum SATA 6Gb/s SSD speeds with 3D TLC NAND that delivers up to 550/500MB/s sequential read/write and up to 61K/86K IOPS random read/write.

Easily upgrade from hard drives with a plug-and-play 2.5-inch, 7mm form factor and SATA interface.

Trust in Seagate's robust 3-year limited warranty and BarraCuda's established dependability.

Achieve endurance and reliability with up to 330TB Total Bytes Written and 1,800,000 hours Mean Time Between Failures.

Seagate has been the industry leader in compute storage for over 40 years, because we're committed to data storage excellence.

Choose from 1TB and 500GB capacities for all your applications, media, files, and more.



Specifications	1TB	500GB
Standard Model	ZA1000MC10001	ZA500MC10001
Interface ¹	SATA 6Gb/s	SATA 6Gb/s
NAND Flash Memory	3D QLC	3D QLC
Form Factor	2.5 in × 7mm	2.5 in × 7mm
Performance		
Sequential Read (Max, MB/s), 128KB ²	550	550
Sequential Write (Max, MB/s), 128KB ²	500	500
Random Read (Max, IOPS), 4KB QD32 ²	61,000	59,000
Random Write (Max, IOPS), 4KB QD32 ²	86,000	81,000
Endurance/Reliability		
Total Bytes Written (TB)	330	165
Mean Time Between Failures (MTBF, hours)	1,800,000	1,800,000
Warranty, Limited (years)	3	3
Power Management		
Active Power, Average (W)	2.1	2.0
Idle Power, Average (mW)	325	320
DevSleep (mW)	4.9	4.9
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)	1500	1500
Special Features		
TRIM	Yes	Yes
S.M.A.R.T.	Yes	Yes
Halogen Free	Yes	Yes
RoHS Compliance	Yes	Yes
Physical		
Height (mm/in, max)	7.10mm/0.279in	7.10mm/0.279in
Width (mm/in, max)	70.10mm/2.759in	70.10mm/2.759in
Depth (mm/in, max)	100.40mm/3.951in	100.40mm/3.951in
Weight (g/lb)	40g/0.088lb	40g/0.088lb
Bulk Pack Specifications		
Carton Unit Quantity	20	20
Cartons Per Pallet/Layer	96 / 48	96 / 48

¹ Backward compatible to SATA 3Gb/s and SATA 1.5Gb/s

² 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.5.0 x64 with SATA 6Gbps host.

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