



Product Highlights:

- Upgrade from SATA to an entry-level PCIe NVMe performance
- Faster speeds of up to 1650MB/s read and 1000MB/s write¹
- M.2 2242 form factor
- Get 2.5x the speed of a SATA-based SSD²
- Ideal for smaller notebooks
- 3D NAND
- Shock and vibration resistant with no moving parts³
- Three-year limited warranty

Capacities:

- 128GB**
(up to 1550MB/s read, 530MB/s write¹)
- 256GB**
(up to 1650MB/s read, 950MB/s write¹)
- 512GB**
(up to 1650MB/s read, 1000MB/s write¹)



Take the next step in high computing performance

The Lexar® NM520 M.2 2242 NVMe SSD lets you wake up your PC with a performance upgrade from SATA to an entry-level PCIe NVMe for faster startups, data transfers and application loads. With speeds 2.5x quicker than a SATA SSD², your PC will be ready to take on more and finish faster than ever with read speeds up to 1650MB/s¹. The NM520 is supported by the PCIe Gen3x2 NVMe 1.2 technology standard and built with 3D NAND flash for higher capacity and more efficiency without unnecessary slowdowns.

More powerful than SATA SSDs. With the PCIe Gen3x2 NVMe 1.2 standard you get sequential read speed up to 1650MB/s¹, giving you 2.5x the performance of SATA SSDs². The NM520 is also built with 3D NAND flash.

Outstanding endurance. With outstanding endurance thanks to no moving parts it's cooler, quieter, and more reliable than a traditional hard disk drive, plus it's also shock and vibration resistant³.

Efficient. Reduced power consumption and cooler operation makes the battery life last longer than an HDD.

Rigorously tested. All Lexar product designs undergo extensive testing in the Lexar Quality Labs, facilities with more than 1,100 digital devices, to ensure performance, quality, compatibility, and reliability.

For more than 20 years, Lexar has been trusted as a leading global brand of memory solutions. Our award-winning lineup includes memory cards, USB flash drives, card readers, and solid-state drives. With so many options, it's easy to find the right Lexar solution to fit your needs. Lexar products are available worldwide at major retail and e-tail stores. For more information or support, visit www.lexar.com.

Specifications

Color	Black (PCB)
Capacity	128GB, 256GB, 512GB
Form Factor	M.2 2242
Interface	PCIe Gen3x2
Speed	128GB sequential read up to 1,550MB/s, write up to 530MB/s IOPS: 84/90K
	256GB sequential read up to 1,650MB/s, write up to 950MB/s IOPS: 90/92K
	512GB sequential read up to 1,650MB/s, write up to 1,000MB/s IOPS: 92/92K
Operating Temperature	0° to 70° C
Storage Temperature	-40° to 85° C
Shock Resistant	1500G, duration 0.5ms, Half Sine Wave
Vibration Resistant	10~2000Hz, 1.5mm, 20G, 1 Oct/min, 30min/axis(X,Y,Z)
TBW	128GB: 60TB, 256GB: 120TB, 512GB: 240TB
DWPD	128GB: 0.46, 256GB: 0.46, 512GB: 0.46
MTBF	1,500,000 Hours
Dimension (W x L x H)	42 x 22 x 2.25 mm
Weight	4g
Certification	CE, FCC, VCCI, C-tick

¹ Up to 1650MB/s read transfer, write transfer speeds lower. Speeds based on internal testing. Actual performance may vary.

² Comparison based on internal testing. Actual performance may vary.

³ 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.

NOTE:

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.

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