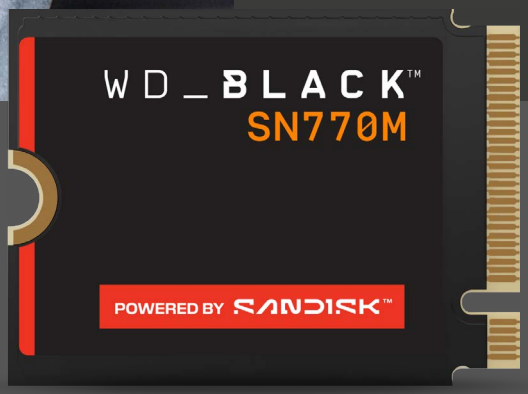
WD_BLACK™

SANDISK™



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 2TB[1] 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/s[2] [1TB[1] and 2TB[1] models] for blazingly quick game installations and level loads
- Play more games, larger games wherever you are with up to 2TB[1] of trusted SANDISK® TLC 3D NAND storage
- Get ready for an immersive experience with exclusive gaming features including PCIe® Gen 4.0[3], Sandisk'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 Sandisk's 5-year limited warranty[4], keep your drive tuned with the SANDISK® Dashboard [Windows® only] software

WD_BLACK™

PRODUCT FEATURES

PLAY WITH CONFIDENCE

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

SUPERCHARGE YOUR HANDHELD GAMING DEVICE

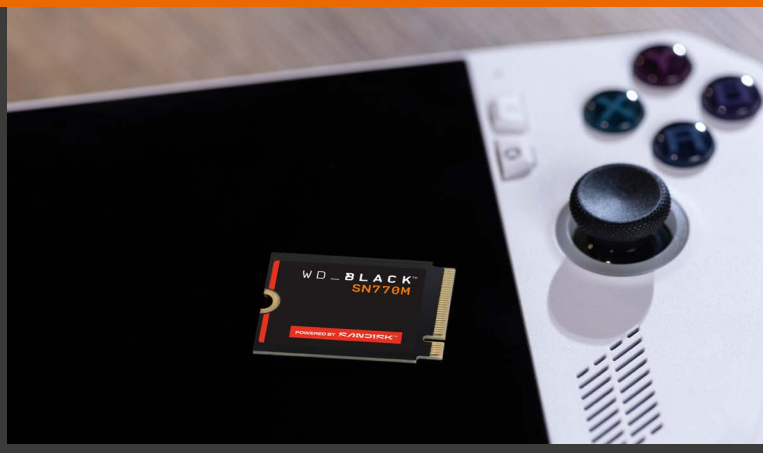
Upgrade compatible handheld devices such as the ASUS™ ROG Ally™ and Steam® Deck with speeds up to 5,150 MB/s[2] [1TB[1] and 2TB[1] models] for blazingly quick game installations and level loads.

GAME MORE ON THE GO

Take your large game library wherever you are with up to 2TB[1] of trusted SANDISK® TLC NAND storage.

UNCOMPROMISING FEATURES

Get ready for an immersive experience with exclusive gaming features including PCIe® Gen 4.0[3], Sandisk'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 Sandisk's 5-year limited warranty[4], keep your drive tuned with the SANDISK® 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]	32ºF TO 185ºF [0ºC TO 85ºC]			
NON OPERATING TEMPERATURE[6]	-40ºF TO 185ºF [-40ºC TO 85ºC]			
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 60ºC.
[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.

SANDISK™

July 2025

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