

SANDISK OPTIMUS™ GX

7100X

PCIe® 4.0 x4 M.2 2280 NVMe™ SSD
For ROG Xbox Ally (X) and PC

GAME FASTER, GAME
LONGER WITH THE
OFFICIALLY LICENSED
SANDISK OPTIMUS™ GX
PCIe® 4.0 NVMe™ SSDs
FOR ROG XBOX ALLY (X)
AND PC.

Play your Xbox games anywhere with the officially licensed SANDISK Optimus™ GX 7100X NVMe™ SSD for ROG Xbox Ally (X) and PC. Featuring Sequential Read/Write speeds up to 7,250/6,900 MB/s² (2TB¹ model), it's an ideal upgrade option for your PC, ROG Xbox Ally, or ROG Xbox Ally X. The SANDISK Optimus™ GX 7100X NVMe™ SSD is certified and tested for ROG Xbox Ally, ROG Xbox Ally X, and PC to obliterate load times and conquer your heftiest gaming sessions. Store more Xbox games and still have room for future updates and DLC with capacities up to 4TB.¹



KEY FEATURES

- **OFFICIALLY XBOX LICENSED**
Your drive is officially licensed for Xbox gaming, so you can upgrade your internal storage to store and play more on your ROG Xbox Ally, ROG Xbox Ally X, or PC.
- **HIGH-OCTANE GAMING**
Experience speeds up to 7,250MB/s² read and 6,900MB/s² write (2TB¹ model).
- **BUILT WITH CUTTING-EDGE TECH**
Designed for serious on-the-go gamers, with a PCIe® 4.0 interface and Sandisk's 8th generation BiCS TLC 3D CBA NAND.
- **ADD FAVORITES AND NEW TITLES**
Available in multiple capacities up to 4TB,¹ so you have tons of storage for your favorite games and the ones you're looking forward to.
- **CLEAR THAT CHECKPOINT**
This power-efficient drive was built with laptops, the ROG Xbox Ally and ROG Xbox Ally X in mind.



PRODUCT FEATURES

OFFICIALLY LICENSED STORAGE FOR ROG XBOX ALLY, ROG XBOX ALLY X AND PC

Play effortlessly with full Xbox integration and enjoy gaming experiences that adhere fully to Microsoft’s quality standards.

BUILT WITH CUTTING-EDGE TECH

Equipped with a PCIe® 4.0 interface powered by Sandisk’s 8th generation BiCS TLC 3D CBA NAND, the SANDISK Optimus™ GX 7100X NVMe™ SSD is designed to provide the speed and power efficiency serious on-the-go Xbox gamers need.

CLEAR THAT CHECKPOINT BEFORE YOUR BATTERY CLOCKS OUT

Built with PC laptops, the ROG Xbox Ally, and ROG Xbox Ally X in mind, the power efficiency of this drive helps enable you to conquer some of the most hardcore gaming sessions.

HIGH-OCTANE GAMING SSD THAT DOESN’T BACK DOWN

Experience an exhilarating boost you can see and feel with level-conquering Sequential Read/Write speeds up to 7,250/6,900 MB/s² (2TB¹ model).

MORE SPACE FOR FAVORITES AND NEW TITLES

Available in capacities up to 4TB,¹ the SANDISK Optimus™ GX 7100X NVMe™ SSD gives you tons of storage for your latest Xbox games with space left over for future updates and downloadable content.

PRODUCT SPECIFICATIONS

CAPACITIES¹		2TB	4TB		
MODEL NUMBERS		SDSG71200TAN	SDSG71400TAN		
FORM FACTOR		M.2 2280-S3-M			
INTERFACE⁹		PCIe® 4.0 X4 NVMe™ 2.0			
NAND		SANDISK® TLC 3D CBA NAND			
DRAM CACHE		Host Memory Buffer			
SLC CACHE		SANDISK® nCache™ 4.0			
PERFORMANCE²					
Sequential Read 1MB (MB/s) up to (Queue Depth=8, Threads=1)		7,250MB/s	7,000MB/s		
Sequential Write 1MB (MB/s) up to (Queue Depth=8, Threads=1)		6,900MB/s	6,700MB/s		
Random Read 4KB (IOPS) up to (Queue Depth=32, Threads=16)		1M IOPS	900K IOPS		
Random Write 4KB (IOPS) up to (Queue Depth=32, Threads=16)		1.4M IOPS	1.35M IOPS		
RELIABILITY					
Endurance³ (TBW)		1,200	2,400		
MTTF³ up to (hours)		1,75M Hours			
Limited Warranty⁴		5 years			
System Compatibility		ROG Xbox Ally, ROG Xbox Ally X, Windows 10/11			
REGULATORY					
Certifications		BSMI, CAN ICES-3(B)/NMB-3(B), CB-Scheme, CE, FCC, KCC, Morocco, RCM, TÜV, UL, VCCI, UKCA			
RoHS COMPLIANCE		Yes			
SECURITY¹⁰		TCG Pyrite 2.01, ATA Security passthrough over NVMe™			
FEATURED SOFTWARE		SANDISK® Dashboard⁵ (Windows® only), Acronis® True Image™ for SANDISK® software⁶			
ENVIRONMENTAL					
Operating Temperature⁷		32°F to 185°F (0°C to 85°C)			
Non-Operating Temperature⁷		-40°F to 185°F (-40°C to 85°C)			
Operating Vibration		5 gRMS, 10-2000 Hz, 3 axes			
Non-operating Vibration		4.9 gRMS, 7-800 Hz, 3 axes			
Shock		1,500G @ 0.5 ms half-sine			
DIMENSIONS⁸		Length	Width	Height	Weight
2TB-4TB¹		80mm	22mm	2.38mm	5.8g

¹ 1GB = 1 billion bytes and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment.

² 1MB/s = 1 million bytes per second. IOPS = input/output operations per second. Based on internal testing; performance may vary depending upon host device, usage conditions, drive capacity, and other factors.

³ TBW (terabytes written) values calculated using JEDEC client workload (UESD219) and vary by product capacity. MTTF = Mean Time To Failure based on internal testing using Telcordia™ stress part testing (Telcordia SR-332, GF, 25°C). MTTF is based on a sample population and is estimated by statistical measurements and acceleration algorithms. MTTF does not predict an individual drive’s reliability and does not constitute a warranty.

⁴ 5 years or Max Endurance (TBW) limit, whichever occurs first. See support.sandisk.com for region-specific warranty details.

⁵ Available for download at sandisk.com/support

⁶ Download, installation, and administrative privileges required. Includes 5-year license for your compatible drive. Redeem within 90 days of purchase. Terms and conditions apply. User account registration may be required. May not be combined with other offers. Limited time offer; see sandisk.com/support for more details. Offer subject to change.

⁷ 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. Non-operational storage temperature does not guarantee data retention.

⁸ Physical product dimensions for length and width may vary by ± 0.15mm and product weight may vary by ± 1g.

⁹ Backwards compatible with PCIe® 3.0 x4, 3.0 x2, 3.0 x1, 2.0 x4, 2.0 x2 and 2.0 x1.

¹⁰ Requires motherboard BIOS or third-party software to enable.

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