

DATA SHEET

Speed. Versatility. Dependability.

# BarraCuda Q1



Improve PC performance with up to 20× faster speeds than hard drives<sup>1</sup>. Seagate® BarraCuda™ Q1 is an internal SATA SSD built with the latest QLC NAND technology. Easily upgrade via universal plug-and-play compatibility, and take advantage of durability with up to 280 TB total bytes written (TBW).



## Best-Fit Applications

- Desktop upgrades
- Laptop upgrades
- Workstation upgrades
- 3.5 HDD or 2.5 HDD swap-out upgrades

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Upgrade to affordable SSD performance with next-gen 3D QLC NAND.

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Leverage a SATA SSD that provides up to 20× faster speeds than hard drives.<sup>1</sup>

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Harness high sequential read/write speeds (up to 550/500 MB/s) for more responsive downloads, installs and multitasking.

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Easily upgrade from hard drives using universal plug-and-play SATA connections.

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Extend the battery life of your laptop with low active power requirements of up to 2.1W.

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Migrate and clone data from old drives with ease using free Seagate DiscWizard™ software tool.

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Benefit from long-term durability with up to 531 TB total bytes written (TBW)

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Migrate and clone data from old drives with ease using free Seagate DiscWizard™

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Monitor SSD performance, health, and firmware updates with free Seagate SeaTools™ SSD software tool.

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Improve durability over the long haul with up to 280 TB total bytes written (TBW)

<sup>1</sup> Based on PCMark8 Storage 2.0 Bandwidth (169.2 MB/s BC Q1 SSD vs 8.34 MB/s HDD). Internal testing.



Specifications	960GB	480GB	240GB
Standard Model	ZA960CV10001	ZA480CV10001	ZA240CV10001
Interface <sup>1</sup>	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
NAND Flash Memory	3D QLC	3D QLC	3D QLC
Form Factor	2.5 in x 7 mm	2.5 in x 7 mm	2.5 in x 7 mm
<b>Performance</b>			
Sequential Read (Max, MB/s), 128 KB <sup>2</sup>	550	550	550
Sequential Write (Max, MB/s), 128 KB <sup>2</sup>	500	500	450
<b>Endurance/Reliability</b>			
Total Bytes Written (TB)	280	110	50
Mean Time Between Failures (MTBF, hours)	1,800,000	1,800,000	1,800,000
Warranty, Limited (years)	3	3	3
<b>Power Management</b>			
Active Power, Average (W)	2.1	2	1.7
Slumber (mW)	23	22	20
<b>Environmental</b>			
Temperature, Operating Internal (°C)	0 to 70	0 to 70	0 to 70
Temperature, Non-operating (°C)	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C
Shock, Non-operating: 0.5 ms (Gs)	1,500	1,500	1,500
<b>Special Features</b>			
TRIM	Yes	Yes	Yes
S.M.A.R.T.	Yes	Yes	Yes
Halogen-free	Yes	Yes	Yes
RoHS compliance	Yes	Yes	Yes
<b>Physical</b>			
Height (mm/in, max)	7.1 mm/0.279 in	7.1 mm/0.279 in	7.1 mm/0.279 in
Width (mm/in, max)	70.1 mm/2.759 in	70.1 mm/2.759 in	70.1 mm/2.759 in
Depth (mm/in, max)	100.4 mm/3.953 in	100.4 mm/3.953 in	100.4 mm/3.953 in
Weight (lb/g)	40 g/0.088 lb	40 g/0.088 lb	40 g/0.088 lb

<sup>1</sup> Backward compatible to SATA 3 Gb/s and SATA 1.5 Gb/s

<sup>2</sup> 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 6 Gb/s host.



Specifications			
Retail Packaging	Box Dimensions	Master Carton Dimensions	Pallet Dimensions
Length (in/mm)	0.555 in/14.1 mm	7.717 in/196 mm	47.992 in/1,219 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
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|---|--|
| <ul style="list-style-type: none"> <li>• SATA 6 Gb/s or SATA 3 Gb/s port</li> <li>• Windows<sup>®</sup> 10, Windows 8.1</li> <li>• Linux</li> </ul> | <ul style="list-style-type: none"> <li>• Seagate<sup>®</sup> BarraCuda<sup>™</sup> Q1 SSD</li> </ul> |
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Region	Model Number	Capacity	Limited Warranty (years)	UPC Code	EAN Code	Multi-Pack UPC
WW	ZA240CV1A001	240GB	3	763649147337	8719706027588	10763649147334
WW	ZA480CV1A001	480GB	3	763649143551	8719706024310	10763649143558
WW	ZA960CV1A001	960GB	3	763649143568	8719706024327	10763649143565

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