**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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BARRACUDA™ 530 SSD

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

### WHAT'S INCLUDED
- Seagate® BarraCuda™ 530 SSD

| 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 [1] | 7400 | 7400 | 7200 |
| Sequential Write (Max, MB/s), 128KB [1] | 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 |

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

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