

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 280TB 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 550/500MB/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 280TB total bytes written (TBW)

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



Specifications	960GB	480GB	240GB
Standard Model	ZA960CV10001	ZA480CV10001	ZA240CV10001
Interface ¹	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
NAND Flash Memory	3D QLC	3D QLC	3D QLC
Form Factor	2.5 in × 7mm	2.5 in × 7mm	2.5 in × 7mm
Performance			
Sequential Read (Max, MB/s), 128KB ²	550	550	550
Sequential Write (Max, MB/s), 128KB ²	500	500	450
Endurance/Reliability			
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
Power Management			
Active Power, Average (W)	2.1	2.0	1.7
Slumber (mW)	23	22	20
Environmental			
Temperature, Operating Internal (°C)	0 to 70	0 to 70	0 to 70
Temperature, Nonoperating (°C)	-40 to 85	-40 to 85	-40 to 85
Shock, Nonoperating: 0.5ms (Gs)	1500	1500	1500
Special Features			
TRIM	Yes	Yes	Yes
S.M.A.R.T.	Yes	Yes	Yes
Halogen Free	Yes	Yes	Yes
RoHS Compliance	Yes	Yes	Yes
Physical			
Height (mm/in, max)	7.10mm/0.279in	7.10mm/0.279in	7.10mm/0.279in
Width (mm/in, max)	70.10mm/2.759in	70.10mm/2.759in	70.10mm/2.759in
Depth (mm/in, max)	100.40mm/3.952in	100.40mm/3.952in	100.40mm/3.952in
Weight (g/lb)	40g/0.088lb	40g/0.088lb	40g/0.088lb

¹ Backward compatible to 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.5.0 ×64 with SATA 6Gb/s host.



Ordering Information	
Specifications	
Retail Packaging	Box Dimensions
Depth/Length (in/mm)	0.555in/14.1mm
Width (in/mm)	5.236in/133mm
Height (in/mm)	7.008in/178mm
Weight (lb/kg)	0.159lb/0.072kg
Quantities	
Boxes per Master Carton	20
Master Cartons per Pallet	144
Pallet Layers	8

System Requirements	What's Included
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- SATA 6Gb/s or SATA 3Gb/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	ZA240CV1A001	240GB	3	763649147337	8719706027588	10763649147334
WW	ZA480CV1A001	480GB	3	763649143551	8719706024310	10763649143558
WW	ZA960CV1A001	960GB	3	763649143568	8719706024327	10763649143565

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