



HW100 DDR4 Memory



Speeds up to
3600 MT/s



Ultra-low
Latency CL16



Wide
Compatibility



Exceptional Heat
Dissipation

The Biwin HW100 DDR4 memory provides a powerful performance boost with speeds up to 3600 MT/s and ultra-low latency of CL16. This memory is ideal for gaming, video editing, and rendering. Compatible with both Intel and AMD systems, it delivers peak performance across a wide range of setups. An enhanced aluminum heatsink and thermal pad keep it cool even during heavy workloads, ensuring stable and reliable operation.

► Product Features

Experience DDR4 Performance

The Biwin HW100 delivers DDR4 performance at 3600 MT/s and is optimized for demanding tasks such as immersive gaming, complex video editing, and data processing. Upgrade your computing experience with faster load times, smoother transitions, and enhanced performance.

Ultra-low Latency for Faster Response

Unlock peak performance with the Biwin HW100, featuring XMP 2.0 support and ultra-low CL16 latency. Enabling XMP 2.0 allows users to effortlessly optimize memory performance with a simple BIOS adjustment. The HW100 combines precision, reliability, and speed to give you the competitive advantage you need.

Better Heat Dissipation for More Stable Performance

With a reinforced aluminum heatsink and high thermal conductivity silicone pad, the Biwin HW100 ensures more stable performance under heavy workloads, keeping your system cool during intense gaming sessions or demanding tasks. With its robust design and efficient cooling, the HW100 optimizes both performance and longevity.

Universal Compatibility for Intel and AMD

The Biwin HW100 is designed to deliver high performance on both Intel and AMD platforms. Whether you're building a gaming rig or workstation, or upgrading your existing setup, the HW100 guarantees seamless performance across a wide range of systems. The Biwin HW100 is a reliable, compatible performance boost for your build.

► Biwin Storage

For decades, Biwin has made the critical storage and memory you'll find 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, USBs, 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 ensures we're offering you the best in reliability.

► Specifications

Model Name	Biwin HW100			
RAM Type	DDR4 UDIMM			
Color	Black / White			
Capacity	8 GB (8 GB x 1)	16 GB (8 GB x 2)	16 GB (16 GB x 1)	32 GB (16 GB x 2)
Data Rate	3200 MT/s, 3600 MT/s			
Timing	CL16 / CL18			
Operating Voltage	1.35 / 1.40 V			
Dimensions	136.19 x 50.24 x 8.40 mm			
Operating Temperature	0°C to +85°C			
Storage Temperature	-55°C to +100°C			
Certifications	CE, FCC, RoHS, VCCI, RCM, BSMI, UKCA, WEEE, KCC			
Warranty	Limited Lifetime			

► Order Information

Part Number	Capacity	Rank	Data Rate (MT/s)	Timing	Voltage	Package	Color	Warranty	OC Support
BXH43236HW1-D16FB	32 GB	2R x 8	3600	CL16-20-20-39	1.4 V	16GB x 2pcs	Black	Lifetime	XMP2.0
BXH43236HW1-D16FW	32 GB	2R x 8	3600	CL16-20-20-39	1.4 V	16GB x 2pcs	White	Lifetime	XMP2.0
BXH43236HW1-D18EB	32 GB	2R x 8	3600	CL18-22-22-42	1.35 V	16GB x 2pcs	Black	Lifetime	XMP2.0
BXH43236HW1-D18EW	32 GB	2R x 8	3600	CL18-22-22-42	1.35 V	16GB x 2pcs	White	Lifetime	XMP2.0
BXH43236HW1-D18FB	32 GB	1R x 8	3600	CL18-22-22-42	1.4 V	16GB x 2pcs	Black	Lifetime	XMP2.0
BXH43236HW1-D18FW	32 GB	1R x 8	3600	CL18-22-22-42	1.4 V	16GB x 2pcs	White	Lifetime	XMP2.0
BXH46432HW1-D16EB	64 GB	2R x 8	3200	CL16-20-20-38	1.35 V	32GB x 2pcs	Black	Lifetime	XMP2.0
BXH46432HW1-D16EW	64 GB	2R x 8	3200	CL16-20-20-38	1.35 V	32GB x 2pcs	White	Lifetime	XMP2.0
BXH46436HW1-D18EB	64 GB	2R x 8	3600	CL18-22-22-42	1.35 V	32GB x 2pcs	Black	Lifetime	XMP2.0
BXH46436HW1-D18EW	64 GB	2R x 8	3600	CL18-22-22-42	1.35 V	32GB x 2pcs	White	Lifetime	XMP2.0
BXH41632HW1-S18EB	16 GB	2R x 8	3200	CL18-20-20-38	1.35 V	16GB x 1pcs	Black	Lifetime	XMP2.0
BXH41632HW1-S18EW	16 GB	2R x 8	3200	CL18-20-20-38	1.35 V	16GB x 1pcs	White	Lifetime	XMP2.0

