

NM610PRO M.2 2280 PCIe Gen3x4 NVMe SSD

August 2022

Launch Communication

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Positioning

NM610PRO M.2 2280 PCIe Gen3x4 NVMe SSD

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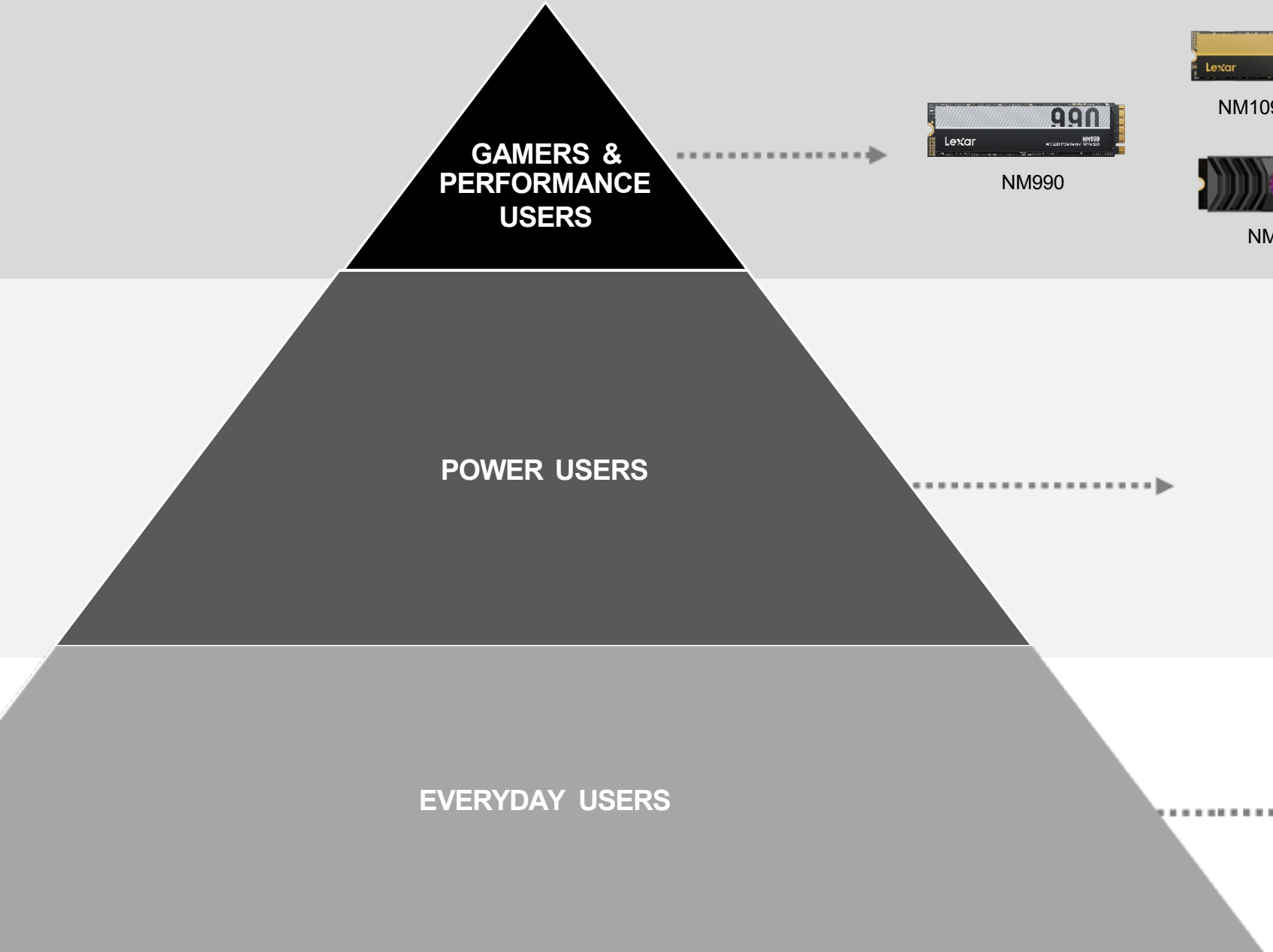
MAINSTREAM	Gen 5	Gen 4	Gen 3
HIGH PERFORMANCE	 **NM1090 PRO** NVMe PCIe Gen5x4 RW up to 14000/13000MB/s* 1TB-4TB  **NM990** NVMe PCIe Gen5x4 RW up to 14000/11000MB/s* 1TB-4TB  **NM1090** NVMe PCIe Gen5x4 RW up to 12000/11000MB/s* 1TB-2TB	 **NM800 PRO with Heatsink** NVMe PCIe Gen4x4 RW up to 7500/6500MB/s* 512GB-8TB  **NM800 PRO** NVMe PCIe Gen4x4 RW up to 7500/6500MB/s* 512GB-4TB  **NM790 with Heatsink** PCIe Gen4x4 RW up to 7400/6500MB/s* 1TB-4TB  **NM790** NVMe PCIe Gen4x4 RW up to 7400/6500MB/s* 512GB-4TB	
MAINSTREAM	 **NQ790** PCIe Gen4x4 RW up to 7000/6000MB/s* 500GB-2TB  **NQ780** PCIe Gen4x4 RW up to 7000/6000MB/s* 1TB-4TB  **PLAY2280** PCIe Gen4x4 RW up to 7400/6500MB/s* 2TB-8TB	 **PLAY 2230** PCIe Gen4x4 RW up to 5200/4700MB/s* 1TB	 **NM620** NVMe PCIe Gen3x4 RW up to 3500/3000MB/s* 256GB-2TB
ENTRY LEVEL	 **NM710** PCIe Gen4x4 RW up to 5000/4500MB/s* 500GB-2TB  **NQ700** PCIe Gen4x4 RW up to 4500/3000MB/s* 1TB-2TB	 **NQ710** PCIe Gen4x4 RW up to 5000/4000MB/s* 500GB-4TB	 **NM610 PRO** NVMe PCIe Gen3x4 RW up to 3300MB/s* 250GB-2TB

