



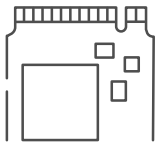
[Lexar](#) / [Product](#) / [SSD](#) / [M.2 2280 PCIe Gen 4x4](#) / Lexar® Professional NM800PRO M.2 2280 PCIe Gen4x4 NVMe SSD



# Lexar® Professional NM800PRO M.2 2280 PCIe Gen4x4 NVMe SSD

- 2TB
- 1TB
- 512GB

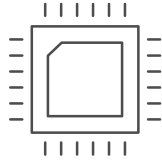
Read speed up to 7500MB/s, Write speed up to 6500MB/s



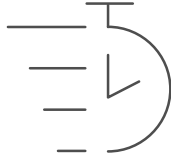
PCIe Gen4x4 Interface



NVMe 1.4 Standard



### **12nm Controller**



### **High Speed Performance**

## **Features**

### **– Unparalleled SSD Performance**

Designed for hardcore gamers, professionals and creators, the Lexar® Professional NM800 PRO M.2 2280 NVMe SSD provides unparalleled performance with speeds up to 7500MB/s read and 6500MB/s write<sup>1</sup>. Powered by PCIe Gen4x4 NVMe 1.4 technology standard, experience 2x faster speeds than PCIe 3.0 SSDs<sup>3</sup>..





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### – Push the limits with PCIe 4.0

The Lexar® Professional NM800 PRO M.2 2280 NVMe SSD is powered by PCIe Gen4x4 NVMe 1.4 technology standard so you' re able to experience 2x faster speeds than PCIe 3.0 SSDs<sup>3</sup>. It's also backwards compatible with PCIe 3.0.



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### – Ready for your PS5

Upgrade your PS5 internal storage with the compatible Lexar® NM800 PRO SSD to enjoy your games with unparalleled SSD performance. Install the NM800 PRO with the Lexar M.2 2280 SSD Heatsink (sold separately) to increase the performance and capacity on your PS5 console



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- **Low power consumption for better thermal control**

With blazing-fast performance, the Lexar® NM800 PRO SSD leverages the 12nm controller to produce lower power consumption and longer battery life for all your high-performance computing needs.

