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| Availability | September 2023 |
| Brand | Lexar® |
| Product Name Full | Lexar® NQ790 PCIe 4.0 SSD |
| Product Name Short | Lexar® NQ790 SSD |
| Product name for E-commerce | Lexar® NQ790 PCIe 4.0 SSD, M.2 2280 PCIe Gen4x4 NVMe, Compatible with PS5, Read Speeds Up to 7000MB/s ¹ , High Performance for Intense Workloads |
| Product Line | SSD |
| Marketing Text 25-Word Description (<small><750 characters</small>) | Built to help you power through your workday, the Lexar® NQ790 PCIe 4.0 SSD delivers the performance and reliability you need. |
| Marketing Text 50-Word Description (<small><750 characters</small>) | 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 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. |
| Bullet Feature 1 | Better performance for an improved user experience thanks to PCIe 4.0 interface, NVMe protocol, and HMB and SLC cache technologies |
| Bullet Feature 2 | High-performance – with sequential read/write speeds up to 7000/6000MB/s ¹ |
| Bullet Feature 3 | High-quality 3D NAND boasts reliability and endurance |
| Bullet Feature 4 | 5-year warranty |
| Bullet Feature 5 | With good power management, you can intelligently control power consumption according to the load |
| Footnote(s)/ Disclaimer(s) | <p>¹ Up to 7000MB/s read transfer, up to 6000MB/s write. Speeds based on internal testing. Actual performance may vary.</p> <p>Lexar is not liable for any loss of data or images.</p> <p>[Product page only] Product appearance, performance, software offerings, and packaging may vary depending on ship date and available inventory.</p> <p>Actual usable memory capacity may vary. 1GB equals 1 billion bytes.</p> |
| Warranty | Five-year limited warranty |
| Market Segment | Electronics, Computers & accessories, data storage, external solid state drives |
| Category | Gaming SSDs, Content Creator SSDs |
| Sub Category | SSD, M.2 2280 PCIe, Gen 4x4, Lexar |
| Keywords for Search | SSD, 500GB SSD, 1TB SSD, 2TB SSD, 4TB SSD, sleek SSD, compact SSD, content, data storage, content storage, high-speed SSD, storage, backup drive, M.2 2280 PCIe. PCIe, Gen 4x4, Lexar, Lexar ssd, Lexar gen 4x4, gaming SSD, SSD for gamers, Best SSD, Fastest SSD, Safest SSD, Gaming SSD, Work SSD, Content Creator SSD, best data storage, safest data storage, reliable data storage, fastest data storage, gamer ssd, professional ssd, playstation 5 ssd, desktop ssd, laptop ssd |


| Specifications | |
|------------------------------|--|
| Form Factor | M.2 2280 |
| Interface | PCIe Gen 4x4 |
| Capacities | 500GB/1TB/2TB/4TB |
| Speed | 500GB: Sequential Read up to 6400MB/s ¹ , Sequential Write Speed up to 2900MB/s ¹ , random read up to 800,000 IOPs, random write up to 600,000 IOPs 1TB: Sequential read speed up to 7000MB/s ¹ , sequential write speed up to 6000MB/s ¹ , random read up to 800,000 IOPs, random write up to 600,000 IOPs 2TB: Sequential read speed up to 7000MB/s ¹ , sequential write speed up to 6000MB/s ¹ , random read up to 800,000 IOPs, random write up to 600,000 IOPs 4TB: Sequential read speed up to 7000MB/s ¹ , sequential write speed up to 6000MB/s ¹ , random read up to 800,000 IOPs, random write up to 600,000 IOPs |
| Operating Temperature | 0°C ~ 70°C (32°F to 158°F) |
| Storage Temperature | -40°C ~ 85°C (-40°F to 185°F) |
| Shock | 1500 G, duration 0.5ms, Half Sine Wave |
| Vibration | 10-2000Hz, 1.5mm, 20G, 1 Oct/min, 30min/axis (X, Y, Z) |
| Dimension (L x W x H) | 80 x 22 x 2.45mm / 3.15" x 0.87" x 0.10" |
| TBW | 500GB: 300TBW 1TB: 600TBW 2TB: 1200TBW 4TB: 2400TBW |
| MTBF | 1,500,000 Hours |