* Based on internal testing. Actual performance may vary.

Segmentation

NM610PRO M.2 2280 PCIe Gen3x4 NVMe SSD

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NM990



NM1090 PRO



NM800 PRO with Heatsink



NM790 with Heatsink



NM1090



NM800 PRO



NM790



NQ780



NQ790



PLAY2280



PLAY 2230



NM620



NQ700



NM710



NQ710



NM610 PRO

Target Market

NM610PRO M.2 2280 PCIe Gen3x4 NVMe SSD

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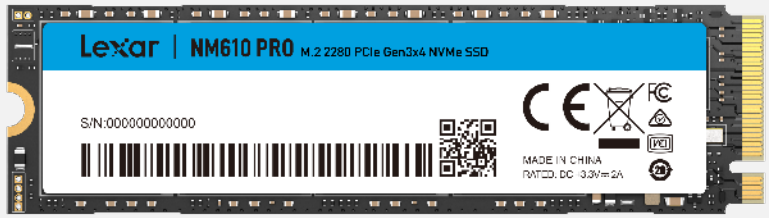


Ideal for PC Enthusiasts who want upgrade their PC or build one from scratch for faster boot-ups and app load times.

Product Overview

NM610PRO M.2 2280 PCIe Gen3x4 NVMe SSD

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Get 6x the speed of a SATA-based SSD[3]	Ideal for PC Enthusiasts	Compact and Slim
Upgrade to the Lexar NM610 PRO M.2 2280 PCIe Gen3x4 NVMe SSD and get 6x the speed of a SATA-based SSD[3]. With PCIe 3.0 and NVMe 1.4 technology standard, and speeds of up to 3300MB/s[1] read, experience faster performance so you can do more in less time.	With fast transfer speeds of up to 3300MB/s[1] read, the Lexar NM610 PRO M.2 2280 PCIe Gen3x4 NVMe SSD is the ideal choice for PC enthusiast upgrading their PC building one from scratch for faster boot-ups and app load times.	Featuring a compact and light M.2 2280 form factor, the Lexar NM610 PRO M.2 2280 PCIe Gen3x4 NVMe SSD supports easier installation on your laptop or PC.

