



Availability	October 2024
Brand	Lexar®
Product Name Full	Lexar® NM790 M.2 2280 PCIe Gen4x4 NVMe SSD
Product Name Short	Lexar® NM790 SSD
Product name for E-commerce	Lexar® NM790 M.2 2280 PCIe Gen4x4 NVMe SSD, Compatible with PS5, Read Speeds Up to 7400MB/s, for Gamers and Creators
Product Line	SSD
Marketing Text 25-Word Description (<750 characters)	Whether you're looking to defeat the competition in your favorite game or create and edit massive, high-res files, the Lexar® NM790 M.2 2280 PCIe Gen 4x4 NVMe SSD has the performance and capacity to keep up with your pursuits.
Marketing Text 50-Word Description (<750 characters)	Whether you're looking to rampage in your favorite game or create massive, high-res files, the Lexar® NM790 M.2 2280 PCIe Gen 4x4 NVMe SSD helps you get it done. It delivers incredible speeds of 7400MB/s read, 6500MB/s write thanks to its PCIe Gen4 tech, which includes HMB 3.0 and Dynamic SLC Cache. It's compatible with desktop computers, laptops, and PlayStation®5, so whatever your pursuits, it's game.
Bullet Feature 1	Exceptional performance up to 7400MB/s read, 6500MB/s write ¹
Bullet Feature 2	Capacities up to 8TB
Bullet Feature 3	Up to 40% less power consumption than DRAM cache-enabled PCIe Gen 4 SSDs ²
Bullet Feature 4	Host Memory Buffer (HMB) 3.0 activates the DRAM cache function of your device for a smoother transfer speed and seamless performance
Bullet Feature 5	Designed for hardcore gamers, professionals, and creators
Bullet Feature 6	Compatible with PlayStation®5
Footnote(s)/ Disclaimer(s)	<p>¹ Up to 7400MB/s read transfer up to 6500MB/s write. Speeds based on internal testing. Actual performance may vary.</p> <p>² Comparison 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, 512GB SSD, 1TB SSD, 2TB SSD, 4TB SSD, 8TB, USB 3.2 Gen2x2 SSD, USB Type-C SSD, sleek SSD, compact SSD, content, data storage, content storage, high-speed SSD, storage, backup drive, M.2, 2080 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 (1TB-4TB single side, 8TB double-side)
Interface	PCIe Gen 4x4
Capacities	512GB/1TB/2TB/4TB/8TB
Speed	512GB: read speed up to 7200MB/s ¹ , write speed up to 4400MB/s ¹ , random read and write speeds of up to 800,000 IOPs 1TB: read speed up to 7400MB/s ¹ , write speed up to 6500MB/s ¹ , random read up to 1,000,000 IOPs, random write up to 900,000 IOPs 2TB: read speed up to 7400MB/s ¹ , write speed up to 6500MB/s ¹ , random read up to 1,000,000 IOPs, random write up to 900,000 IOPs 4TB: read speed up to 7400MB/s ¹ , write speed up to 6500MB/s ¹ , random read and write speeds of up to 900,000 IOPs 8TB: read speed up to 7000MB/s ¹ , write speed up to 6200MB/s ¹ , random read up to 850,000 IOPs, random write up to 900,000 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	512GB: 500TBW 1TB: 1000TBW 2TB: 1500TBW 4TB: 3000TBW 8TB: 6000TBW
MTBF	1,500,000 Hours

Ordering information				
Single UPC and / or Inner Carton UPC (Global)	Part Number	Description	Single UPC	10 Pack UPC
	LNM790X512G-RNNNG	Lexar Internal SSD NM790 PCIe G4x4 512GB, Global	843367130276	10843367130273
	LNM790X001T-RNNNG	Lexar Internal SSD NM790 PCIe G4x4 1TB, Global	843367130283	10843367130280
	LNM790X002T-RNNNG	Lexar Internal SSD NM790 PCIe G4x4 2TB, Global	843367130290	10843367130297
	LNM790X004T-RNNNG	Lexar Internal SSD NM790 PCIe G4x4 4TB, GL	843367131464	10843367131461
	LNM790X008T-RNNNG	Lexar Internal SSD NM790 PCIe G4x4 8TB, GL	843367137510	10843367137517

Single UPC and / or Inner Carton UPC (North America)	LNM790X512G-RNNNU	Lexar Internal SSD NM790 PCIe G4x4 512GB, NA	843367131372	10843367131379
	LNM790X001T-RNNNU	Lexar Internal SSD NM790 PCIe G4x4 1TB, NA	843367131365	10843367131362
	LNM790X002T-RNNNU	Lexar Internal SSD NM790 PCIe G4x4 2TB, NA	843367131358	10843367131355
	LNM790X004T-RNNNU	Lexar Internal SSD NM790 PCIe G4x4 4TB, NA	843367131440	10843367131447
	LNM790X008T-RNNNU	Lexar Internal SSD NM790 PCIe G4x4 8TB, NA	843367137534	10843367137531
Single EAN and / or Inner Carton EAN (Amazon)	Part Number	Description	Single EAN	10 Pack EAN
	LNM790X512G-RNNNG	Lexar Internal SSD NM790 PCIe G4x4 512GB, Amazon	4895217907640	14895217907647
	LNM790X001T-RNNNG	Lexar Internal SSD NM790 PCIe G4x4 1TB, Amazon	4895217907633	14895217907630
	LNM790X002T-RNNNG	Lexar Internal SSD NM790 PCIe G4x4 2TB, Amazon	4895217907626	14895217907623
	LNM790X004T-RNNNG	Lexar Internal SSD NM790 PCIe G4x4 4TB, Amazon	4895217907756	14895217907753
	LNM790X008T-RNNNG	Lexar Internal SSD NM790 PCIe G4x4 8TB, Amazon	4895217917212	14895217917219
Country of Origin	Global & Amazon: China North America: Taiwan			
Harmonized Tariff Schedule	8523.51			
Compliance	512GB-4TB: KC, BSMI, CE, FCC, VCCI, RCM, CMA, WEEE, UKCA 8TB: 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