

The reliable, high-performance SSD for high performers.



## BarraCuda™ 530 SSD

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BarraCuda™ 530 SSD is the compact PCIe Gen4 NVMe SSD that optimizes the performance, and storage speed of laptops, mini PCs, and desktop devices. Access apps or files 13x faster than SATA SSDs for improved productivity, and enjoy excellent energy efficiency and battery life. It comes backed by a 5-year warranty, and is available in 512GB, 1024GB and 2048GB capacities.



## Key Features

### Work Fast

Access apps and files thirteen times faster than SATA SSDs on your laptop, mini PC and desktop computer.

### Power Efficient

Experience improved device battery life with the efficient PCIe NVMe SSD solution that reduces power consumption.

### Store Easy

Enjoy peace of mind with the most reliable storage technology that features total bytes written (TBW) up to 1200TB, 1.8M hours of mean time between failures (MTBF).

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## Get Flexible

Choose the drive size that fits your storage needs and budget with 512GB, 1024GB or 2048GB capacity options.

## Live Small

Boost your laptop, mini PC, and desktop computing to Gen4 NVMe performance with its compact, portable M.2 2280 form factor.

## Rest Assured

Includes a 5-year warranty, and Seagate SeaTools software for monitoring, managing and reporting SSD health, data integrity, and more.



RETAIL PACKAGING	BOX DIMENSIONS	MASTER CARTON DIMENSIONS	PALLET DIMENSIONS
Length (in/mm)	0.512in/13mm	7.717in/196mm	40in/1016mm
Width (in/mm)	5.236in/133mm	12.126in/308mm	47.992in/1219mm
Depth (in/mm)	7.008in/178mm	6.339in/161mm	44.094in/1120mm
Weight (lb/kg)	0.112lb/0.051kg	2.866lb/1.3kg	425.492lb/193kg

QUANTITIES	
Boxes per Master Carton	20
Master Cartons per Pallet	90
Pallet Layers	6

SYSTEM REQUIREMENTS	WHAT'S INCLUDED
<ul style="list-style-type: none"><li>• M.2 (M key) slot, PCIe® G4 x4 interface (backwards compatible with PCIe G3 interface)</li><li>• Windows® 11, Windows® 10</li><li>• Linux</li></ul>	<ul style="list-style-type: none"><li>• Seagate® BarraCuda™ 530 SSD</li></ul>

REGION	MODEL NUMBER	CAPACITY	LIMITED WARRANTY (YEARS)	UPC CODE	EAN CODE	MULTI-PACK UPC
WW	ZP512CM3A003	512GB	5	763649182543	8719706437233	10763649182540
WW	ZP1024CM3A003	1024GB	5	763649182550	8719706437240	10763649182557
WW	ZP2048CM3A003	2048GB	5	763649182567	8719706437257	10763649182564

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SPECIFICATIONS	2048GB	1024GB	512GB
Standard Model	ZP2048CM30003	ZP1024CM30003	ZP512CM30003
Interface	PCIe Gen4 ×4 NVMe 2.0	PCIe Gen4 ×4 NVMe 2.0	PCIe Gen4 ×4 NVMe 2.0
Form Factor	M.2 2280-S2	M.2 2280-S2	M.2 2280-S2
PERFORMANCE			
Sequential Read (Max, MB/s), 128KB <sup>1</sup>	7400	7400	7200
Sequential Write (Max, MB/s), 128KB <sup>1</sup>	6400	6100	4300
ENDURANCE/RELIABILITY			
Total Bytes Written (TB)	1200	600	300
Mean Time Between Failures (MTBF, hours)	1,800,000	1,800,000	1,800,000
Warranty, Limited (years)	5	5	5
POWER MANAGEMENT			
Active Power, Max. Average (W)	5.7	5.8	5.2
Idle Power PS3, Average (mW)	50	50	50
Low Power PS4 (mW)	5	5	5
ENVIRONMENTAL			
Temperature, Operating Internal (°C)	0 to 70	0 to 70	0 to 70
Temperature, Nonoperating (°C)	-40 to 85	-40 to 85	-40 to 85
Shock, Nonoperating: 0.5ms (Gs)	1500	1500	1500
SPECIAL FEATURES			
TRIM	Yes	Yes	Yes
S.M.A.R.T.	Yes	Yes	Yes
RoHS Compliance	Yes	Yes	Yes
PHYSICAL			
Length (mm/in, max)	80.15mm/3.155in	80.15mm/3.155in	80.15mm/3.155in
Width (mm/in, max)	22.15mm/0.872in	22.15mm/0.872in	22.15mm/0.872in
Height (mm/in, max)	2.23mm/0.0877in	2.23mm/0.0877in	2.23mm/0.0877in
Weight (g/lb)	7.5g/0.016lb	7.5g/0.016lb	7.5g/0.016lb

<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.8.0.0 ×64 on Windows 10 host with PCIe Gen4 motherboard.

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