BXH43232HW1-D18EB	32 GB	2R x 8	3200	CL18-20-20-38	1.35 V	16GB x 2pcs	Black	Lifetime	XMP2.0
BXH43232HW1-D18EW	32 GB	2R x 8	3200	CL18-20-20-38	1.35 V	16GB x 2pcs	White	Lifetime	XMP2.0
BXH41632HW1-D16EB	16 GB	1R x 8	3200	CL16-20-20-38	1.35 V	8GB x 2pcs	Black	Lifetime	XMP2.0
BXH41632HW1-D16EW	16 GB	1R x 8	3200	CL16-20-20-38	1.35 V	8GB x 2pcs	White	Lifetime	XMP2.0
BXH48G32HW1-S16EB	8 GB	1R x 8	3200	CL16-20-20-38	1.35V	8GB x 1pcs	Black	Lifetime	XMP2.0
BXH48G32HW1-S16EW	8 GB	1R x 8	3200	CL16-20-20-38	1.35V	8GB x 1pcs	White	Lifetime	XMP2.0

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 lifecycle. 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. Instructions for purchasing high-frequency memory: Overclocking memory needs to be equipped with a matching motherboard and processor to exert its overclocking performance. Please verify prior to purchase whether your motherboard and CPU support the specifications of Biwin DRAM. Activate XMP after installation to enjoy the overclocking speed.
6. For detailed compatibility information, including supported motherboards and validated configurations, please refer to the official memory module compatibility list (QVL). We recommend reviewing the list before purchase to ensure optimal integration and performance.
7. Please visit www.biwintech.com for more details.

Global Headquarters:

 BIWIN STORAGE TECHNOLOGY CO., LTD.
 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



Statement Regarding the Data Rates of Memory Products

The maximum data rates indicated for memory products are overclocking performance metrics achievable under specific conditions and are not the default out-of-the-box frequencies. Please find the complete details below:

1 INTEL® XMP/ AMD EXPO™ Function Must Be Enabled

This product is an overclocking-type memory module. The stated maximum data rate can only be achieved by manually enabling INTEL® XMP or AMD EXPO™ in the motherboard BIOS. If this function is not enabled, the memory will run at the default JEDEC standard frequency and will not reach its stated maximum performance.

2 Any Stated Data Rate Depends on Hardware Compatibility

Achieving the stated maximum data rate depends on system hardware and software conditions, including the CPU model, motherboard chipset, BIOS version, and memory slot configuration. Before purchasing, please be sure to consult the official QVL (Qualified Vendor List) and compatibility notes to confirm that your hardware configuration is supported.

3 Risk Warning for Overclocking and Additional Settings

This product comes with preset overclocking parameters as determined by extensive testing in our labs. Manual overclocking beyond the official presets (including adjusting frequency, timings, voltage, etc.) is not recommended. Unauthorized custom operations may lead to:

- System instability, blue screens, crashes, or restarts
- Damage to memory, CPU, motherboard, or other hardware
- Data loss, file corruption, or system crashes
- Voiding of the product warranty

4 Performance Description and Advertising Compliance Statement

All stated performance parameters that accompany our products are test results obtained under ideal laboratory conditions. They are provided for product specification purposes only and do not constitute a promise or guarantee of any user's actual operational results, speed, or stability. Actual operating frequencies and performance may vary due to differences in equipment; no absolute uniform effect is guaranteed.

5 Limitation of Liability

The company and its authorized distributors shall not be liable for breach of contract or tort for any direct or indirect losses (including but not limited to hardware damage, data loss, business interruption, or failure to achieve stated performance) resulting from failure to operate according to instructions, failure to enable XMP/E.X.P.O, hardware incompatibility, unauthorized overclocking, improper system settings, or other related causes. Product warranty is subject to the official warranty terms; improper operation will void the warranty.

By confirming the purchase, installing, or using this product, the user is deemed to have read, understood, and agreed to all terms of this statement, and to be fully aware of the conditions required to achieve the performance of overclocked memory and the associated potential risks. If you have any questions regarding product specifications, usage conditions, or compatibility, please contact official technical support before purchasing.