BARRACUDA
COMPUTE

SEAGATE

Fast. Dependable. Versatile.
BarraCuda SSD

Seagate brings over 20 years of trusted performance and reliability to the Seagate® BarraCuda® SSD.

Best-Fit Applications

- Desktop or all-in-one PCs
- Laptops
- Home servers

Key Advantages

Soar to new heights of performance with Seagate BarraCuda SSD providing maximum sequential read and write speeds, reaching 560/540MB/s.

Unmatched Dependability–the new Seagate® BarraCuda® SSD is a cost-effective way to handle all your PC needs—working, playing, storing your movies and music, and more.

Amazing versatility with spacious capacity options up to 2TB lets you stay in the flow no matter how much heavy lifting and multitasking is on your plate.

SATA 6Gb/s interface for optimal performance and compatibility with your PC or laptop.

Specifications	2TB	1TB	500GB	250GB
Product ST Model Number	ZA2000CM10002	ZA1000CM10002	ZA500CM10002	ZA250CM10002
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[1,2]	560	560	560	560
Sequential Write (Max, MB/s), 128KB[1,2]	540	540	535	530
Random Read (Max, IOPS), 4KB QD32[1,2]	90,000	90,000	90,000	90,000
Random Write (Max, IOPS), 4KB QD32[1,2]	90,000	90,000	90,000	90,000
Endurance/Reliability				
Total Bytes Written (TB)	1067	485	249	120
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)	3.1	2.8	2.6	2.6
Idle Power, Average (mW)	225	221	192	185
DevSleep (mW)	5	5	5	5
Environmental				
Temperature, Operating Internal (°C)	0 to 70	0 to 70	0 to 70	0 to 70
Temperature, Nonoperating (°C)	−40 to 85	−40 to 85	−40 to 85	−40 to 85
Shock, Nonoperating: 0.5ms (Gs)	1500	1500	1500	1500
Physical				
Height (mm)	7.00	7.00	7.00	7.00
Width (mm)	69.85	69.85	69.85	69.85
Depth (mm)	100.00	100.00	100.00	100.00
Weight (g)	50	50	50	50
Bulk Pack Specifications				
Carton Unit Quantity	20	20	20	20
Cartons Per Pallet/Layer	96 / 48	96 / 48	96 / 48	96 / 48
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.

2 Performance based on CrystalDiskMark v.5.2.1 ×64 on Windows 10 host.

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Ordering Information				
Specifications				
Retail Packaging	Product Dimensions	Box Dimensions	Master Carton Dimensions	Pallet Dimensions
Depth/Length (in/mm)	3.937in/100mm	0.944in/24mm	6.023in/153mm	47.244in/1200mm
Width (in/mm)	2.75in/69.85mm	4.291in/109mm	11.496in/292mm	39.37in/1000mm
Height (in/mm)	0.276in/7mm	6.102in/155mm	5.511in/140mm	51.968in/1320mm
Weight (lb/kg)	0.11lb/0.05kg	0.22lb/0.1kg	2.645lb/1.2kg	615.090lb/279kg
Quantities				
Boxes per Master Carton	10			
Master Cartons per Pallet	216			
Pallet Layers	9			

System Requirements

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

What's Included

- Seagate® BarraCuda® SSD

Retail Pack ST Model Information						
Region	Model Number	Capacity	Limited Warranty (years)	UPC Code	EAN Code	Multi-Pack UPC
WW	ZA250CM1A002	250GB	5	763649137840	8719706019682	10763649137847
WW	ZA500CM1A002	500GB	5	763649137857	8719706019699	10763649137854
WW	ZA1000CM1A002	1TB	5	763649137864	8719706019705	10763649137861
WW	ZA2000CM1A002	2TB	5	763649137871	8719706019712	10763649137878

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