



Product Highlights:

- Next-Gen PCIe Gen4x4 SSD Technology with cooling Heatsink-compatible with PlayStation®5 and PCs.
- Integrated Heatsink reduces heat for better performance and power efficiency to level up your gaming experience. Able to reduce temperatures by up to 30%⁴.
- Unparalleled speed PCIe Gen4x4 interface: 7500MB/s read and 6500MB/s write¹ – NVMe 1.4, with M.2 2280 form factor
- Leverages the latest 12nm controller providing lower power consumption and longer battery life.
- Large capacity options up to 8TB
- Designed for hardcore gamers, professionals and creators
- Shock and vibration resistant with no moving parts²
- Five-year limited warranty

Capacities:

512GB
(up to 7450MB/s read, 3500MB/s write¹)

1TB
(up to 7500MB/s read, 6300MB/s write¹)

2TB
(up to 7500MB/s read, 6500MB/s write¹)

4TB
(up to 7300MB/s read, 6400MB/s write¹)

8TB
(up to 7000MB/s read, 6600MB/s write¹)



Next-Gen Performance with Heatsink

Designed for hardcore gamers, professionals and creators, the Lexar Professional NM800 PRO with Heatsink M.2 2280 NVMe SSD provides unparalleled performance Gen4x4 NVMe 1.4 technology standard so you can experience 2x faster speeds than PCIe 3.0 SSDs³, and features an integrated Heatsink to keep your system cool for unmatched performance.

Keep your system cool. The Lexar Professional NM800 PRO with Heatsink M.2 2280 NVMe SSD features an integrated Heatsink and heat spreader label to effectively maintain speed, power efficiency, and thermal control for sustained high-performance when playing on PlayStation®5 and PCs.

Push the limits with PCIe 4.0. The Lexar Professional NM800 PRO with Heatsink M.2 2280 NVMe SSD is powered by PCIe Gen4x4 NVMe 1.4 technology standard, experience 2x faster speeds than PCIe 3.0 SSDs and up to 12x faster than SATA SSD³. Is it also compatible with PCIe 3.0.

Ready for your PS5 systems. The Lexar Professional NM800 PRO with Heatsink M.2 2280 NVMe SSD gives you unparalleled performance to take your PS5 gaming experience to the next level. And with up to 8TB capacity, store more of your favorite games so you never run out of room.

Energy Efficient. The Lexar Professional NM800 PRO with Heatsink M.2 2280 NVMe SSD leverages the 12nm controller to produce low power consumption and longer battery life for all your high-performance computing needs.

Built to Last. Unlike traditional hard disk drives, the Professional Lexar NM800 PRO with Heatsink M.2 2280 NVMe 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 products undergo extensive testing in the Lexar Quality Labs, facilities with thousands of different cameras and digital devices to ensure performance, quality, compatibility, and reliability.

For more than 27 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.

¹Up to 7500 MB/s read transfer, write transfer speeds lower. Speeds based on internal testing. Actual performance may vary.

²Shock resistant (1500G, duration 0.5ms, Half Sine Wave) and vibration resistant (10-2000Hz, 1.5mm, 20G, 1 Oct/min, 30min/axis(X,Y,Z)).

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

⁴Based on internal testing. Actual performance may vary.

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.

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

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Lexar Retail Sku	Capacity	Region	Single UPC Code	Inner Carton UPC Code	Inner Carton Qty
LNM800P512G-RN8NG	512GB	Global	843367128631	10843367128638	10
LNM800P001T-RN8NG	1TB		843367128648	10843367128645	
LNM800P002T-RN8NG	2TB		843367128655	10843367128652	
LNM800P004T-RN8NG	4TB		843367133192	10843367133199	
LNM800P008T-RN8NG	8TB		843367134106	10843367134103	

Specifications

Form Factor	M.2 2280
Interface	PCIe Gen4x4
Speed	512GB sequential read up to 7,450MB/s, write up to 3,500MB/s IOPS: up to 500/900K
	1TB sequential read up to 7,500MB/s, write up to 6,300MB/s IOPS: up to 1000/1100K
	2TB sequential read up to 7,500MB/s, write up to 6,500MB/s IOPS: up to 1300/1200K
	4TB sequential read up to 7300 MB/s, write up to 6400 MB/s IOPS: up to 1100/1300K
	8TB sequential read up to 7000 MB/s, write up to 6600 MB/s IOPS: up to 1000/1600K
	Operating Temperature
Storage Temperature	-40° to 85° C (-40°F to 185°F)
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: 500TBW, 1TB: 1000TBW, 2TB: 2000TBW, 4TB: 3000TBW, 8TB: 6000TBW
MTBF	1,500,000 Hours
Dimension (W x L x H)	80 x 24 x 10 mm / 3.15" x 0.94" x 0.39"
Weight	54g / 0.12 lbs

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