



BIWINTECH

Biwintech NX500

Biwintech NX500 adopts M.2 ports and supports 4-channel PCIe 3.0 and Nvme1.3 standards. It can be used with high-end desktops and business notebooks to fully satisfy the demands for performance and stability of DIY installers, e-sports gamers, professional media workers, and business elites. The strict quality control standards of Biwintech have been implemented to ensure product reliability and stability, in addition to providing a 5-year limited warranty service.



Product Features

Read speed up to 2100MB/s

Biwintech NX500 has a read speed of up to 2100MB/s, greatly shortening computer boot times and accelerating program startup, application loading, and data transmission.

Adopted 4-channel PCIe master control

Biwintech NX500 is equipped with a PCIe master control with 4 flash memory channels. It has adopted M.2 ports, and supports new generation NVMe1.3 protocol. From notebooks, desktops to 2-in-1 computers, its potential is fully realized.

Capacities up to 1TB

Biwintech NX500 has a capacity of up to 1TB, which can easily expand the storage space of your computer. No matter how large the data is, it can be stored for you.

Passed multiple rigorous tests

From design to material selection, from production to quality control, Biwintech NX500 is held to stringent standards higher than the industry norm, and has gone through layers of testing before it is finally delivered to you.

Product Applications

Biwintech NX500 is a new generation of ultra-thin and high-performance storage devices. It is widely applicable for major mainstream brands of notebooks and desktops (with PCIe M.2 interface). NX500 can provide better performance, lower latency, and lower power consumption.

Biwintech Advantage

Over the past 25 years, Biwin has excelled in the field of storage with strong capabilities in product development, hardware design, firmware algorithms, and closed-loop manufacturing. Our focus is providing premium storage products for customers worldwide. In 2020, Biwin expanded horizontally and launched Biwintech, a consumer grade storage brand. Compared to traditional hard drives, Biwintech SSDs improve the operation and performance of laptops and desktops, including: Exceptional read/write speeds, improved launch times, faster loading of applications, longer battery life, and improved resistance against vibrations.

Quality assurance for Biwintech SSDs begins from the design stage and continues through to production and sales. Feedback is eventually integrated into the development and design process to ensure that products are reliable during use. Biwintech boasts a comprehensive after-sales network and multiple service locations nationwide. We will diligently provide solutions for any issues you have with our products, and you can find more information at the official Biwintech website.

Biwintech NX500 SSD Product Specifications

Basic Specifications			
Interface	PCIe Gen3.0 x4, NVMe 1.3		
Capacity	256GB	512GB	1TB
Performance			
Max. sequential read speed (MB/s)	1900	2000	2100
Max. sequential write speed (MB/s)	1300	1600	1700
Max. random read speed (IOPS)	170K	200K	250K
Max. random write speed(IOPS)	100K	240K	260K
Power			
Max. working power (W)	3.21	3.47	3.90
Max. power in idle state (W)	0.50	0.50	0.54
DEVSLP (mW)	5	5	5
Form Factors			
Dimensions	80 x 22 x 2.8mm (L x W x H)		
Weight	≤ 7.9g±3g		
Reliability			
MTBF	≤ 2,000,000 hours		
Environment			
Storage Temperature	-40°C - 85°C		
Operating Temperature	0°C - 70°C		
Vibration Resistance	100G/6msec		
Impact Resistance	6.0667G RMS (20-2000Hz)		
Certifications	CE, FCC, RoHS		
Warranty	5 years or 140TBW	5 years or 290TBW	5 years or 600TBW