| Ordering information | | | | |
|--|-------------------|--|--------------|----------------|
| Single UPC and / or Inner Carton UPC (Global) | Part Number | Description | Single UPC | 10-Pack UPC |
| | LNQ790X500G-RNNNG | Lexar Internal SSD NQ790 PCIe G4x4 500GB, GL | 843367132201 | 10843367132208 |
| | LNQ790X001T-RNNNG | Lexar Internal SSD NQ790 PCIe G4x4 1TB, GL | 843367132218 | 10843367132215 |
| | LNQ790X002T-RNNNG | Lexar Internal SSD NQ790 PCIe G4x4 2TB, GL | 843367132225 | 10843367132222 |
| | LNQ790X004T-RNNNG | Lexar Internal SSD NQ790 PCIe G4x4 4TB, GL | 843367132232 | 10843367132239 |
| Single UPC and / or Inner Carton UPC | LNQ790X500G-RNNNU | Lexar Internal SSD NQ790 PCIe G4x4 500GB, NA | 843367132249 | 10843367132246 |

Setup Sheet
Lexar® NQ790 M.2 2280 PCIe Gen4x4 NVMe SSD



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|---|--------------------|--|-------------------|--------------------|
| (North America) | LNQ790X001T-RNNNU | Lexar Internal SSD NQ790 PCIe G4x4 1TB, NA | 843367132256 | 10843367132253 |
| | LNQ790X002T-RNNNU | Lexar Internal SSD NQ790 PCIe G4x4 2TB, NA | 843367132263 | 10843367132260 |
| | LNQ790X004T-RNNNU | Lexar Internal SSD NQ790 PCIe G4x4 4TB, NA | 843367132270 | 10843367132277 |
| Single EAN and / or Inner Carton EAN (Amazon EU) | Part Number | Description | Single EAN | 10-Pack EAN |
| | LNQ790X500G-RNNNG | Lexar Internal SSD NQ790 PCIe G4x4 500GB, Amazon | 4895217907831 | 14895217907838 |
| | LNQ790X001T-RNNNG | Lexar Internal SSD NQ790 PCIe G4x4 1TB, Amazon | 4895217907848 | 14895217907845 |
| | LNQ790X002T-RNNNG | Lexar Internal SSD NQ790 PCIe G4x4 2TB, Amazon | 4895217907855 | 14895217907852 |
| | LNQ790X004T-RNNNG | Lexar Internal SSD NQ790 PCIe G4x4 4TB, Amazon | 4895217907862 | 14895217907869 |

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| Country and Region of Origin | Global & Amazon EU: China North America: Taiwan | |
| Harmonized Tariff Schedule | 8471.7011.00 | |
| Compliance | CE, FCC, VCCI, RCM, CMA, WEEE, UKCA | |
| Weights and Dimensions | | |
| Product | | |
| Unit Weight | 0.013 lbs | 6 g |
| Unit Dimensions (L x W x H) | 3.15" x 0.87" x 0.10" | 80mm x 22mm x 2.45mm |
| Image |  | |

| Retail Box (All Regions) | | |
|---|---|-----------------------|
| Package Type | Retail Box | |
| Qty Per Package | 1 | |
| Shipping Weight | 0.104 lbs | 47.4 g |
| Package Dimensions (L x W x H) | 6.614" x 4.133" x 0.590" | 168mm x 105mm x 15 mm |
| Image |  | |
| Small Blister – Inner Pack (All Regions) | | |
| Package Type | Inner Carton | |
| Retail Inner Pack Quantity | 10 | |
| Shipping Weight | 1.344 lbs | 0.61 kg |
| Package Dimensions (L x W x H) | 7.086" x 6.496" x 4.921" | 180mm x 165mm x 125mm |
| Small Blister – Master Pack (All Regions) | | |
| Package Type | Master Carton | |
| Retail Master Pack Quantity | 120 | |
| Shipping Weight | 18.033 lbs | 8.18 kg |
| Package Dimensions (L x W x H) | 20.078" x 14.763" x 10.826" | 510mm x 375mm x 275mm |