- Capacity: 250GB, 500GB, 1TB, 2TB
- Speed: Sequential Read up to 3300 MB/s[1]
- Shock and vibration resistant with no moving parts[2]

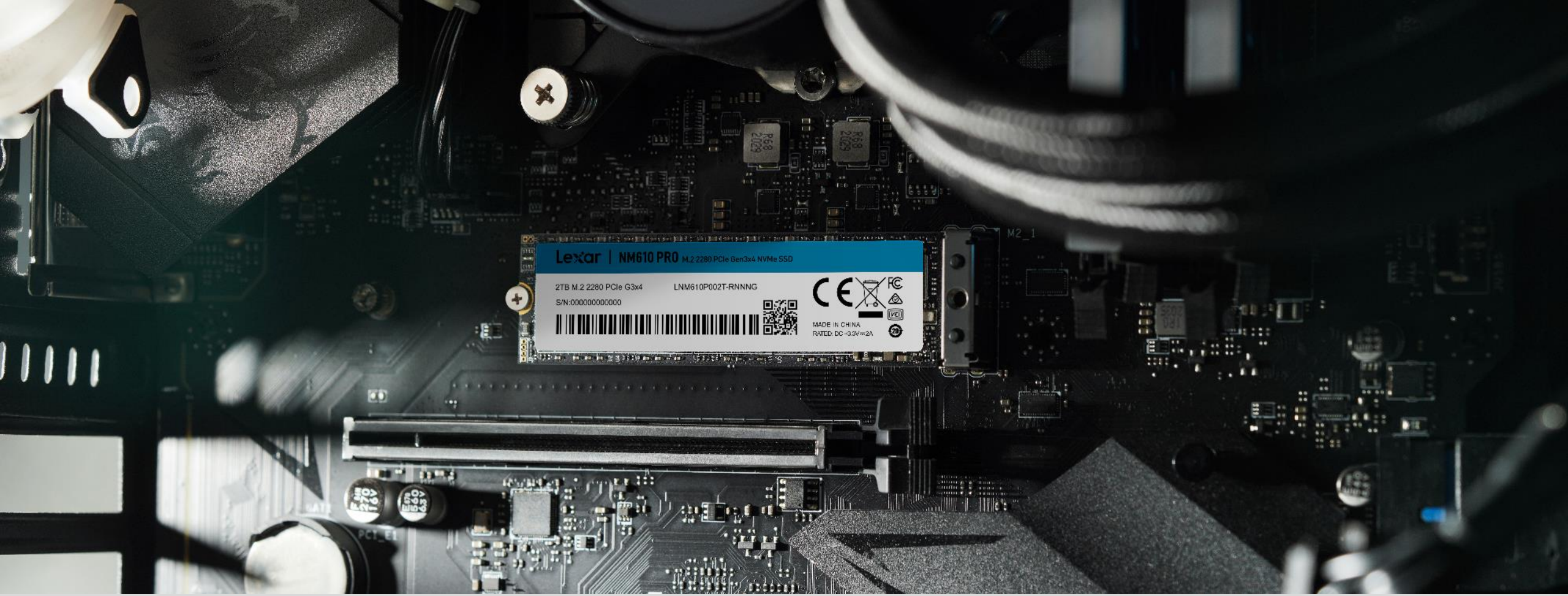
High-speed performance

NVMe 1.4 technology Standard

PCIe Gen3x4 interface

Compact and Slim

[1] Up to 3300MB/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)). Based on internal testing. Actual performance may vary.
[3] Comparison based on internal testing. Actual performance may vary.



Boost your computing experience with faster performance

Designed to elevate your PC experience with faster load times and transfer speeds from boot-up to shut down, the Lexar NM610 PRO M.2 2280 PCIe Gen3x4 NVMe SSD will boost your computing experience with speeds up 3300MB/s[1]. It's supported by the PCIe Gen3x4 NVMe 1.4 technology standard for higher performance and efficiency.

[1] Up to 3300MB/s read transfer, write transfer speeds lower. Speeds based on internal testing. Actual performance may vary.



Get 6x the speed of a SATA-based SSD[3]

Upgrade to the Lexar NM610 PRO M.2 2280 PCIe Gen3x4 NVMe SSD and get 6x the speed of a SATA-based SSD[3]. With PCIe 3.0 and NVMe 1.4 technology standard, and speeds of up to 3300MB/s[1] read, experience faster performance so you can do more in less time.

