

Setup Sheet

Lexar® NM790 with Heatsink M.2 2280 PCIe Gen 4x4 NVMe SSD



Availability	July 2023
Brand	Lexar®
Product Name Full	Lexar® NM790 with Heatsink M.2 2280 PCIe Gen 4x4 NVMe SSD
Product Name Short	Lexar® NM790 SSD with Heatsink
Product name for E-commerce	Lexar® NM790 with Heatsink M.2 2280 PCIe Gen 4x4 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 with Heatsink 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 with Heatsink 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 Gen 4 tech, which includes HMB 3.0 and Dynamic SLC Cache. It's compatible with desktop computers, laptops, and the 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	2x faster than PCIe Gen 3 SSDs ²
Bullet Feature 3	Designed with a heatsink to keep your rig cool for better performance and power efficiency
Bullet Feature 4	Up to 40% less power consumption than DRAM cache-enabled PCIe Gen 4 SSDs ²
Bullet Feature 5	Host Memory Buffer (HMB) 3.0 activates the DRAM cache function of your device for a smoother transfer speed and seamless performance
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, 1TB SSD, 2TB SSD, 4TB SSD, PCIe4.0 SSD, NVMe SSD, High performance SSD, sleek SSD, compact SSD, content, data storage, content storage, high-speed SSD, best storage, backup drive, best SSD, SSD with Heatsink, Heatsink SSD, Gaming SSD, Low temp SSD, Best Gaming SSD, Best SSD with heatsink, Best heatsink SSD, Best gaming SSD with heatsink, Best low temp memory, High performance SSD with Heatsink, fastest gaming SSD, Playstation SSD

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Specifications	
Form Factor	M.2 2280
Interface	PCIe Gen 4x4
Capacities	1TB/2TB/4TB
Speed	1TB: sequential read speed up to 7400MB/s ¹ , sequential write speed up to 6500MB/s ¹ , random read up to 1,000,000 IOPs, random write up to 900,000 IOPs 2TB: sequential read speed up to 7400MB/s ¹ , sequential write speed up to 6500MB/s ¹ , random read up to 1,000,000 IOPs, random write up to 900,000 IOPs 4TB: sequential read speed up to 7400MB/s ¹ , sequential write speed up to 6500MB/s ¹ , random read and write speeds of 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)
Dimensions (L x W x H)	80 x 24 x 9.7 mm / 3.15" x 0.94" x 0.39"
TBW	1TB: 1000TBW 2TB: 1500TBW 4TB: 3000TBW
MTBF	1,500,000 Hours


Ordering Information				
	Part Number	Description	Single UPC	10-Pack UPC
Single UPC and / or Inner Carton UPC (Global)	LNM790X001T-RN9NG	Lexar Internal SSD NM790 with LPAH200 PCIe G4x4 1TB, GL	843367131242	10843367131249
	LNM790X002T-RN9NG	Lexar Internal SSD NM790 with LPAH200 PCIe G4x4 2TB, GL	843367131259	10843367131256
	LNM790X004T-RN9NG	Lexar Internal SSD NM790 with LPAH200 PCIe G4x4 4TB, GL	843367131518	10843367131515
Single UPC and / or Inner Carton UPC (North America)	LNM790X001T-RN9NU	Lexar Internal SSD NM790 with LPAH200 PCIe G 4x4 1TB, NA	843367131488	10843367131485
	LNM790X002T-RN9NU	Lexar Internal SSD NM790 with LPAH200 PCIe G 4x4 2TB, NA	843367131495	10843367131492

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	LNM790X004T-RN9NU	Lexar Internal SSD NM790 with LPAH200 PCIe G 4x4 4TB, NA	843367131501	10843367131508
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Country and Region of Origin	Global SKU: China North America SKU: Taiwan		
Harmonized Tariff Schedule	8471.7011.00		
Compliance	CE, FCC, VCCI, RCM, CMA, WEEE, UKCA		
Weight and Dimensions			
Product			
Unit Weight	0.107lbs	48.6g	
Unit Dimensions (L x W x H)	3.15" x 0.94" x 0.39"	80mm x 22mm x 9.7mm	
Image			

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Retail Box (All Regions)		
Package Type	Retail Box	
Qty Per Package	1	
Shipping Weight	0.172lbs	78.1g
Package Dimensions (L x W x H)	4.134" x 0.590" x 5.511"	105mm x 15mm x 140 mm
Image		
Small Blister – Inner Pack (All Regions)		
Package Type	Inner Carton	
Retail Inner Pack Quantity	10	
Shipping Weight	2.38 lbs	1.08 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	80	
Shipping Weight	20.70 lbs	9.39 kg
Package Dimensions (L x W x H)	15.078" x 13.779" x 11.023"	383mm x 350mm x 280mm