



Black Opal HX100 DDR5 Memory



One-Click
Overclocking



PMIC



Premium
DRAM ICs



Optimized Heat
Dissipation

Biwin HX100 DDR5 High-Performance Memory with great overclocking potential stands out with its exceptional design aesthetics and strong performance. HX100 has won the “Oscars” of the design world – the German Red Dot Award. Combining design excellence, efficient heat dissipation, advanced PMIC and high-quality ICs HX100 is compatible with major platforms. The HX100 modules are perfect for overclocking enthusiasts, PC builders and competitive gamers, ensuring top-tier performance in intense scenarios.

► Product Features

Premium Heat Dissipation, Stable Overclocking

The special design of Biwin HX100 features a high-efficient thermal conductive silicone pad and the highest-grade aluminum heat spreader with parallel cooling fins, forming an armor that combines aesthetics with cooling efficiency.

PMIC, Unlocked Voltage

Equipped with an unlocked PMIC for better overclocking, Biwin HX100 offers a continuous and stable power delivery, satisfying your exploration of memory overclocking.

DDR5 Overclocking, Superior Gaming Performance

With gaming-grade performance, high frequency, and low latency, HX100 is designed for gamers and overclocking enthusiasts, supporting intense competitions.

Supporting XMP 3.0 and AMD EXPO

Biwin HX100 supports overclocking with XMP 3.0 and AMD EXPO to unlock high-speed with one click, and to help you outpace your gaming competitors right from the start.

► Biwin Storage Black Opal Series

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.

Biwin Black Opal is especially designed for gamers, enthusiasts, modders and overclockers seeking top-tier performance. It is the result of years of experience in SSDs and DRAM manufacturing. The quality is top tier and results from a fusion of technological experiences. The durability matches the more strenuous needs of gamers, content providers and professional users.

► Specifications

Model Name	Biwin Black Opal HX100
RAM Type	DDR5 Heatsink UDIMM
Color	Black / Silver
Capacity	24 GB: 24 GB x 1 32 GB: 16 GB x 2 48 GB: 24 GB x 2 64 GB: 32 GB x 2
Data Rate	6000 / 6400 / 6600 / 6800 / 7200 MT/s
Timing	CL28 / CL30 / CL32 / CL34 / CL36
Rank	1R x 8 / 2R x 8
Operating Voltage	1.35 V / 1.40 V
Pin	288 Pin
Dimensions	136.60 x 47.00 x 8.40 mm
Operating Temperature	0°C to +85°C
Storage Temperature	-40°C to +85°C
Certifications	FCC, CE, KCC, BMSI, RCM, WEEE, RoHS, UKCA, VCCI
Warranty	Limited Lifetime*

► Order Information

Part Number	Capacity	Rank	Data Rate (MT/s)	Timing	Voltage	Package	Color
BXH52460HX1-D30FB	24 GB	1R x 8	6000	CL30-36-36-72	1.4 V	24 GB x 1pcs	Black
XH52460HX1-D30FS	24 GB	1R x 8	6000	CL30-36-36-72	1.4 V	24 GB x 1pcs	Silver
BXH53260HX1-D28FB	32 GB	1R x 8	6000	CL28-35-35-72	1.4 V	16 GB x 2pcs	Black
BXH53260HX1-D28FS	32 GB	1R x 8	6000	CL28-35-35-72	1.4 V	16 GB x 2pcs	Silver
BXH53260HX1-D28GB	32 GB	1R x 8	6000	CL28-35-35-72	1.45 V	16 GB x 2pcs	Black
BXH53260HX1-D28GS	32 GB	1R x 8	6000	CL28-35-35-72	1.45 V	16 GB x 2pcs	Silver
B5HX100326030ER2G-BB001	32 GB	1R x 8	6000	CL30-38-38-76	1.35 V	16 GB x 2pcs	Black

B5HX100326030ER2G-BS001	32 GB	1R × 8	6000	CL30-38-38-76	1.35 V	16 GB x 2pcs	Silver
BXH53260HX1-D36DB	32 GB	1R × 8	6000	CL36-45-45-96	1.3 V	16 GB x 2pcs	Black
BXH53260HX1-D36DS	32 GB	1R × 8	6000	CL36-45-45-96	1.3 V	16 GB x 2pcs	Silver
B5HX100326834FR2G-BB003	32 GB	1R × 8	6800	CL34-45-45-108	1.4 V	16 GB x 2pcs	Black
B5HX100326834FR2G-BS003	32 GB	1R × 8	6800	CL34-45-45-108	1.4 V	16 GB x 2pcs	Silver
BXH54860HX1-D28FB	48 GB	1R × 8	6000	CL28-36-36-72	1.4 V	24 GB x 2pcs	Black
BXH54860HX1-D28FS	48 GB	1R × 8	6000	CL28-36-36-72	1.4 V	24 GB x 2pcs	Silver
B5HX100486834ER2G-BB011	48 GB	1R × 8	6800	CL34-46-46-108	1.35 V	24 GB x 2pcs	Black
B5HX100486834ER2G-BS011	48 GB	1R × 8	6800	CL34-46-46-108	1.35 V	24 GB x 2pcs	Silver
B5HX100487236ER2G-BB012	48 GB	1R × 8	7200	CL36-46-46-115	1.35 V	24 GB x 2pcs	Black
B5HX100487236ER2G-BS012	48 GB	1R × 8	7200	CL36-46-46-115	1.35 V	24 GB x 2pcs	Silver
B5HX100646030ER2G-BB006	64 GB	2R × 8	6000	CL30-38-38-76	1.35 V	32 GB x 2pcs	Black
B5HX100646030ER2G-BS006	64 GB	2R × 8	6000	CL30-38-38-76	1.35 V	32 GB x 2pcs	Silver
B5HX100646432FR2G-BB007	64 GB	2R × 8	6400	CL32-39-39-102	1.4 V	32 GB x 2pcs	Black
B5HX100646432FR2G-BS007	64 GB	2R × 8	6400	CL32-39-39-102	1.4 V	32 GB x 2pcs	Silver

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.

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 Terrace 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



**Lifetime
Warranty**