Ideal for PC Enthusiasts

With fast transfer speeds of up to 3300MB/s[1], the Lexar NM610 PRO M.2 2280 PCIe Gen3x4 NVMe SSD is the ideal choice for PC enthusiast upgrading their PC building one from scratch for faster boot-ups and app load times.



[1]Up to 3300MB/s read transfer, write transfer speeds lower. Speeds based on internal testing. Actual performance may vary.
[3]Comparison based on internal testing. Actual performance may vary.



Compact and Slim

Featuring a compact and light M.2 2280 form factor, the Lexar NM610 PRO M.2 2280 PCIe Gen3x4 NVMe SSD supports easier installation on your laptop or PC.

Built to last

Unlike traditional hard disk drives, the NM610 PRO SSD has no moving parts, so it’s built to last. On top of that, it’s also shock and vibration resistant[2], making it one robust and reliable SSD.



[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)). Based on internal testing. Actual performance may vary.

Specification

NM610PRO M.2 2280 PCIe Gen3x4 NVMe SSD

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Product	NM610PRO M.2 2280 NVMe SSD
Capacity	250GB, 500GB, 1TB， 2TB
Forma Factor	M.2 2280
Interface	PCIe Gen3x4
Speed	250GB— read up to 3000MB/s[1] 500GB— read up to 3000MB/s[1] 1TB—read up to 3300MB/s[1] 2TB—read up to 3300MB/s[1]
Operating Temperature	0°C to 70°C (32°F to 158°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Shock Resistant	1500G, duration 0.5ms, Half Sine Wave[2]
Vibration Resistant	10~2000Hz, 1.5mm, 20G, 1 Oct/min, 30min/axis(X,Y,Z)[2]
TBW	250GB: 60TB, 500GB: 120TB, 1TB: 240TB, 2TB: 480TB
MTBF	1,500,000 Hours
Dimension (L x W x H)	80 mm x 22 mm x 2.45 mm / 3.15” x 0.87” x 0.10”
Weight	9g
Warranty	Three-year limited warranty



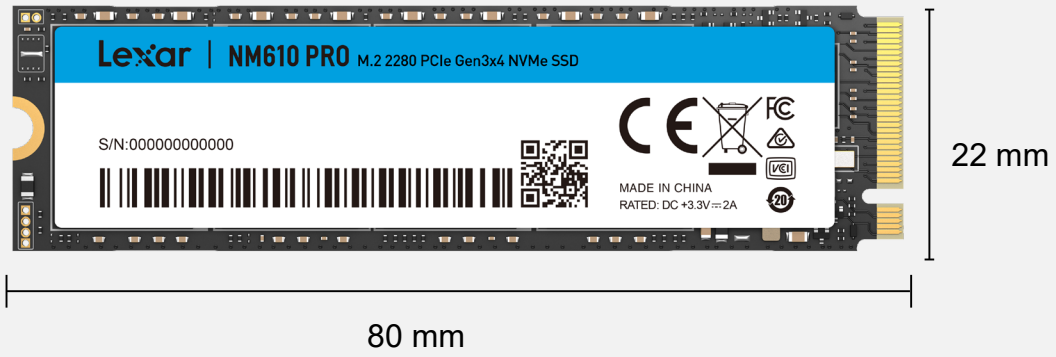
Global Version

[1]Up to 3300MB/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)). Based on internal testing. Actual performance may vary.

SKU/UPC

NM610PRO M.2 2280 PCIe Gen3x4 NVMe SSD

Region	Oracle Item Number	Lexar Retail Sku	Material Description	Capacity	Lexar Single UPC/EAN Code	Master Carton UPC/EAN Code	Master Carton Qty
Global	ZJPL007C0179	LNM610P250G-RNNNG	Lexar Internal SSD NM610 Pro PCIe G3x4 250GB, Global	250GB	843367131921	10843367131928	10
Global	ZJPL007C0043	LNM610P500G-RNNNG	Lexar Internal SSD NM610 Pro PCIe G3x4 500GB, Global	500GB	843367128730	10843367128737	10
Global	ZJPL007C0041	LNM610P001T-RNNNG	Lexar Internal SSD NM610 PCIe G3x4 1TB, Global	1TB	843367128723	10843367128720	10
Global	ZJPL007C0042	LNM610P002T-RNNNG	Lexar Internal SSD NM610 PCIe G3x4 2TB, Global	2TB	843367128716	10843367128713	10





