Setup Sheet

Lexar® EQ790 with Heatsink M.2 2280 PCIe Gen4x4 NVMe SSD

Availability	July 2025
Brand	Lexar®
Product Name Full	Lexar® EQ790 with Heatsink PCIe 4.0 SSD
Product Name Short	Lexar® EQ790 with Heatsink SSD
Product name for E-commerce	Lexar® EQ790 with Heatsink M.2 2280 PCIe Gen 4x4 NVMe SSD, Compatible with PS5, Read Speeds up to 7000MB/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® EQ790 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® EQ790 with Heatsink M.2 2280 PCIe Gen 4x4 NVMe SSD helps you get it done. It delivers incredible speeds of 7000MB/s read, 6000MB/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	**Unmatched Speed for Peak Performance** Experience blazing-fast performance with the Lexar® EQ790 M.2 2280 PCIe Gen 4x4 NVMe SSD, delivering double the speed of PCIe Gen 3 SSDs[2]. Whether you're gaming, creating, or multitasking, this drive keeps up with your demands effortlessly.
Bullet Feature 2	**Stay Cool Under Pressure** Equipped with an integrated heatsink, the Lexar® EQ790 with Heatsink ensures optimal thermal management. Enjoy consistent high-speed performance, enhanced power efficiency, and reliable cooling—ideal for intense gaming sessions on PlayStation®5 or high-performance PC workloads.
Bullet Feature 3	**Compatible with PS5** Features an integrated heatsink to maintain optimal temperatures during extended gaming sessions. Its high-speed PCIe Gen4 performance ensures seamless 4K gameplay and fast load times, making it the perfect upgrade for your PS5.
Bullet Feature 4	**Energy-Efficient Without Compromise** The EQ790 consumes up to 40% less power than DRAM cache-enabled PCIe Gen 4 SSDs[2], reducing energy costs and extending laptop battery life. Power meets efficiency for uninterrupted productivity and play.
Bullet Feature 5	**Built for Gamers and Creators** Whether you're a competitive gamer, creative professional, or power user, the Lexar® EQ790 SSD delivers the speed and reliability needed to elevate your experience—from rendering large files to loading games in a flash.
Footnote(s)/ Disclaimer(s)	[1] Up to 7000MB/s read transfer, up to 6000MB/s write. Speeds based on internal testing. Actual performance may vary. [2] Comparison based on internal testing. Actual performance may vary. Lexar is not liable for any loss of data or images. [Product page only] 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.
Warranty	Five-year limited warranty
Market Segment	Electronics, Computers & accessories, data storage, external solid state drives

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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

Specifications	
Form Factor	M.2 2280
Interface	PCIe Gen 4x4
Capacities	1TB/2TB/4TB
Speed	1TB: Sequential read speed up to 7000MB/s[1], sequential write speed up to 5000MB/s[1] 2TB: Sequential read speed up to 7000MB/s[1], sequential write speed up to 5000MB/s[1] 4TB: Sequential read speed up to 7000MB/s[1], sequential write speed up to 6000MB/s[1]
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 24 x 9.7 mm / 3.15” x 0.94” x 0.39”
TBW	1TB: 600TBW 2TB: 1200TBW 4TB: 2400TBW
MTBF	1,500,000 Hours

Ordering information				
Single UPC and / or Inner Carton UPC (AMAZON)	**Part Number**	**Description**	**Single UPC**	**10-Pack UPC**
	LEQ790X001T-RN6NG	Lexar Internal SSD EQ790 with LPAH210 PCIe G4x4 1TB, Amazon	4895217918707	14895217918704
	LEQ790X002T-RN6NG	Lexar Internal SSD EQ790 with LPAH210 PCIe G4x4 2TB, Amazon	4895217918714	14895217918711
	LEQ790X004T-RN6NG	Lexar Internal SSD EQ790 with LPAH210 PCIe G4x4 4TB, Amazon	4895217918721	14895217918728

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Country and Region of Origin	China	
Harmonized Tariff Schedule	8523.51	
Compliance	CE, FCC, VCCI, RCM, CMA, WEEE, UKCA	
Weights and Dimensions		
Product		
Unit Weight	0.107 lbs	48.6 g
Unit Dimensions (L x W x H)	3.15” x 0.94” x 0.39”	80mm x 22mm x 9.7mm
Image		
Retail Box (All Regions)		
Package Type	Retail Box	
Qty Per Package	1	
Shipping Weight	0.172 lbs	78.1 g
Package Dimensions (L x W x H)	6.500” x 4.133” x 0.590”	165mm x 105mm x 15 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	21.30 lbs	9.66 kg
Package Dimensions (L x W x H)	15.08” x 13.78” x 11.02”	383mm x 350mm x 280mm