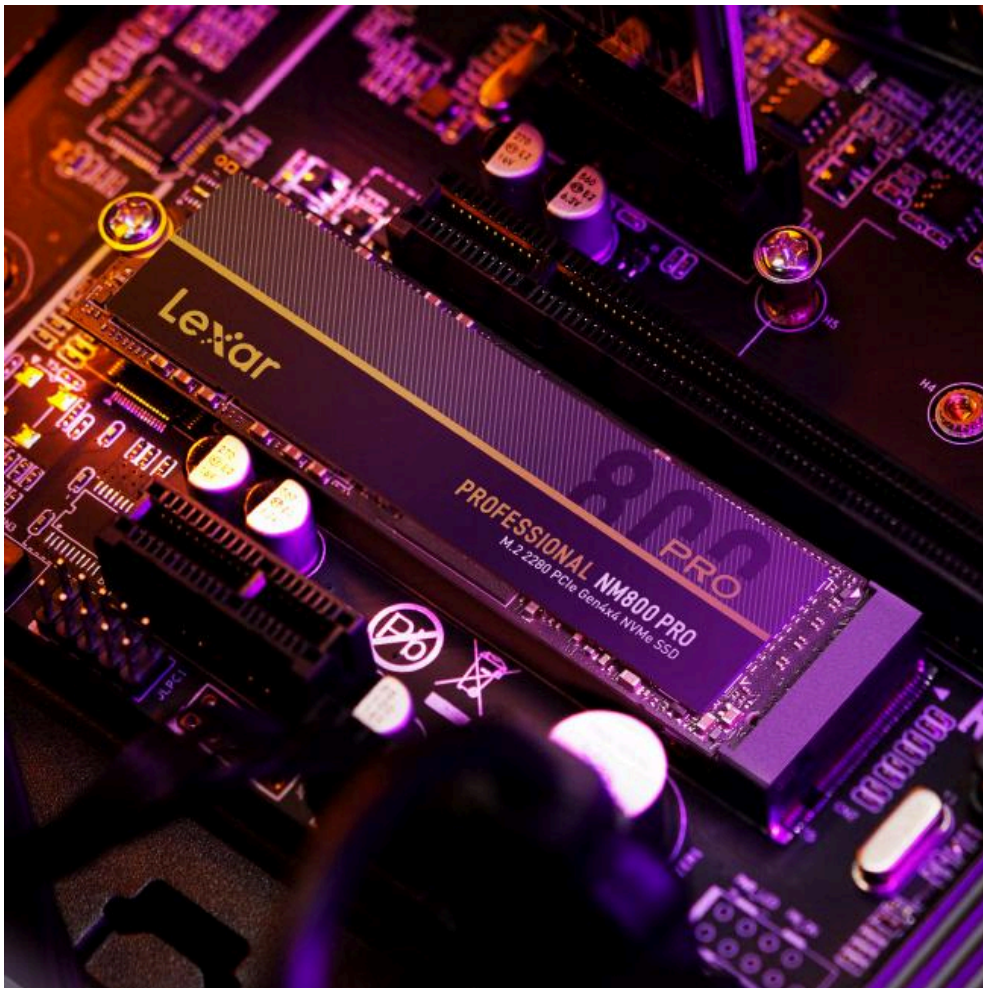




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### – Built to Last

Unlike traditional hard disk drives, the Lexar® NM800 PRO SSD has no moving parts, so it's built to last. On top of that, it's also shock and vibration resistant<sup>2</sup>, making it one robust and reliable SSD.



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## — 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.



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## Specifications

### Capacity

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512GB/1TB/2TB

### Form Factor

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M.2 2280

### Interface

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PCIe Gen4x4

### Speed

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512GB — sequential read up to 7450MB/s, sequential write up to 3500MB/s, random 4K Read/Write up to 500/900K<sup>1</sup>  
1 TB — sequential read up to 7500MB/s, sequential write up to 6300MB/s, random 4K Read/Write up to 1000/1100K<sup>1</sup>  
2TB — sequential read up to 7500MB/s, sequential write up to 6500MB/s, random 4K Read/Write up to 1300/1200K<sup>1</sup>

### Operating Temperature



0°C to 70°C (32°F to 158°F)
<b>Storage Temperature</b>
-40°C to 85°C (-40°F to 185°F)
<b>Dimension (L x W x H)</b>
80 x 22 x 2.45 mm / 3.15" x 0.87" x 0.10"
<b>Weight</b>
9g / 0.02lbs
<b>Warranty</b>
Five-year limited warranty
<b>Shock Resistant</b>
1500G, duration 0.5ms, Half Sine Wave <sup>2</sup>
<b>Vibration Resistant</b>
10~2000Hz, 1.5mm, 20G, 1 Oct/min, 30min/axis(X,Y,Z) <sup>2</sup>
<b>TBW</b>
512GB: 500TBW, 1TB: 1000TBW, 2TB: 2000TBW
<b>NAND Flash</b>
3D TLC
<b>MTBF</b>
1,500,000 Hours

<sup>1</sup>Up to 7500 MB/s read transfer, write transfer speeds lower. Speeds based on internal testing. Actual performance may vary.  
<sup>2</sup>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.  
<sup>3</sup>Comparison based on internal testing. Actual performance may vary.  
[Notes:]  
Security safeguards, by their nature, are capable of circumvention. Lexar does not guarantee data will be 100% secure from unauthorized access, alteration, or destruction.  
Actual usable memory capacity may vary. 1GB equals 1 billion bytes.  
Lexar is not liable for any loss of data or images.  
[Note:]  
[Product page only:] Product appearance, performance, software offerings, and packaging may vary depending on ship date and available inventory.

## Product Numbers

### Global

<b>Capacity</b>
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#Part

2TB

LNLM800P002T-RNNNG

1TB

LNLM800P001T-RNNNG

512GB

LNLM800P512G-RNNNG

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