



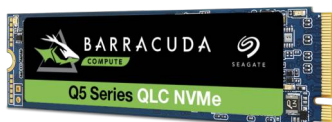
DATA SHEET

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

Enjoy added peace of mind with 1-year Rescue Data Recovery Services

Benefit from long-term durability with 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



Specifications	2 TB	1 TB	500 GB
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), 128 KB ¹	2,400	2,400	2,300
Sequential Write (Max, MB/s), 128 KB 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 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)	2.15 mm/0.084 in	2.15 mm/0.084 in	2.15 mm/0.084 in
Width (mm/in, max)	22.00 mm/0.866 in	22.00 mm/0.866 in	22.00 mm/0.866 in
Depth (mm/in, max)	80.00 mm/3.149 in	80.00 mm/3.149 in	80.00 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	Box Dimensions	Master Carton Dimensions	Pallet Dimensions
Depth/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	40 in/1016 mm
Height (in/mm)	0.512 in/13 mm	5.236 in/133 mm	44.094 in/1,120 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	90		
Pallet Layers	6		

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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