



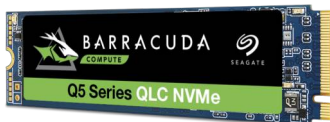
DATA SHEET

Speed. Versatility. Dependability.

## BarraCuda Q5



Upgrade your PC with the Seagate® BarraCuda™ Q5 NVMe SSD and unleash performance speeds up to 50× faster than traditional HDDs. Designed with the latest 3D QLC NAND technology, BarraCuda Q5's slim M.2 2280 form factor provides optimal compatibility and easy plug-and-play installation.



### Best-Fit Applications

- Desktop upgrades
- Laptop upgrades
- Workstation upgrades
- HDD or SSD 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 2,400/1,800 MB/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

---

One year of Rescue Data Recovery Services<sup>1</sup>, offering an industry-leading 95% success rate against unexpected data loss

---

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

---

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

---

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

---

1 Rescue Data Recovery Services not available in all countries.

---



Specifications	2 TB	1 TB	500 GB
Capacity	2 TB	1 TB	500GB
Standard Model	ZP2000CV30001	ZP1000CV30001	ZP500CV30001
Interface	PCIe <sup>®</sup> Gen3 x4 NVMe <sup>™</sup> 1.3	PCIe Gen3 x4 NVMe 1.3	PCIe Gen3 x4 NVMe 1.3
NAND Flash Memory	3D QLC	3D QLC	3D QLC
Form Factor	M.2 2280-S2	M.2 2280-S2	M.2 2280-S2
<b>Performance</b>			
Sequential Read (Max, MB/s), 128KB <sup>1</sup>	2,400	2,400	2,300
Sequential Write (Max, MB/s), 128KB <sup>1</sup>	1,800	1,700	900
<b>Endurance/Reliability</b>			
Total Bytes Written (TB)	531	274	119
Mean Time Between Failures (MTBF, hours)	1,800,000	1,800,000	1,800,000
Warranty, Limited (years)	3	3	3
Rescue Data Recovery Services (years)	1	1	1
<b>Power Management</b>			
Active Power, Average (W)	3.3	3.1	2.2
Idle Power PS3, Average (mW)	25	27	23
Low Power L1.2 mode (mW)	1.6	1.6	1.5
<b>Environmental</b>			
Temperature, Operating Internal (°C)	0 to 70	0 to 70	0 to 70
Temperature, Non-operating (°C)	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C
Shock, Non-operating: 0.5 ms (Gs)	1,500	1,500	1,500
<b>Special Features</b>			
TRIM	Yes	Yes	Yes
S.M.A.R.T.	Yes	Yes	Yes
Halogen-free	Yes	Yes	Yes
RoHS compliance	Yes	Yes	Yes
<b>Physical</b>			
Height (mm/in, max)	2.15 mm/0.084 in	2.15 mm/0.084 in	2.15 mm/0.084 in
Width (mm/in, max)	22 mm/0.866 in	22 mm/0.866 in	22 mm/0.866 in
Depth (mm/in, max)	80 mm/3.149 in	80 mm/3.149 in	80 mm/3.149 in
Weight (lb/g)	7 g/0.015 lb	7 g/0.015 lb	7 g/0.015 lb

<sup>1</sup> 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.6.0 x64 on Windows 10 host.



Specifications			
Retail Packaging	Box Dimensions	Master Carton Dimensions	Pallet Dimensions
Length (in/mm)	7.008 in/178 mm	11.417 in/290 mm	47.992 in/1,219 mm
Width (in/mm)	5.236 in/133 mm	7.008 in/178 mm	20 in/508 mm
Depth (in/mm)	0.512 in/13 mm	5.236 in/133 mm	37.283 in/947 mm
Weight (lb/kg)	0.112 lb/0.051 kg	2.875 lb/1.304 kg	428.49 lb/194.36 kg
Quantities			
Boxes per Master Carton	20		
Master Cartons per Pallet	30		
Pallet Layers	5		

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

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• M.2 (M key) slot, PCIe G3 x4 interface</li> <li>• Windows<sup>®</sup> 10, Windows 8.1</li> <li>• Linux</li> </ul> | <ul style="list-style-type: none"> <li>• Seagate<sup>®</sup> BarraCuda<sup>™</sup> Q5 SSD</li> </ul> |
|--|--|

Region	Model Number	Capacity	Limited Warranty (years)	UPC Code	EAN Code	Multi-Pack UPC
WW	ZP500CV3A001	500GB	3	763649147467	8719706027717	10763649147464
WW	ZP1000CV3A001	1 TB	3	763649147474	8719706027724	10763649147471
WW	ZP2000CV3A001	2 TB	3	763649147481	8719706027731	10763649147488

seagate.com



© 2022 Seagate Technology LLC. All rights reserved. Seagate, Seagate Technology, and the Spiral Logo are registered trademarks of Seagate Technology LLC in the United States and/or other countries. BarraCuda, the BarraCuda logo, DiscWizard, and SeaTools are either trademarks or registered trademarks of Seagate Technology LLC or one of its affiliated companies in the United States and/or other countries. The NVMe word mark and/or NVMeExpress design mark are trademarks of NVMeExpress, Inc. The PCIe word mark and/or PCIeExpress design mark are registered trademarks and/or service marks of PCI-SIG. All other trademarks or registered trademarks are the property of their respective owners. When referring to drive capacity, one gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes. Your computer's operating system may use a different standard of measurement and report a lower capacity. In addition, some of the listed capacity is used for formatting and other functions, and thus will not be available for data storage. Actual data rates may vary depending on operating environment and other factors, such as chosen interface and drive capacity. Seagate reserves the right to change, without notice, product offerings or specifications. DS2057.3-2208GB