



Product Highlights:

- Superior speed PCIe Gen4x4 interface: 7400MB/s read and 5800MB/s write¹
– NVMe 1.4, with M.2 2280 form factor
- Get 12.7x the speed of a SATA-based SSD³
- Designed for hardcore gamers and creative professionals
- Features LDPC (Low-Density Parity Check)
- Shock and vibration resistant with no moving parts²
- Designed with heat dissipation label that keeps your computer cool
- Five-year limited warranty

Capacities:

512GB
(up to 7000MB/s read, 3000MB/s write¹)

1TB
(up to 7400MB/s read, 5800MB/s write¹)



Maximum SSD performance, unleashed

Designed for hardcore gamers and creative professionals, the Lexar® Professional NM800 M.2 2280 NVMe SSD provides maximum SSD performance with speeds up to 7400MB/s read and 5800MB/s write¹. It's supported by the PCIe Gen4x4 NVMe 1.4 technology standard and backwards compatible with PCIe 3.0.

Handle demanding creative content and gaming with ease. The NM800 puts you in the computing fast lane and offers maximum SSD performance for demanding creative workstations and gaming experiences with speeds of up to 7400MB/s read, which is 12.7x the speed of SATA SSDs³.

Features LDPC for added reliability. Low-Density Parity Check (LDPC) technology makes data transfers more reliable than ever by fixing data errors before they have a chance to slow you down.

Energy Efficient. Developed with the 12nm controller, the NM800 SSD produces low power consumption for longer battery life and better user experience.

Built to last. Unlike traditional hard disk drives, the NM800 SSD has no moving parts, so it's built to last. On top of that, it's also shock and vibration resistant², making it one robust and reliable SSD.

Rigorously tested. All Lexar product designs undergo extensive testing in the Lexar Quality Labs, facilities with more than 1,100 digital devices, to ensure performance, quality, compatibility, and reliability.

For more than 25 years, Lexar has been a trusted leading global brand of memory solutions. Our award-winning lineup includes memory cards, USB flash drives, card readers, solid-state drives and DRAM. With so many options, it's easy to find the right Lexar solution to fit your needs. Lexar products are available worldwide at major retail and e-tail stores. For more information or support, visit www.lexar.com.

Lexar Retail Sku	Capacity	Region	Single UPC Code	Inner Carton UPC Code	Inner Carton Qty
LNLM800X512G-RNNNG	512GB	Global	843367124695	10843367124692	10
LNLM800X001T-RNNNG	1TB		843367124701	10843367124708	

Specifications

Color	Black (PCB)
Capacity	512GB, 1TB
Form Factor	M.2 2280
Interface	PCIe Gen3x4
Speed	512GB sequential read up to 7,000MB/s, write up to 3,000MB/s IOPS: 200/550K 1TB sequential read up to 7,400MB/s, write up to 5,800MB/s IOPS: 400/750K
Operating Temperature	0° to 70° C
Storage Temperature	-40° to 85° C
Shock Resistant	1500G, duration 0.5ms, Half Sine Wave
Vibration Resistant	10~2000Hz, 1.5mm, 20G, 1 Oct/min, 30min/axis(X,Y,Z)
TBW	512GB: 1500TB, 1TB: 3000TB
DWPD	512GB: 0.44, 1TB: 0.44
MTBF	1,500,000 Hours
Dimension (W x L x H)	80 x 22 x 2.45 mm
Weight	9g

¹ Up to 7400 MB/s read transfer, write transfer speeds lower. Speeds based on internal testing. Actual performance may vary.

² Shock resistant (1500G, duration 0.5ms, Half Sine Wave) and vibration resistant (10~2000Hz, 1.5mm, 20G, 1 Oct/min, 30min/axis(X,Y,Z)). Based on internal testing. Actual performance may vary.

³ Comparison based on internal testing. Actual performance may vary.

Lexar is not liable for any loss of data or images.

NOTE:

Security safeguards, by their nature, are capable of circumvention. Lexar does not guarantee data will be 100% secure from unauthorized access, alteration, or destruction.

Product appearance, performance, software offerings, and packaging may vary depending on ship date and available inventory.

Actual usable memory capacity may vary. 1GB equals 1 billion bytes.

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