



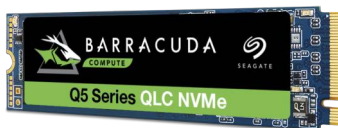
DATA SHEET

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 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

One year of Rescue Data Recovery Services¹, offering an industry-leading 95% success rate against unexpected data loss

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™ 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	2TB	1TB	500GB
Capacity	2TB	1TB	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	2400	2400	2300
Sequential Write (Max, MB/s), 128KB ¹	1800	1700	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, 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)	2.15mm/0.084in	2.15mm/0.084in	2.15mm/0.084in
Width (mm/in, max)	22.0mm/0.866in	22.0mm/0.866in	22.0mm/0.866in
Depth (mm/in, max)	80.00mm/3.149in	80.00mm/3.149in	80.00mm/3.149in
Weight (g/lb)	7.0g/0.015lb	7.0g/0.015lb	7.0g/0.015lb

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	Box Dimensions	Master Carton Dimensions	Pallet Dimensions
Length (in/mm)	7.008in/178mm	11.417in/290mm	47.992in/1219mm
Width (in/mm)	5.236in/133mm	7.008in/178mm	20in/508mm
Depth (in/mm)	0.512in/13mm	5.236in/133mm	37.283in/947mm
Weight (lb/kg)	0.112lb/0.051kg	2.875lb/1.304kg	428.49lb/194.36kg
Quantities			
Boxes per Master Carton	20		
Master Cartons per Pallet	30		
Pallet Layers	5		

System Requirements	What's Included
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- M.2 (M key) slot, PCIe G3 x4 interface
- Windows[®] 10, Windows 8.1
- Linux
- 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	1TB	3	763649147474	8719706027724	10763649147471
WW	ZP2000CV3A001	2TB	3	763649147481	8719706027731	10763649147488

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