



## Product Highlights:

- Better performance for an improved user experience thanks to PCIe 4.0 interface, NVMe protocol, and HMB and SLC cache technologies
- High-performance – with sequential read/write speeds up to 7000/6000MB/s<sup>1</sup>
- High-quality 3D NAND boasts reliability and endurance
- 5-year warranty
- With good power management, you can intelligently control power consumption according to the load

## Capacities:

**500GB**  
up to 6400MB/s read, 2900MB/s write<sup>1</sup>

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

**2TB**  
up to 7000MB/s read, 6000MB/s write<sup>1</sup>

**4TB**  
up to 7000MB/s read, 6000MB/s write<sup>1</sup>



## High Performance to Power Through Your Work

Built to help you power through your workday, the Lexar® NQ790 PCIe 4.0 SSD delivers the high performance you need. Read/write speeds up to 7000/6000MB/s<sup>1</sup> ensure that it can keep up with your work pace while high-quality NAND delivers the reliability you expect from Lexar and a 5-year warranty offers further peace of mind.

**Built to Perform.** Enjoy an improved user experience thanks to the Lexar® NQ790 PCIe 4.0 SSD's PCIe 4.0 interface, NVMe protocol, and HMB and SLC cache technologies.

**Speed Through Your Work.** With sequential read/write speeds up to 7000/6000MB/s<sup>1</sup>, the drive is ready to conquer your workload and help you meet your deadlines.

**High-Quality 3D NAND in High Capacities.** Cutting-edge NAND flash delivers the reliability and endurance you depend on, in your choice of capacities.

**Comes with Peace of Mind.** Your drive is backed by 5-year warranty so you can purchase and deploy with confidence.

**Intelligent Power Control.** With good power management, you can intelligently control power consumption according to the load.

**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 28 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](http://www.lexar.com).*

Lexar Retail Sku	Capacity	Region	Single UPC Code	Inner Carton UPC Code	Inner Carton Qty
LNQ790X500G-RNNNG	500GB	Global	843367132201	10843367132208	10
LNQ790X001T-RNNNG	1TB		843367132218	10843367132215	
LNQ790X002T-RNNNG	2TB		843367132225	10843367132222	
LNQ790X004T-RNNNG	4TB		843367132232	10843367132239	
LNQ790X500G-RNNNU	500GB	North America	843367132249	10843367132246	10
LNQ790X001T-RNNNU	1TB		843367132256	10843367132253	
LNQ790X002T-RNNNU	2TB		843367132263	10843367132260	
LNQ790X004T-RNNNU	4TB		843367132270	10843367132277	
Lexar Retail Sku	Capacity	Region	Single EAN Code	Inner Carton EAN Code	Inner Carton Qty
LNQ790X500G-RNNNG	500GB	Amazon EU	4895217907831	14895217907838	10
LNQ790X001T-RNNNG	1TB		4895217907848	14895217907845	
LNQ790X002T-RNNNG	2TB		48952179078»»	14895217907852	
LNQ790X004T-RNNNG	4TB		4895217907862	14895217907869	

## Specifications

Capacity	500GB, 1TB, 2TB, 4TB
Form Factor	M.2 2280
Interface	PCIe Gen4x4
Speed	<p><b>500GB</b>—Sequential read speed up to 6400MB/s<sup>1</sup>, sequential write speed up to 2900MB/s<sup>1</sup>, random read up to 800,000 IOPs, random write up to 600,000 IOPs</p> <p><b>1TB</b>—Sequential read speed up to 7000MB/s<sup>1</sup>, sequential write speed up to 6000MB/s<sup>1</sup>, random read up to 800,000 IOPs, random write up to 600,000 IOPs</p> <p><b>2TB</b>—Sequential read speed up to 7000MB/s<sup>1</sup>, sequential write speed up to 6000MB/s<sup>1</sup>, random read up to 800,000 IOPs, random write up to 600,000 IOPs</p> <p><b>4TB</b>—Sequential read speed up to 7000MB/s<sup>1</sup>, sequential write speed up to 6000MB/s<sup>1</sup>, random read up to 800,000 IOPs, random write up to 600,000 IOPs</p>
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, 1 Oct/min, 30min/axis (X, Y, Z)
TBW	500GB: 300TBW, 1TB: 600TBW, 2TB: 1200TBW, 4TB: 2400TBW
MTBF	1,500,000 Hours
Dimensions (W x L x H)	80 x 22 x 2.45 mm / 3.15" x 0.87" x 0.10"
Weight	6g / 0.013lbs
Warranty	Five-year limited warranty

<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.

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.

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

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