



## BarraCuda 520 SSD

Fast. Dependable. Versatile.

The Seagate<sup>®</sup> BarraCuda<sup>™</sup> 520 SSD—storage designed to take your data to the next level.





## **Key Features**

#### **Amazing Speed**

Unlocks sequential read/write speeds of up to 5000/4200MB/s with PCle<sup>®</sup> Gen4 ×4 NVMe<sup>™</sup>

### **Trusted Dependability**

Offers a three-year, limited warranty and endurance up to 900TB of TBW

#### **Impressive Flexibility**

Provides capacities of 512GB to 4096GB, letting you select the right drive for your job and budget



**BARRACUDA 520 SSD** 

#### Slim Form Design

Features single-sided M.2 2280 for ultra-thin, ultra-small laptops, mini PCs, and desktop PCs

#### **Improved Power Consumption**

Promotes longer battery life and cooler running speeds with 5.7W active power and multiple low power modes

# **SSD Performance, Health, and Firmware Monitoring**

Tracks drive function and updates with free Seagate SeaTools<sup>™</sup>



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		11 1994 314 233
Master Cartons per Pallet	90		
Pallet Layers	6		

#### SYSTEM REQUIREMENTS

- M.2 (M key) slot, PCle® G4 ×4 interface (backwards compatible with PCle G3 interface)
- Windows® 11, Windows® 10
- Linux

REGION	MODEL NUMBER	CAPACITY	LIMITED WARRANTY (YEARS)	UPC CODE	EAN CODE	MULTI-PACK UPC
ww	ZP512CM3A002	512GB	3	763649182048	8719706437028	10763649182045
ww	ZP1024CM3A002	1024GB	3	763649182055	8719706437035	10763649182052
ww	ZP2048CM3A002	2048GB	3	763649182062	8719706437042	10763649182069
ww	ZP4096CM3A002	4096GB	3	763649182079	8719706437059	10763649182076

WHAT'S INCLUDED

Seagate<sup>®</sup> BarraCuda<sup>™</sup> 520 SSD

SPECIFICATIONS	4096GB	2048GB	1024GB	512GB
Standard Model	ZP4096CM30002	ZP2048CM30002	ZP1024CM30002	ZP512CM30002
Interface	PCle Gen4 ×4 NVMe 1.4	PCle Gen4 ×4 NVMe 1.4	PCle Gen4 ×4 NVMe 1.4	PCIe Gen4 ×4 NVMe 1.4
Form Factor	M.2 2280-S2	M.2 2280-S2	M.2 2280-S2	M.2 2280-S2
PERFORMANCE				
Sequential Read (Max, MB/s), 128KB <sup>1</sup>	5000	5000	5000	5000
Sequential Write (Max, MB/s), 128KB <sup>1</sup>	4200	4200	3200	3800
ENDURANCE/RELIABILITY				
Total Bytes Written (TB)	900	450	250	200
Mean Time Between Failures (MTBF, hours)	1,800,000 hrs	1,800,000 hrs	1,800,000 hrs	1,800,000 hrs
Warranty, Limited (years)	3	3	3	3
POWER MANAGEMENT				
Active Power, Max. Average (W)	5.1W	5.7W	5.6W	5.5W
Idle Power PS3, Average (mW)	50mW	50mW	50mW	50mW
Low Power PS4 (mW)	5	5	5	5
ENVIRONMENTAL				
Temperature, Operating Internal (°C)	0 to 70	0 to 70	0 to 70	0 to 70
Temperature, Nonoperating (°C)	-40 to 85	-40 to 85	-40 to 85	-40 to 85
Shock, Nonoperating: 0.5ms (Gs)	1,500	1,500	1,500	1,500
SPECIAL FEATURES				
TRIM	Yes	Yes	Yes	Yes
S.M.A.R.T.	Yes	Yes	Yes	Yes
RoHS Compliance	Yes	Yes	Yes	Yes
PHYSICAL				
Length (mm/in, max)	80.15mm/3.155in	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	22.15mm/0.872in
Height (mm/in, max)	2.23mm/0.0877in	2.23mm/0.0877in	2.23mm/0.0877in	2.23mm/0.0877in
Weight (g/lb)	8g/0.0176lb	8g/0.0176lb	8g/0.0176lb	8g/0.0176lb

<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.6.0.2 ×64 on Windows 10 host with PCIe Gen4 motherboard.

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