



RU100 DDR4 Memory



Speeds up to
3200 MT/s



Wide
Compatibility



Premium ICs



Reliable and
Durable

The Biwin RU100 DDR4 is designed to optimize the performance of your desktop system and provide long-term reliability and efficiency. With speeds up to 3200 MT/s, these modules deliver the performance required for demanding tasks like gaming, content creation, and multitasking. These modules offer broad compatibility across major desktop platforms and integrate seamlessly with a wide range of systems, providing a desktop upgrade that's faster, more stable and more efficient.

► Product Features

Accelerate Your Workload with High-Speed DDR4

Boost your desktop's capabilities with Biwin RU100, an outstanding upgrade solution. With speeds reaching up to 3200 MT/s, this memory ensures your PC operates more efficiently, reducing delays and improving system responsiveness. From resource-heavy applications to multitasking, the Biwin RU100 handles it all effortlessly, delivering a more fluid desktop computing experience.

Upgrade Your Desktop with Wide Compatibility

The Biwin RU100 is an ideal memory upgrade for a wide range of desktop systems. It's compatible with both Intel and AMD platforms, ensuring easier integration with systems from major brands. Whether you're upgrading a gaming PC, work desktop, or an all-purpose home system, the Biwin RU100 improves the overall computing experience.

Premium ICs for Durability and Stability

Built with premium Micron ICs, Biwin RU100 delivers high performance and exceptional long-term stability. These top-tier components undergo rigorous tests to ensure consistent performance over time, providing a stable, reliable computing experience, even under heavy use.

Reliable Memory for Multiple Applications

The Biwin RU100 is a versatile memory module, ideal for various uses. Whether you're upgrading a gaming machine, improving work productivity, or enhancing an entertainment system, the Biwin RU100 ensures excellent performance. Designed to deliver faster data transfer, smoother multitasking, and exceptional system efficiency, it works easily with different devices and applications.

► 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 RU100
RAM Type	DDR4 UDIMM
Capacity	8 GB (8 GB X 1) 16 GB (16 GB x 1) 32 GB (16 GB x 2)
Data Rate	3200 MT/s
Timing	CL22
Operating Voltage	1.20 V
Dimensions	133.35 × 31.24 × 3.76 mm
Operating Temperature	0°C to +85°C
Storage Temperature	-55°C to +100°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	Warranty
BMS48G32SD-S22BG	8 GB	1R x 8	DDR4-3200	CL22-22-22-52	1.20 V	Lifetime
BMS41632SD-S22BG	16 GB	2R x 8	DDR4-3200	CL22-22-22-42	1.20 V	Lifetime
BMS43232SD-D22BG	32 GB	2R x 8	DDR4-3200	CL22-22-22-42	1.20 V	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. Please visit www.biwintech.com for more details.

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Scatola	Manuale	Vaschetta
PAP 21	PAP 22	PET 1
Carta	Carta	Plastica



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.