



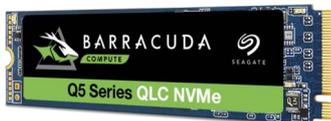
DATA SHEET

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

Three years of Rescue Data Recovery Services¹, 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 [®] Gen3 x4 NVMe [™] 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
Performance			
Sequential Read (Max, MB/s), 128KB ¹	2,400	2,400	2,300
Sequential Write (Max, MB/s), 128KB ¹	1,800	1,700	900
Endurance/Reliability			
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
Power Management			
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
Environmental			
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
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)	2.15 mm/0.085 in	2.15 mm/0.085 in	2.15 mm/0.085 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

¹ 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	Product Dimensions	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
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- | | |
|---|--|
| <ul style="list-style-type: none"> • M.2 (M key) slot, PCIe G3 x4 interface • Windows® 10, Windows 8.1 • Linux | <ul style="list-style-type: none"> • Seagate® BarraCuda™ Q5 SSD |
|---|--|

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

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