Lexar

Brand	Lexar
Product Name Full	Lexar Professional NM800 PRO with Heatsink M.2 2280 PCIe Gen4x4 NVMe SSD
Product Name Short	Lexar NM800PRO with Heatsink SSD
Product Line	SSD
Marketing Text Long 25-Word Description (<750characters)	Engineered for hardcore gamers, professionals and creators who demand high-performance computing, the Lexar Professional NM800 PRO with Heatsink M.2 PCIe Gen4x4 NVMe SSD features a cooling Heatsink and delivers unparalleled speeds up to 7500MB/s read and up to 6500MB/s[1] write.
Marketing Text 50-Word Description (<750characters)	Designed for hardcore gamers, professionals and creators, the Lexar Professional NM800 PRO with Heatsink M.2 2280 NVMe SSD provides unparalleled performance with speeds up to 7500MB/s read and 6500MB/s write[1]. It's powered by PCIe Gen4x4 NVMe 1.4 technology standard so you can experience 2x faster speeds than PCIe 3.0 SSDs[3], and features an integrated Heatsink to keep your system cool for unmatched performance.
Bullet Feature 1	Next-Gen PCIe Gen4x4 SSD Technology with cooling Heatsink-compatible with PlayStation® 5 and PCs.
Bullet Feature 2	Integrated Heatsink reduces heat for better performance and power efficiency to level up your gaming experience. Able to reduce temperatures by up to 30%[4].
Bullet Feature 3	Unparalleled speed PCIe Gen4x4 interface: 7500MB/s read and 6500MB/s write[1] – NVMe 1.4, with M.2 2280 form factor.
Bullet Feature 4	Leverages the latest 12nm controller providing lower power consumption and longer battery life.
Bullet Feature 5	Large capacity options up to 8TB.
Bullet Feature 6	Designed for hardcore gamers, professionals and creators.
Bullet Feature 7	Shock and vibration resistant with no moving parts[2].
Bullet Feature 8	Five-year limited warranty.
Footnote(s)/ Disclaimer(s)	[1]Up to 7500 MB/s read transfer, write transfer speeds lower. Speeds based on internal testing. Actual performance may vary. [2]Shock resistant (1500G, duration 0.5ms, Half Sine Wave) and vibration resistant (10~2000Hz, 1.5mm, 20G, 1 Oct/min, 30min/axis(X,Y,Z)). [3]Comparison based on internal testing. Actual performance may vary. [4]Based on internal testing. Actual performance may vary. Security safeguards, by their nature, are capable of circumvention. Lexar does not guarantee data will be 100% secure from unauthorized access, alteration, or destruction. Actual usable memory capacity may vary. 1GB equals 1 billion bytes. 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.

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Warranty	Five-year limited warranty
Market Segment	Electronics, Computers & accessories, data storage, external solid state drives
Category	Solid state drives
Sub Category	SSD,M.2 2280 PCIe, Gen4x4 , Lexar
Keywords for Search	Solid-state drive, PCI Express, NVM Express, M.2, PlayStation® 5, M.2 Heatsink

Specificatios	
Form Factor	M.2 2280
Interface	PCIe Gen4x4
Capacities	512GB / 1TB / 2TB / 4TB/ 8TB
Speed	**512GB:** Sequential read speed up to 7450MB/s, sequential write speed up to 3500MB/s[1], random 4K R/W up to 500K/900K IOPS **1TB:** Sequential read speed up to 7500MB/s, sequential write speed up to 6300MB/s[1], random 4K R/W up to 1000K/1100K IOPS **2TB:** Sequential read speed up to 7500MB/s, sequential write speed up to 6500MB/s[1], random 4K R/W up to 1300K/1200K IOPS **4TB**：sequential read up to 7300 MB/s, sequential write up to 6400 MB/s[1] random 4K R/W up to 1100/1300K IOPS **8TB**：sequential read up to 7000 MB/s, sequential write up to 6600 MB/s[1] random 4K R/W up to 1000/1600K 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 24 x 10 mm / 3.15” x 0.87” x 0.39”
TBW	512GB: 500TBW，1TB: 1000TBW，2TB: 2000TBW，4TB：3000TBW，8TB：6000TBW
MTBF	1,500,000 Hours
NAND flash	3D TLC

Ordering informatin				
	Part Number	**Description**	**Single UPC**	**10 Pack UPC**
Single and/or Master Carton UPC (North America)	MNM800P512G-RA8NU	Lexar Internal SSD NM800 Pro PCIe G4x4 512B, for Micronet, with LPAH100	843367130498	10843367130495
	MNM800P001T-RA8NU	Lexar Internal SSD NM800 Pro PCIe G4x4 1TB, for Micronet, with LPAH100	843367130504	10843367130501

	Part Number	Description	Single UPC	10 Pack UPC
	LNM800P002T-RA8NU	Lexar Internal SSD NM800 Pro PCIe G4x4 1TB, for Micronet, with LPAH100	843367130511	10843367130518
	LNM800P004T-RA8NU	Lexar Internal SSD NM800 Pro PCIe G4x4 4TB, NA, with LPAH100	843367133208	10843367133205
	LNM800P008T-RA8NU	Lexar Internal SSD NM800 Pro PCIe G4x4 8TB, NA, with LPAH100	843367134113	10843367134110
Single UPC and/or Master Carton UPC (Global)	**Part Number**	**Description**	**Single UPC**	**10 Pack UPC**
	LNM800P512G-RN8NG	Lexar Internal SSD NM800 Pro PCIe G4x4 512GB, GL, with LPAH100	843367128631	10843367128638
	LNM800P001T-RN8NG	Lexar Internal SSD NM800 Pro PCIe G4x4 1TB, GL, with LPAH100	843367128648	10843367128645
	LNM800P002T-RN8NG	Lexar Internal SSD NM800 Pro PCIe G4x4 2TB, GL, with LPAH100	843367128655	10843367128652
	LNM800P004T-RN8NG	Lexar Internal SSD NM800 Pro PCIe G4x4 4TB, GL, with LPAH100	843367133192	10843367133199
	LNM800P008T-RN8NG	Lexar Internal SSD NM800 Pro PCIe G4x4 8TB, GL, with LPAH100	843367134106	10843367134103

Country and Region of Origin	GL:China NA Taiwan
Harmonized Tariff Schedule	8471.7011.00
Compliance	FCC, CE, Recycle, WEEE, C-Tick, China RoHS, VCCI

Weights and Dimensions

Product		
Unit Weight	0.12 lbs	54g
Unit Dimensions	3.15" L x 0.87" W x 0.39" H	80mm L x 22mm W x 10mm H
Image		

Retail Box (All Regions)		
Package Type	Retail Box	
Qty Per Package	1	
Shipping Weight	0.227lbs	103g
Package Dimensions (L x W x H)	4.134" L x 0.590" W x 5.511" H	105mm L x 15mm W x 140 mm H
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" L x 6.496" W x 4.921" H	180mm L x 165mm W x 125mm H
Small Blister - Master Pack (All Regions)		
Package Type	Master Carton	
Retail Master Pack Quantity	80	
Shipping Weight	21.032 lbs	9.54 kg
Package Dimensions (L x W x H)	15.078" L x 13.779" W x 11.023" H	383mm L x 350mm W x 280mm H