

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 cost-effective SSD speeds with next-gen 3D QLC NAND.

Leverage NVMe SSD speeds that are up to 50× faster than traditional hard drives.

Harness high sequential read/write speeds (up to 2400/1800MB/s) for more responsive downloads, installs, and multitasking.

Get easy installation and upgrades with a slim M.2 2280 NVMe form factor.

Extend battery life with low active power requirements of up to 3.2W

Rely on a robust 3-year limited warranty and 1.8M-hours MTBF™ software tool

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

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

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

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 x 7mm	2.5 in x 7mm	2.5 in x 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°C – 85°C	-40°C – 85°C	-40°C – 85°C
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/3.953in	100.40mm/3.953in	100.40mm/3.953in
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 x64 with SATA 6Gb/s host.



Specifications			
Retail Packaging	Box Dimensions	Master Carton Dimensions	Pallet Dimensions
Length (in/mm)	0.555in/14.1mm	7.717in/196mm	47.992in/1219mm
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	What's Included
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| <ul style="list-style-type: none"> • SATA 6Gb/s or SATA 3Gb/s port • Windows® 10, Windows 8.1 • Linux | <ul style="list-style-type: none"> • Seagate® BarraCuda™ Q1 SSD |
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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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