

Upgrade your drive. Accomplish more. Easily upgrade to SSD speeds.



BarraCuda SATA SSD

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Seagate® BarraCuda™ SATA SSD brings fast SSD speeds to your PC upgrade. Improve performance and faster processing with sequential read/writes of up to 540/510 MB/s. Enjoy an easy plug-and-play upgrade with a slim 2.5x7mm form factor and SATA 6 Gb/s connection. This drive includes Seagate DiscWizard™ software to migrate data and SeaTools™ software to monitor performance.



Key Features

Upgrade Your Speed

Leverage a SATA SSD that provides up to 20× faster speeds than hard drives and harness high sequential read/write speeds (up to 540/510 MB/s) for more responsive downloads, installs and multitasking.

Easy plug-and-play

Upgrade from hard drives with universal plug-and-play compatibility to any SATA connection.

Low active power requirements

Extend the battery life of your laptop with low active power requirements of up to 1.4W.

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Durable for the long run

Improve durability over the long haul with up to 1,200 TB TBW (Total Bytes Written), shock and vibration resistance, and rely on a robust 3-year limited warranty and 1.8M hours mean time between failures (MTBF).

Rely on DiscWizard and SeaTools

Migrate and clone data from previous drive using free Seagate DiscWizard™ software. Monitor drive health, performance, and firmware updates with free Seagate SeaTools™ software.



RETAIL PACKAGING	BOX DIMENSIONS	MASTER CARTON DIMENSIONS	PALLET DIMENSIONS
Length (in/mm)	0.555 in/14.1 mm	7.717 in/196 mm	48.031 in/1220 mm
Width (in/mm)	5.236 in/133 mm	12.126 in/308 mm	20 in/508 mm
Depth (in/mm)	7.008 in/178 mm	6.339 in/161 mm	37.283 in/947 mm
Weight (lb/kg)	0.159 lb/0.072 kg	3.968 lb/1.8 kg	131.396 lb/59.6 kg

QUANTITIES	
Boxes per Master Carton	20
Master Cartons per Pallet	30
Pallet Layers	5

SYSTEM REQUIREMENTS	WHAT'S INCLUDED
• SATA 6 Gb/s or SATA 3 Gb/s port • Windows® 11, Windows 10 • Linux	• Seagate® BarraCuda™ SATA SSD

REGION	MODEL NUMBER	CAPACITY	LIMITED WARRANTY (YEARS)	UPC CODE	EAN CODE	MULTI-PACK UPC
WW	ZA240CV1A002	240GB	3	763649178720	8719706434119	10763649178727
WW	ZA256CV1A002	256GB	3	763649179017	8719706434386	10763649179014
WW	ZA480CV1A002	480GB	3	763649178737	8719706434126	10763649178734
WW	ZA512CV1A002	512GB	3	763649179024	8719706434393	10763649179021
WW	ZA960CV1A002	960GB	3	763649178744	8719706434133	10763649178741
WW	ZA1024CV1A002	1024GB	3	763649181645	8719706436632	10763649181642
WW	ZA1920CV1A002	1920GB	3	763649178751	8719706434140	10763649178758
WW	ZA2048CV1A002	2048GB	3	763649181652	8719706436649	10763649181659
WW	ZA3840CV1A002	3840GB	3	763649178782	8719706434164	10763649178789

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SPECIFICATIONS	3840GB	2048GB	1920GB	1024GB	960GB
Standard Model	ZA3840CV10002	ZA2048CV10002	ZA1920CV10002	ZA1024CV10002	ZA960CV10002
Interface ¹	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
Form Factor	2.5 in × 7 mm	2.5 in × 7 mm	2.5 in × 7 mm	2.5 in × 7 mm	2.5 in × 7 mm
PERFORMANCE					
Sequential Read (Max, MB/s), 128KB ²	540	540	540	540	540
Sequential Write (Max, MB/s), 128KB ²	510	510	510	510	510
ENDURANCE/RELIABILITY					
Total Bytes Written (TB)	1,200	590	600	290	300
Mean Time Between Failures (MTBF, hours)	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000
Warranty, Limited (years)	3	3	3	3	3
POWER MANAGEMENT					
Active Power, Average (W)	1.40	1.35	1.35	1.30	1.30
Idle Power, Average (mW)	250	250	250	250	250
ENVIRONMENTAL					
Temperature, Operating Internal (°C)	0 to 70	0 to 70	0 to 70	0 to 70	0 to 70
Temperature, Non-operating (°C)	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85
Shock, Non-operating: 0.5 ms (Gs)	1,500	1,500	1,500	1,500	1,500
SPECIAL FEATURES					
TRIM	Yes	Yes	Yes	Yes	Yes
S.M.A.R.T.	Yes	Yes	Yes	Yes	Yes
Halogen-free	Yes	Yes	Yes	Yes	Yes
RoHS compliance	Yes	Yes	Yes	Yes	Yes
PHYSICAL					
Length (mm/in, max)	7.10 mm/0.275 in	7.10 mm/0.275 in	7.10 mm/0.275 in	7.10 mm/0.275 in	7.10 mm/0.275 in
Width (mm/in, max)	70.10 mm/2.759 in	70.10 mm/2.759 in	70.10 mm/2.759 in	70.10 mm/2.759 in	70.10 mm/2.759 in
Height (mm/in, max)	100.40 mm/3.953 in	100.40 mm/3.953 in	100.40 mm/3.953 in	100.40 mm/3.953 in	100.40 mm/3.953 in
Weight (lb/g)	35 g/0.077 lb	35 g/0.077 lb	35 g/0.077 lb	35 g/0.077 lb	35 g/0.077 lb

1 Backwards compatible with SATA 3 Gb/s and SATA 1.5 Gb/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.6.0 ×64 on Windows 10 host.

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SPECIFICATIONS	512GB	480GB	256GB	240GB
Standard Model	ZA512CV10002	ZA480CV10002	ZA256CV10002	ZA240CV10002
Interface ¹	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
Form Factor	2.5 in × 7 mm	2.5 in × 7 mm	2.5 in × 7 mm	2.5 in × 7 mm
PERFORMANCE				
Sequential Read (Max, MB/s), 128KB ²	540	540	540	540
Sequential Write (Max, MB/s), 128KB ²	500	500	490	490
ENDURANCE/RELIABILITY				
Total Bytes Written (TB)	160	170	75	80
Mean Time Between Failures (MTBF, hours)	1,800,000	1,800,000	1,800,000	1,800,000
Warranty, Limited (years)	3	3	3	3
POWER MANAGEMENT				
Active Power, Average (W)	1.25	1.25	1.20	1.20
Idle Power, Average (mW)	250	250	250	250
ENVIRONMENTAL				
Temperature, Operating Internal (°C)	0 to 70	0 to 70	0 to 70	0 to 70
Temperature, Non-operating (°C)	-40 to 85	-40 to 85	-40 to 85	-40 to 85
Shock, Non-operating: 0.5 ms (Gs)	1,500	1,500	1,500	1,500
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)	7.10 mm/0.275 in	7.10 mm/0.275 in	7.10 mm/0.275 in	7.10 mm/0.275 in
Width (mm/in, max)	70.10 mm/2.759 in	70.10 mm/2.759 in	70.10 mm/2.759 in	70.10 mm/2.759 in
Height (mm/in, max)	100.40 mm/3.953 in	100.40 mm/3.953 in	100.40 mm/3.953 in	100.40 mm/3.953 in
Weight (lb/g)	35 g/0.077 lb	35 g/0.077 lb	35 g/0.077 lb	35 g/0.077 lb

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