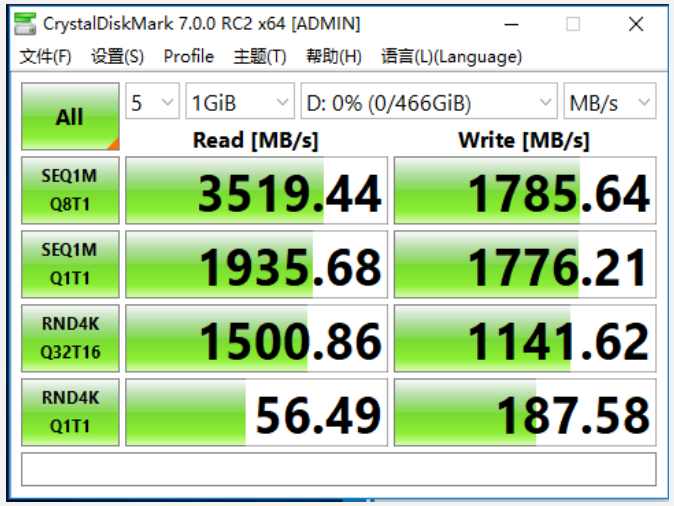
System Performance

NM610PRO M.2 2280
PCIe Gen3x4 NVMe SSD

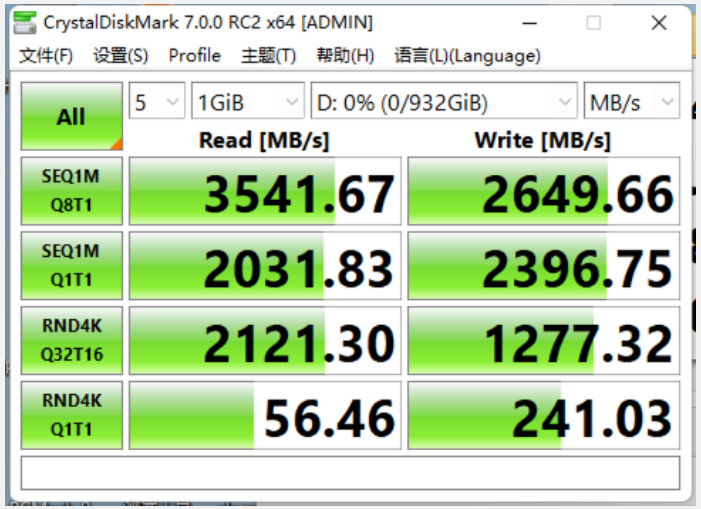
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Testing parameters:

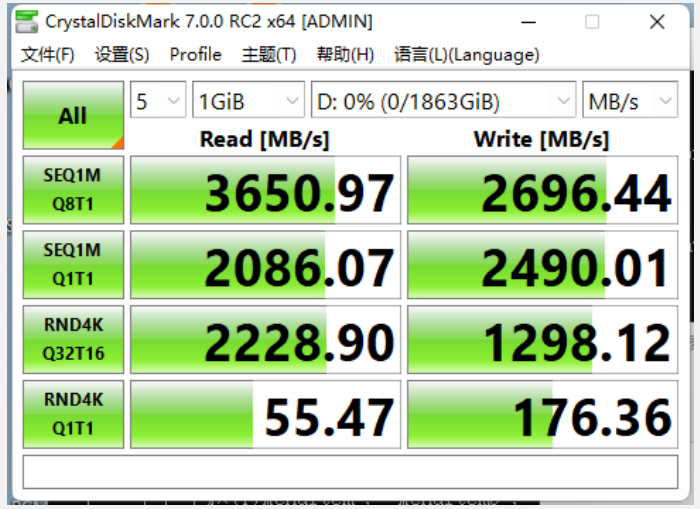
- CPU:Intel i5 8400
- Motherboard:ASROCK H370 PRO4
- Memory: 16GB
- OS: Windows 10 64bit
- Interface: PCIe 3.0x4
- Testing tool: CrystalDiskMark7_0_0



500GB



1TB



2TB



THANK YOU