



Black Opal DW100 DDR5 RGB Memory



Up to
8400 MT/s



Efficient Heat
Dissipation

PMIC

Unlocked
PMIC



Support for
Intel & AMD

Unlock your overclocking potential with Biwin DW100 DDR5 RGB Memory. Biwin DW100 delivers up to 8400 MT/s, ensuring top-tier performance for gaming, creative work, and productivity tasks. Its advanced cooling system guarantees consistent stability, even under heavy loads. Dynamic RGB lighting adds visually striking elements to your setup.

► Product Features

Unleash Peak Performance at 8400MT/s

Experience the cutting-edge power of DDR5 with Biwin DW100. Super-fast speeds and processing power come together to speed up your most demanding gaming, creative, and professional tasks.

Steady Thermal Management

Biwin DW100's three-fin cooling design maximizes the surface area for better heat dissipation. The heat dissipation architecture, preventing overheating, ensures significant thermal control and stable operation even under intense workloads.

Color Your Gaming with RGB Lighting

Biwin DW100 features premium RGB lighting effects that deliver vivid uniform illumination. Compatible with major motherboard lighting control software, the dynamic system allows users to switch between various modes such as static and breathing modes easily.

Supporting Intel & AMD, Easier One-click Overclocking

Supporting both Intel and AMD, Biwin DW100 brings you top-tier overclocking potential while maintaining stability and extraordinary speed. The unlocked PMIC and a durable 10-layer PCB offer optimized power delivery, ensuring your system performs best.

► 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 durability matches the more strenuous needs of gamers, content providers and professional users.

► Specifications

Model Name	Biwin Black Opal DW100
RAM Type	DDR5 RGB UDIMM
Color	Black / White
Capacity	32 GB: 16 GB x 2 48 GB: 24 GB x 2 64 GB: 32 GB x 2 96 GB: 48 GB x 2
Data Rate	6000 / 6400 / 6600 / 6800 / 7200 / 7600 / 8000 / 8200 / 8400 MT/s
Timing	CL28 / CL30 / CL32 / CL34 / CL36 / CL40
Rank	1R x 8 / 2R x 8
Operating Voltage	1.35 V / 1.40 V / 1.45 V
Dimensions	136.19 x 50.24 x 8.40 mm
Operating Temperature	0°C to +85°C
Storage Temperature	-40°C to +85°C
Certifications	CE, FCC, RoHS, VCCI, RCM, BSMI, UKCA
Warranty	Limited Lifetime

