



#### Product Highlights:

- Delivers read/write speeds up to **7000/6000MB/s<sup>1</sup>** for fast gameplay and boot-ups
- A 5-year limited warranty offers peace of mind
- High-quality 8-channel Gen 4 controller provides better sustained write performance while HMB and SLC cache technologies improve performance and user experience and reduce latency
- Great for laptops too thanks to its single-sided design and Intelligent Power Control
- Lexar DiskMaster SSD Management tool lets you perform firmware updates, manage the drive and its data, and monitor drive health

#### Capacities:

##### 512GB

up to 5000MB/s read, 2500MB/s write<sup>1</sup>

##### 1TB

up to 6000MB/s read, 2500MB/s write<sup>1</sup>

##### 2TB

up to 7000MB/s read, 5000MB/s write<sup>1</sup>

##### 4TB

up to 7000MB/s read, 6000MB/s write<sup>1</sup>



### High Performance at a Superior Value

With read/write speeds up to 7000/6000MB/s,<sup>1</sup> the Lexar® NQ780 M.2 2280 PCIe Gen 4x4 NVMe SSD is made to keep your games running smoothly and your work projects on time. It is designed with premium technologies that help improve performance and keep your system from lagging and Intelligent Power Control adjusts power consumption to suit the workload. The drive also comes with the Lexar DiskMaster SSD management tool so you can perform firmware updates and monitor drive health. All the performance you need at a value you'll love.

**Play Hard, Work Hard.** Read/write speeds up to 7000/6000MB/s<sup>1</sup> help deliver smooth gameplay and fast boot-ups so whether you're working or playing, you know you can perform your best.

**Exceptional Sustained Performance.** A high-quality 8-channel Gen 4 controller ensures both amazing maximum performance as well as great sustained performance.

**A State-of-the-Art Experience.** Host Memory Buffer (HMB) and SLC cache technologies improve performance and user experience by enabling faster game loads and transfers and reducing latency.

**Great for Laptops.** A single-sided design and Intelligent Power Control that manages power consumption to suit the workload, make it a great option for laptops too.

**Easy Drive Management.** The drive comes with the Lexar DiskMaster SSD Management tool, which allows you to easily perform firmware updates that enhance the drive's reliability, manage the data on the drive such as securely erasing private files, and monitor the drive's health for timely detection of potential issues.

**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 29 years, Lexar has been trusted as a 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](http://www.lexar.com).

## Specifications

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Capacity               | 512GB, 1TB, 2TB, 4TB                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form Factor            | M.2 2280                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Interface              | PCIe Gen 4x4                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Speed                  | <b>512GB:</b> Sequential read speed up to 5000MB/s <sup>1</sup> , sequential write speed up to 2500MB/s <sup>1</sup><br><b>1TB:</b> Sequential read speed up to 6000MB/s <sup>1</sup> , sequential write speed up to 2500MB/s <sup>1</sup><br><b>2TB:</b> Sequential read speed up to 7000MB/s <sup>1</sup> , sequential write speed up to 5000MB/s <sup>1</sup><br><b>4TB:</b> Sequential read speed up to 7000MB/s <sup>1</sup> , sequential write speed up to 6000MB/s <sup>1</sup> |
| Operating Temperature  | 0° to 70° C (32°F to 158°F)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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, 1Oct/min, 30min/axis (X, Y, Z)                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| TBW                    | <b>512GB:</b> 300TBW, <b>1TB:</b> 600TBW,<br><b>2TB:</b> 1200TBW, <b>4TB:</b> 2400TBW                                                                                                                                                                                                                                                                                                                                                                                                  |
| MTBF                   | 1,500,000 Hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Dimensions (W x L x H) | 80 x 22 x 2.45 mm / 3.15"x0.87"x0.10"                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Weight                 | 6g / 0.013lbs                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Warranty               | Five-year limited warranty                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

| Lexar Retail SKU   | Capacity | Region | Single UPC Code | Inner Carton UPC Code | Inner Carton Qty |
|--------------------|----------|--------|-----------------|-----------------------|------------------|
| LNQ780X512G-RNNING | 512GB    | Global | 843367140428    | 10843367140425        | 10               |
| LNQ780X001T-RNNING | 1TB      | Global | 843367137008    | 10843367137005        | 10               |
| LNQ780X002T-RNNING | 2TB      | Global | 843367137015    | 10843367137012        | 10               |
| LNQ780X004T-RNNING | 4TB      | Global | 843367137022    | 10843367137029        | 10               |
| LNQ780X001T-RNNNU  | 1TB      | NA     | 843367137039    | 10843367137036        | 10               |
| LNQ780X002T-RNNNU  | 2TB      | NA     | 843367137046    | 10843367137043        | 10               |
| LNQ780X004T-RNNNU  | 4TB      | NA     | 843367137053    | 10843367137050        | 10               |

<sup>1</sup> Up to 7000MB/s read transfer, up to 6000MB/s write. Speeds based on internal testing. Actual performance may vary.

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

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.

[www.lexar.com](http://www.lexar.com)

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