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SEAGATE

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 540/510MB/s. Enjoy an easy plug-and-play upgrade with a slim 2.5x7mm form factor and SATA 6/Gbs 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 540/510MB/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 1200TB 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)	0.555in/14.1mm	7.717in/196mm	48.031in/1220mm
Width (in/mm)	5.236in/133mm	12.126in/308mm	20in/508mm
Depth (in/mm)	7.008in/178mm	6.339in/161mm	37.283in/947mm
Weight (lb/kg)	0.159lb/0.072kg	3.968lb/1.8kg	131.396lb/59.6kg

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

SYSTEM REQUIREMENTS

- SATA 6Gb/s or SATA 3Gb/s port
- Windows® 11, Windows 10
- Linux

WHAT'S INCLUDED

- Seagate® BarraCuda™ SATA SSD

REGION	ORDERING 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	ZA2048CV1A002	2048GB	3	763649181652	8719706436649	10763649181659
WW	ZA3840CV1A002	3840GB	3	763649178782	8719706434164	10763649178789
WW	ZA4096CV1A002	4096GB	3	763649184509	10763649184506	8719706438797

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SPECIFICATIONS	4096GB	3840GB	2048GB	1920GB	1024GB
Standard Model	ZA4096CV10002	ZA3840CV10002	ZA2048CV10002	ZA1920CV10002	ZA1024CV10002
Interface[1]	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
Form Factor	2.5 in × 7mm	2.5 in × 7mm	2.5 in × 7mm	2.5 in × 7mm	2.5 in × 7mm
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)	1190	1,200	590	600	290
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	1.40	1.35	1.35	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, Nonoperating (°C)	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85
Shock, Nonoperating: 0.5ms (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)	7.10mm/0.275in	7.10mm/0.275in	7.10mm/0.275in	7.10mm/0.275in	7.10mm/0.275in
Width (mm/in, max)	70.10mm/2.759in	70.10mm/2.759in	70.10mm/2.759in	70.10mm/2.759in	70.10mm/2.759in
Height (mm/in, max)	100.40mm/3.953in	100.40mm/3.953in	100.40mm/3.953in	100.40mm/3.953in	100.40mm/3.953in
Weight (g/lb)	35g/0.077lb	35g/0.077lb	35g/0.077lb	35g/0.077lb	35g/0.077lb

1 Backwards compatible with 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.6.0 ×64 on Windows 10 host.

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SPECIFICATIONS	960GB	512GB	480GB	256GB	240GB
Standard Model	ZA960CV10002	ZA512CV10002	ZA480CV10002	ZA256CV10002	ZA240CV10002
Interface[1]	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
Form Factor	2.5 in × 7mm	2.5 in × 7mm	2.5 in × 7mm	2.5 in × 7mm	2.5 in × 7mm
PERFORMANCE					
Sequential Read (Max, MB/s), 128KB[2]	540	540	540	540	540
Sequential Write (Max, MB/s), 128KB[2]	510	500	500	490	490
ENDURANCE/RELIABILITY					
Total Bytes Written (TB)	300	160	170	75	80
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)	1.30	1.25	1.25	1.20	1.20
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, Nonoperating (°C)	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85
Shock, Nonoperating: 0.5ms (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)	7.10mm/0.275in	7.10mm/0.275in	7.10mm/0.275in	7.10mm/0.275in	7.10mm/0.275in
Width (mm/in, max)	70.10mm/2.759in	70.10mm/2.759in	70.10mm/2.759in	70.10mm/2.759in	70.10mm/2.759in
Height (mm/in, max)	100.40mm/3.953in	100.40mm/3.953in	100.40mm/3.953in	100.40mm/3.953in	100.40mm/3.953in
Weight (g/lb)	35g/0.077lb	35g/0.077lb	35g/0.077lb	35g/0.077lb	35g/0.077lb

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