► Order Information

Part Number	Capacity	Rank	Data Rate	Timing	Voltage	Package	Color	Warranty
BXL53260DW1-D28FB	32 GB	1R × 8	6000	CL28-35-35-72	1.4 V	16 GB x 2pcs	Black	Lifetime
BXL53260DW1-D28FW	32 GB	1R × 8	6000	CL28-35-35-72	1.4 V	16 GB x 2pcs	White	Lifetime
B5DW100326030ER2G-CB001	32 GB	1R × 8	6000	CL30-38-38-76	1.35 V	16 GB x 2pcs	Black	Lifetime
B5DW100326030ER2G-CW001	32 GB	1R × 8	6000	CL30-38-38-76	1.35 V	16 GB x 2pcs	White	Lifetime
BXL53260DW1-D36DB	32 GB	1R × 8	6000	CL36-45-45-96	1.3 V	16 GB x 2pcs	Black	Lifetime
BXL53260DW1-D36DW	32 GB	1R × 8	6000	CL36-45-45-96	1.3 V	16 GB x 2pcs	White	Lifetime
B5DW100326832FR2G-CB004	32 GB	1R × 8	6800	CL32-45-45-108	1.4 V	16 GB x 2pcs	Black	Lifetime
B5DW100326832FR2G-CW004	32 GB	1R × 8	6800	CL32-45-45-108	1.4 V	16 GB x 2pcs	White	Lifetime
B5DW100327234FR2G-CB005	32 GB	1R × 8	7200	CL34-45-45-115	1.4 V	16 GB x 2pcs	Black	Lifetime
B5DW100327234FR2G-CW005	32 GB	1R × 8	7200	CL34-45-45-115	1.4 V	16 GB x 2pcs	White	Lifetime
B5DW100328036GR2G-CB007	32 GB	1R × 8	8000	CL36-48-48-126	1.45 V	16 GB x 2pcs	Black	Lifetime
B5DW100328036GR2G-CW007	32 GB	1R × 8	8000	CL36-48-48-126	1.45 V	16 GB x 2pcs	White	Lifetime
BXL53280DW1-D36GB	32 GB	1R × 8	8000	CL36-48-48-126	1.45 V	16 GB x 2pcs	Black	Lifetime
BXL53280DW1-D36GW	32 GB	1R × 8	8000	CL36-48-48-126	1.45 V	16 GB x 2pcs	White	Lifetime
BXL53282DW1-D38GB	32 GB	1R × 8	8200	CL38-48-48-126	1.45 V	16 GB x 2pcs	Black	Lifetime
BXL53282DW1-D38GW	32 GB	1R × 8	8200	CL38-48-48-126	1.45 V	16 GB x 2pcs	White	Lifetime
BXL53282DW1-D36GB	32 GB	1R × 8	8200	CL36-47-47-126	1.45 V	16 GB x 2pcs	Black	Lifetime
BXL53282DW1-D36GW	32 GB	1R × 8	8200	CL36-47-47-126	1.45 V	16 GB x 2pcs	White	Lifetime
BXL54860DW1-D28FB	48 GB	1R × 8	6000	CL28-36-36-72	1.4 V	24 GB x 2pcs	Black	Lifetime
BXL54860DW1-D28FW	48 GB	1R × 8	6000	CL28-36-36-72	1.4 V	24 GB x 2pcs	White	Lifetime
B5DW100486834ER2G-CB009	48 GB	1R × 8	6800	CL34-46-46-108	1.35 V	24 GB x 2pcs	Black	Lifetime
B5DW100486834ER2G-CW009	48 GB	1R × 8	6800	CL34-46-46-108	1.35 V	24 GB x 2pcs	White	Lifetime
B5DW100487236ER2G-CB010	48 GB	1R × 8	7200	CL36-46-46-115	1.35 V	24 GB x 2pcs	Black	Lifetime
B5DW100487236ER2G-CW010	48 GB	1R × 8	7200	CL36-46-46-115	1.35 V	24 GB x 2pcs	White	Lifetime
BXL54882DW1-D40FB	48 GB	1R × 8	8200	CL40-50-50-126	1.4 V	24 GB x 2pcs	Black	Lifetime
BXL54882DW1-D40FW	48 GB	1R × 8	8200	CL40-50-50-126	1.4 V	24 GB x 2pcs	White	Lifetime
BXL54884DW1-D40FB	48 GB	1R × 8	8400	CL40-52-52-126	1.4 V	24 GB x 2pcs	Black	Lifetime
BXL54884DW1-D40FW	48 GB	1R × 8	8400	CL40-52-52-126	1.4 V	24 GB x 2pcs	White	Lifetime

BXL56460DW1-D28FB	64 GB	1R × 8	6000	CL28-35-35-72	1.4 V	32 GB x 2pcs	Black	Lifetime
BXL56460DW1-D28FW	64 GB	1R × 8	6000	CL28-35-35-72	1.4 V	32 GB x 2pcs	White	Lifetime
B5DW100646030ER2G-CB013	64 GB	2R × 8	6000	CL30-38-38-76	1.35 V	32 GB x 2pcs	Black	Lifetime
B5DW100646030ER2G-CW013	64 GB	2R × 8	6000	CL30-38-38-76	1.35 V	32 GB x 2pcs	White	Lifetime
BXL59660DW1-D28EB	96 GB	2R × 8	6000	CL28-36-36-72	1.4 V	48 GB x 2pcs	Black	Lifetime
BXL59660DW1-D28EW	96 GB	2R × 8	6000	CL28-36-36-72	1.4 V	48 GB x 2pcs	White	Lifetime

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. 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. 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, Xinhu 2nd Road, Neihu District, Taipei City 114, Taiwan
+886 (2) 2795-282

