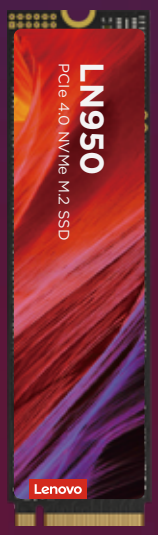
LN950 PCIe 4.0 SSD

The Lenovo LN950 SSD combines cutting-edge performance with up to 7200 MB/s read speeds and 4 TB capacity in a sleek, single-sided form factor. Designed for gamers, enthusiasts and professionals, it features advanced thermal management for optimal efficiency, ensuring peak performance and compatibility, including PS5 compatibility, in a compact package.



7200 MB/s Read

Up to 4 TB

Single-sided Design

Excellent Temperature Control

Product Features

High-Speed Performance

Lenovo LN950 leverages cutting-edge technology with its 4-channel PCIe Gen4 x 4 controller and NVMe 2.0 support, delivering fast sequential read speeds of up to 7200 MB/s. Designed to lift gaming and esports experiences to new heights, this SSD ensures minimal loading times and unparalleled performance.

Huge Storage Capacity

Lenovo LN950 is available with up to 4 TB capacity. More storage for game libraries, extensive file collections, and multimedia content, ensuring your essentials can always be within reach.

Superior Temperature Management

Engineered with an advanced Thermal Throttle and Power Management system, LN950 balances temperature control and power efficiency. This dual approach not only prevents abnormal heat generation but also optimizes power use, ensuring your device runs cooler and more efficiently under any load.

Sleek, Single-Sided Design

Featuring a single-sided design, Lenovo LN950 not only comes with a slim and lightweight profile but also offers perfect device compatibility. Its validated support for diverse platforms, including PS5, makes it the ideal upgrade for a wide range of electronic devices.

Lenovo Advantages

Since 1995 Lenovo has shipped more than half a billion PCs and makes three devices every second. Now a world-leading technology solutions company, Lenovo's vision of "Smarter technology for all" has always been about shaping computing intelligence to create a better world.

By designing, producing, and marketing an officially licensed range of Lenovo branded SSDs, BIWIN embraces Lenovo's vision of Smarter Technology for All.

LN950 PCIe 4.0 SSD Product Specifications

Interface	PCIe Gen 4 x 4, NVMe 2.0			
Form Factor	M.2 2280			
Capacity	500 GB	1 TB	2 TB	4 TB
Sequential Read Speed (Up to)	6300 MB/s	7200 MB/s	7200 MB/s	7200 MB/s
Sequential Write Speed (Up to)	3100 MB/s	6200 MB/s	6200 MB/s	6200 MB/s
4K Random Read Speed (Up to)	550 K IOPS	1000 K IOPS	1000 K IOPS	1000 K IOPS
4K Random Write Speed (Up to)	550 K IOPS	800 K IOPS	800 K IOPS	800 K IOPS
Max. Power Consumption (Read)	3.10 W	3.10 W	3.30 W	3.70 W
Max. Power Consumption (Write)	3.20 W	3.40 W	3.70 W	4.40 W
Max. Power Consumption (Idle)	40 mW	40 mW	40 mW	40 mW
Dimensions	80.00 x 22.00 x 2.40 mm (Single side)			
Weight	< 10 g			
MTBF	1,500,000 hours			
Operating Temperature	0 °C to 70 °C			
Storage Temperature	-40 °C to 85 °C			
Shock Resistance	100 G / 6 ms			
Vibration Resistance	3.1 GRMS (2-500 Hz)			
Certifications	CE, UKCA, RCM, BSMI, KC, RoHS, CB, VCCI, WHQL			
Warranty	5-Year / 250 TBW	5-Year / 500 TBW	5-Year / 1000 TBW	5-Year / 2000 TBW

1. Maintenance and future updates are required throughout product life cycle. Specifications are subject to change without notice.
2. The pictures are for illustration only. Actual product may vary due to product enhancements or changes.
3. Not all products are sold in all regions of the world.
4. As used for storage capacity, one megabyte (MB) = one million bytes, one gigabyte (GB) = one billion bytes, and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment. As used for buffer or cache, one megabytes (MB) = 1,048,576 bytes. As used for transfer rate or interface, megabyte per second (MB/s) = one million bytes per second, and gigabyte per second (GB/s) = one billion bytes per second.
5. Measured using the MobileMark™ 2012 benchmark with DIPM (Device Induced Power Management) enabled.
6. MTBF = Mean Time Between Failures based on internal testing using Telcordia stress testing standard.
7. Please visit www.lenovo-storagecom for more details.

Smarter technology for all

Lenovo