Speed. Versatility. Dependability.

BarraCuda Q1

Improve PC performance with up to 20× faster speeds than hard drives[1]. 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 drives[1].

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 × 7 mm	2.5 in × 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 ×64 with SATA 6 Gb/s host.

Ordering Information

Specifications

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

Quantities

Boxes per Master Carton	20
Master Cartons per Pallet	144
Pallet Layers	8

System Requirements

- SATA 6 Gb/s or SATA 3 Gb/s port
- Windows® 10, Windows 8.1
- Linux

What's Included

- 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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