

WD_
BLACK™

WD_BLACK™ SN770M

M.2 2230 NVMe™ SSD
MOBILE GAME DRIVE



TAKE YOUR GAME LIBRARY WITH YOU

Expand your handheld gaming device or M.2 2230 compatible laptop's storage with a WD_BLACK™ SN770M NVMe™ SSD with up to 2TB¹ of storage. Bring your large game library wherever you are and immerse yourself with blazingly quick game installations and level loads.

KEY FEATURES

- Introducing the WD_BLACK™ SN770M SSD, the first M.2 2230 NVMe™ SSD built from a brand gamers trust
- Supercharge compatible handheld devices such as the ASUS™ ROG Ally™ and Valve® Steam® Deck with speeds up to 5,150 MB/s² [1TB¹ and 2TB¹ models] for blazingly quick game installations and level loads
- Play more games, larger games wherever you are with up to 2TB¹ of trusted Western Digital® TLC 3D NAND storage
- Get ready for an immersive experience with exclusive gaming features including PCIe® Gen 4.0³, Western Digital's nCache™ 4.0 technology, and Microsoft®'s DirectStorage Support
- Revitalize and expand the storage of your M.2 2230 SSD compatible laptop such as many Microsoft® Surface and Dell™ models
- Backed by Western Digital's 5-year limited warranty⁴, keep your drive tuned with the Western Digital Dashboard [Windows® only] software



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PRODUCT FEATURES

PLAY WITH CONFIDENCE

Introducing the WD_BLACK™ SN770M, the first M.2 2230 NVMe™ SSD built from a brand gamers trust.

SUPERCHARGE YOUR HANDHELD GAMING DEVICE

Upgrade compatible handheld devices such as the ASUS™ ROG Ally™ and Steam® Deck with speeds up to 5,150 MB/s² [1TB¹ and 2TB¹ models] for blazingly quick game installations and level loads.

GAME MORE ON THE GO

Take your large game library wherever you are with up to 2TB¹ of trusted Western Digital® TLC NAND storage.

UNCOMPROMISING FEATURES

Get ready for an immersive experience with exclusive gaming features including PCIe® Gen 4.0³, Western Digital's nCache™ 4.0 Technology, and Microsoft®'s DirectStorage Support.



ALSO COMPATIBLE WITH ULTRATHIN PCs

Revitalize and expand the storage of your M.2 2230 SSD compatible laptop such as many Microsoft® Surface and Dell™ models.

A TRUSTED GAMING BRAND

Backed by Western Digital's 5-year limited warranty⁴, keep your drive tuned with the Western Digital Dashboard [Windows® only] software.

PRODUCT SPECIFICATIONS

CAPACITIES ¹ AND MODELS:	2TB WDBDNH0020BBK-WRSN/ WDS200T3X0G	1TB WDBDNH0010BBK-WRSN/ WDS100T3X0G	500GB WDBDNH5000ABK-WRSN/ WDS500G3X0G	
INTERFACE	PCIe® Gen4 16GT/s, up to 4 Lanes			
DIMENSIONS	Length: 30 ± 0.15mm	Width: 22 ± 0.15mm	Height: 2.38mm	Weight: 2.8g ± 0.5g
SYSTEM COMPATIBILITY	Backwards compatible with PCIe® Gen3 x4, PCIe® Gen3 x2, PCIe® Gen3 x1, PCIe® Gen2 x4, PCIe® Gen2 x2 and PCIe® Gen2 x1 Windows® 10+			
OPERATING TEMPERATURE ⁵	32°F TO 185°F [0°C TO 85°C]			
NON OPERATING TEMPERATURE ⁶	-40°F TO 185°F [-40°C TO 85°C]			
LIMITED WARRANTY	5 YEARS ⁴			
ENDURANCE ⁷ [TBW]	2TB: 1,200 1TB: 600 500GB: 300			
PERFORMANCE ²	Sequential Read [up to]: 2TB: 5,150MB/s 1TB: 5,150MB/s 500GB: 5,000MB/s	Sequential Write [up to]: 2TB: 4,850MB/s 1TB: 4,900MB/s 500GB: 4,000MB/s	Random Read [up to]: 2TB: 650K IOPS 1TB: 740K IOPS 500GB: 460K IOPS	Random Write [up to]: 2TB: 800K IOPS 1TB: 800K IOPS 500GB: 800K IOPS

1. 1GB = 1 billion bytes and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment.
2. Based on read speed unless otherwise stated. 1 MB/s = 1 million bytes per second. Based on internal testing; performance may vary depending upon host device, usage conditions, drive capacity, and other factors. IOPS = input/output operations per second.
3. PCIe® Gen4 storage technology requires a compatible motherboard. WD_BLACK™ SN770M NVMe SSD is backwards compatible with PCIe® Gen3.
4. 5 years or Max Endurance [TBW] limit, whichever occurs first. See support.wdc.com for region-specific warranty details.
5. Operational temperature is defined as temperature reported by the drive. Note that drive temperature readings are expected to be higher than ambient temperature when the SSD is placed inside a system. The SSD box package is rated up to 60°C.
6. Non-operational storage temperature does not guarantee data retention.
7. TBW [terabytes written] values calculated using JEDEC client workload [JESD219] and vary by product capacity.

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