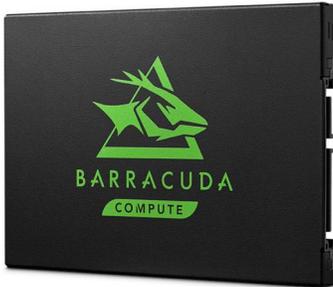# BARRACUDA
COMPUTE

SEAGATE

DATA SHEET

Fast. Dependable. Versatile.
BarraCuda 120 SSD

The 2.5-inch SATA SSD, Seagate® BarraCuda™ 120 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

Unlock maximum SATA 6Gb/s SSD speeds with 3D TLC NAND that delivers up to 560/540MB/s sequential read/write and up to 90K 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 5-year limited warranty and BarraCuda's established dependability.

Achieve endurance and reliability with up to 1170TB 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 multiple capacities (up to 2TB) for all your applications, media, files, and more.

Download our free SeaTools™ SSD software to take advantage of drive performance reporting, S.M.A.R.T. attributes, health monitoring, firmware updates, diagnostics, and managing logs.

Specifications	2TB	1TB	500GB	250GB
Model Number	ZA2000CM10003	ZA1000CM10003	ZA500CM10003	ZA250CM10003
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
NAND Flash Memory	3D TLC	3D TLC	3D TLC	3D TLC
Form Factor	2.5 in × 7mm	2.5 in × 7mm	2.5 in × 7mm	2.5 in × 7mm
Performance				
Sequential Read (Max, MB/s), 128KB[1]	560	560	560	560
Sequential Write (Max, MB/s), 128KB[1]	540	540	540	540
Random Read (Max, IOPS), 4KB QD32[1]	90,000	90,000	90,000	90,000
Random Write (Max, IOPS), 4KB QD32[1]	90,000	90,000	90,000	90,000
Endurance/Reliability				
Total Bytes Written (TB)	1170	600	300	150
Mean Time Between Failures (MTBF, hours)	1,800,000	1,800,000	1,800,000	1,800,000
Warranty, Limited (years)	5	5	5	5
Power Management				
Active Power, Average (W)	2.8	2.7	2.5	2.5
Idle Power, Average (mW)	128	120	115	116
DevSleep (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, Nonoperating (°C)	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C
Shock, Nonoperating: 0.5ms (Gs)	1500	1500	1500	1500
Physical				
Height (mm/in, max)	7.10mm/0.279in	7.10mm/0.279in	7.10mm/0.279in	7.10mm/0.279in
Width (mm/in, max)	70.10mm/2.759in	70.10mm/2.759in	70.10mm/2.759in	70.10mm/2.759in
Depth (mm/in, max)	100.35mm/3.951in	100.35mm/3.951in	100.35mm/3.951in	100.35mm/3.951in
Weight (g/lb)	50g/0.110lb	50g/0.110lb	50g/0.110lb	50g/0.110lb
Bulk Pack Specifications				
Carton Unit Quantity	20	20	20	20
Cartons Per Pallet/Layer	84 / 12	84 / 12	84 / 12	84 / 12
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

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.6.0.0 ×64 on Windows 10 host.

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Specifications

Retail Packaging	Product Dimensions	Box Dimensions	Master Carton Dimensions	Pallet Dimensions
Length (in/mm)	—	0.945in/24mm	6.024in/153mm	47.992in/1219mm
Width (in/mm)	—	4.291in/109mm	11.496in/292mm	20in/508mm
Depth (in/mm)	—	6.102in/155mm	5.512in/140mm	27.795in/706mm
Weight (lb/kg)	—	0.22lb/0.1kg	2.646lb/1.2kg	130.734lb/59.3kg
Quantities				
Boxes per Master Carton	10			
Master Cartons per Pallet	48			
Pallet Layers	4			

System Requirements

- SATA 6Gb/s or SATA 3Gb/s port
- Windows® 10, Windows 8.1 or Windows 7
- Linux

What's Included

- Seagate® BarraCuda™ 120 SSD

Region	Model Number	Capacity	Limited Warranty (years)	UPC Code	EAN Code	Multi-Pack UPC
WW	ZA250CM1A003	250GB	5	763649139288	8719706020855	10763649139285
WW	ZA500CM1A003	500GB	5	763649139295	8719706020862	10763649139292
WW	ZA1000CM1A003	1TB	5	763649139301	8719706020879	10763649139308
WW	ZA2000CM1A003	2TB	5	763649139318	8719706020886	10763649139315

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