



NV7200 SSD



PCIe Gen4x4



NVMe 2.0



More Effective
Heat Dissipation



Up to 4 TB

Biwin NV7200 M.2 SSD uses the PCIe Gen4x4 interface and NVMe 2.0 to deliver read speeds up to 7200 MB/s. Equipped with a graphene thermal pad and temperature control algorithms, NV7200 effectively dissipates heat while maintaining speed, and power efficiency for sustained performance. The single-sided design makes NV7200 compatible with a wide range of devices.

► Product Features

Blazing-fast Speed Boosts Efficiency

Using NVMe 2.0 PCIe Gen4x4 interface, NV7200 delivers read speed up to 7200 MB/s and random read/write performance up to 1000K/800K IOPS, meeting not only the needs of daily use but also intensive applications such as AI, video editing, 3D modeling and others.

Efficient Heat Dissipation

NV7200 ensures rapid heat dissipation by the graphene thermal pad and temperature control algorithms, effectively reducing working temperature. The design guarantees stable performance even under heavy loads, ensuring reliable and consistent operation for high-demand applications.

Extensive Capacities for Various Needs

With capacities up to 4TB, the NV7200 offers extensive storage space, ideal for storing games, files, and videos. It ensures enough capacity to manage all your digital content without worrying about running out of space.

Wide Compatibility with Single-sided Design

NV7200 M.2 SSD adopts a single-sided design, fully compatible with desktops, laptops, gaming consoles, and PS5. Its extensive adaptability allows for seamless integration across various devices, enhancing the overall user experience by providing versatility and convenience for all your storage needs.

► Biwin Storage

For decades, Biwin has made the critical storage and memory in many of the leading digital devices that have defined our digital world. The Biwin consumer brand offers the best of Biwin's experience, a range of SSDs, DRAM, memory cards and related accessories that will help you get the most out of your devices.

Our cutting-edge facilities use the latest technologies including our own chip packaging, software and hardware labs, state-of-the-art clean rooms, and our own award-winning manufacturing equipment. We are especially proud of our extraordinary rigorous chain of testing that assures you we're working to bring you the best in reliability.

► Specifications

Model	Biwin NV7200			
Form Factor	M.2 2280			
Interface	PCIe Gen4×4, NVMe 2.0			
DRAM Cache	DRAM-less			
Capacity	500 GB	1 TB	2 TB	4 TB
Sequential Read (Up to)	6300 MB/s	7200 MB/s	7200 MB/s	7200 MB/s
Sequential Write (Up to)	3100 MB/s	6200 MB/s	6200 MB/s	6200 MB/s
Random Read 4K (Up to)	550K IOPS	1000K IOPS	1000K IOPS	1000K IOPS
Random Write 4K (Up to)	550K IOPS	800K IOPS	800K IOPS	800K IOPS
Dimensions	80.00 x 22.00 x 2.45 mm (single-sided)			
Weight	< 9 g			
Operating Temperature	0°C to +70°C			
Storage Temperature	-40°C to +85°C			
MTBF	1,500,000 hours			
Certifications	CE, FCC, RoHS, CB, KCC, BSMI, VCCI, RCM, UKCA			
Warranty	5-Year / 200 TBW	5-Year / 400 TBW	5-Year / 800 TBW	5-Year / 1600 TBW

1. Tested by BIWIN labs. Actual performance may vary due to systems, devices, or environment.

2. Maintenance and future updates are required throughout the product life cycle. Specifications are subject to change without notice.

3. The pictures are for illustration only. Actual products may vary due to product enhancements or changes.

4. Not all products are sold in all regions of the world.

5. 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 the operating environment. As used for buffer or cache, one megabyte (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.

6. MTBF = Mean Time Between Failures based on internal testing using Telcordia stress testing standard.

7. For more details, please visit www.biwintech.com.

Global Headquarters:

BIWIN STORAGE TECHNOLOGY CO., LTD.

Building #4, South Zone #2, Zhongguan Honghualing Industrial Zone,

Nanshan District, Shenzhen, Guangdong, China

support@biwintech.com

www.biwintech.com

America Headquarters:

BIWIN TECHNOLOGY LLC

8725 NW 18th Terrece Suite 400, Miami, FL 33172, U.S.A

+1 (305) 456-3288

BIWIN SEMICONDUCTOR (HK) COMPANY LIMITED (Taipei Office)

2nd Floor, No. 158, Xinhua 2nd Road, Neihu District, Taipei City 114, Taiwan

+886 (2) 2795-282

