

DATA SHEET

Speed. Versatility. Dependability.

BarraCuda Q1



Improve PC performance with up to 20× faster speeds than hard drives¹. 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

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

Leverage a SATA SSD that provides up to 20× faster speeds than hard drives¹.

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

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

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

Migrate and clone data from previous drive using free Seagate DiscWizard™ software.

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

¹ 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
Standard Model	ZA960CV10001	ZA480CV10001
Interface ¹	SATA 6 Gb/s	SATA 6 Gb/s
NAND Flash Memory	3D QLC	3D QLC
Form Factor	2.5 in x 7 mm	2.5 in x 7mm
Performance		
Sequential Read (Max, MB/s), 128KB ²	550	550
Sequential Write (Max, MB/s), 128KB ²	500	500
Endurance/Reliability		
Total Bytes Written (TB)	280	110
Mean Time Between Failures (MTBF, hours)	1,800,000	1,800,000
Warranty, Limited (years)	3	3
Power Management		
Active Power, Average (W)	2.1	2.0
Slumber (mW)	23	22
Environmental		
Temperature, Operating Internal (°C)	0 to 70	0 to 70
Temperature, Non-operating (°C)	-40 to 85	-40 to 85
Shock, Non-operating: 0.5 ms (Gs)	1,500	1,500
Special Features		
TRIM	Yes	Yes
S.M.A.R.T.	Yes	Yes
Halogen-free	Yes	Yes
RoHS compliance	Yes	Yes
Physical		
Height (mm/in, max)	7.10 mm/0.279 in	7.10 mm/0.279 in
Width (mm/in, max)	70.10 mm/2.759 in	70.10 mm/2.759 in
Depth (mm/in, max)	100.40 mm/3.952 in	100.40 mm/3.952 in
Weight (lb/g)	40 g/0.088 lb	40 g/0.088 lb

¹ Backward compatible to 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.5.0 x64 with SATA 6 Gb/s host.



Ordering Information	
Specifications	
Retail Packaging	Box Dimensions
Depth/Length (in/mm)	0.555 in/14.1 mm
Width (in/mm)	5.236 in/133 mm
Height (in/mm)	7.008 in/178 mm
Weight (lb/kg),	0.159 lb/0.072 kg
Master Carton Dimensions	
Depth/Length (in/mm)	7.717 in/196 mm
Width (in/mm)	12.126 in/308 mm
Height (in/mm)	6.339 in/161 mm
Weight (lb/kg),	3.968 lb/1.8 kg
Pallet Dimensions	
Depth/Length (in/mm)	48.031 in/1220 mm
Width (in/mm)	40.157 in/1020 mm
Height (in/mm)	57.086 in/1450 mm
Weight (lb/kg),	601.862 lb/273 kg
Quantities	
Boxes per Master Carton	20
Master Cartons per Pallet	144
Pallet Layers	8

System Requirements	What's Included
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- SATA 6 Gb/s or SATA 3 Gb/s port
- Windows® 10, Windows 8.1
- Linux
- Seagate® BarraCuda™ Q1 SSD

Region	Model Number	Capacity	Limited Warranty (years)	UPC Code	EAN Code	Multi-Pack UPC
WW	ZA480CV1A001	480GB	3	763649143551	8719706024310	10763649143558
WW	ZA960CV1A001	960GB	3	763649143568	8719706024327	10763649143565

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