

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 | 240GB |
|--|--------------------|--------------------|--------------------|
| Standard Model | ZA960CV10001 | ZA480CV10001 | ZA240CV10001 |
| Interface ¹ | 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 × 7 mm | 2.5 in × 7 mm | 2.5 in × 7 mm |
| 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, Non-operating (°C) | -40 to 85 | -40 to 85 | -40 to 85 |
| Shock, Non-operating: 0.5 ms (Gs) | 1,500 | 1,500 | 1,500 |
| 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) | 7.10 mm/0.279 in | 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 | 70.10 mm/2.759 in |
| Depth (mm/in, max) | 100.40 mm/3.952 in | 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 | 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 |
| Master Carton Dimensions | Pallet 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 |
| Quantities | |
| Boxes per Master Carton | 20 |
| Master Cartons per Pallet | 144 |
| Pallet Layers | 8 |

| System Requirements | What's Included |
|---------------------|-----------------|
|---------------------|-----------------|

- 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 | ZA240CV1A001 | 240GB | 3 | 763649147337 | 8719706027588 | 10763649147334 |
| WW | ZA480CV1A001 | 480GB | 3 | 763649143551 | 8719706024310 | 10763649143558 |
| WW | ZA960CV1A001 | 960GB | 3 | 763649143568 | 8719706024327 | 10763649143565 |

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