



Seagate BarraCuda ZP512CM30031 internal solid state drive M.2 512 GB PCI Express 3.0 3D TLC NAND NVMe

Brand : Seagate

Product family: BarraCuda

Product code: ZP512CM30031

Product name :
ZP512CM30031



- Ultra-thin laptops
 - Business PCs and laptops
 - Workstations and all-in-one PCs
- 512 GB, SSD M.2 2280, PCIe Gen3 x4, 3D TLC NAND

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The Seagate BarraCuda 510 SSD — legendary storage designed for taking your data to the next level of performance, reliability and efficiency.

Amazing speed with next-level 3D cTLC NAND and a PCIe Gen3 x4, NVMe 1.3 unlock sequential read/write speeds of up to 3400/2100MB/s

The trusted dependability of the BarraCuda brand with a 5-year limited warranty and MTBF of 1.8M hours.

Amazing versatility with capacities of 256 GB and 512 GB lets you pick the right drive for the job and budget

Slim form factor with single-sided M.2 2280 for ultra-thin/ultra-small laptops, mini PCs, and desktop PCs

Low power consumption with up to 4.1W active power and multiple low power modes make for longer battery life and cooler running speeds

Features		Features	
NVMe version	1.4	TBW rating	320
SSD form factor *	M.2	Use conditions	PC/Client/Tablet
SSD capacity *	512 GB	Power	
Interface *	PCI Express 3.0	Power consumption (average)	4.1 W
Memory type *	3D TLC NAND	Power consumption (idle)	0.02 W
NVMe *	✓	Operational conditions	
Component for *	Universal	Operating temperature (T-T)	0 - 70 °C
Read speed	3400 MB/s	Storage temperature (T-T)	-40 - 85 °C
Write speed	2100 MB/s	Non-operating shock	1500 G
Random read (4KB)	340000 IOPS	Technical details	
Random write (4KB)	500000 IOPS	Sustainability certificates	RoHS
PCI Express interface data lanes	x4	Doesn't contain	Halogen
S.M.A.R.T. support	✓	Weight & dimensions	
TRIM support	✓	Width	22.1 mm
Mean time between failures (MTBF)	1800000 h	Depth	80.2 mm
		Height	2.23 mm
		Weight	6.9 g

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