acer BL.9BWWR.292

Acer Predator Vesta RGB Gaming RAM User Manual

Model: BL.9BWWR.292

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Acer Predator Vesta RGB Gaming RAM. Please read this manual carefully before use to ensure optimal performance and longevity of your memory modules.

Product Features:

- Upgraded RGB lighting effects with 8 independent lighting areas and 16.8 million customizable colors, compatible with mainstream lighting control software.
- eSports design with a silver-winged heatsink for a solid appearance and metallic surface.
- Customized reinforced 10-layer PCB to support powerful overclocking.
- Built with high-quality components and subjected to strict testing for compatibility, reliability, and stable performance.
- Samsung B-die ICs for better voltage and high-temperature resistance, enhancing read/write speeds and decreasing latency.
- Supports Intel XMP 2.0 for one-click overclocking with preset profiles.

2. Safety Information

Always handle memory modules by their edges to avoid touching the gold contacts. Static electricity can damage components. Use an anti-static wrist strap or discharge static electricity by touching a grounded metal object before handling the RAM.
Ensure your system is powered off and unplugged from the wall outlet before installation or removal of memory modules.

3. Setup and Installation

3.1 Before Installation:

- Verify compatibility: Ensure your motherboard supports DDR4 memory and the specified speed (3200 MHz) and voltage (1.35V). Consult your motherboard's manual for supported RAM configurations.
- Power off your computer and unplug the power cable.

- Open your computer case.
- Discharge static electricity by touching a grounded metal object.

3.2 Installing the Memory Modules:

1. Locate the DIMM slots on your motherboard. These are typically near the CPU.
2. Open the retention clips at both ends of the DIMM slot.
3. Align the notch on the memory module with the key in the DIMM slot. Ensure correct orientation.
4. Apply firm, even pressure to both ends of the memory module until the retention clips snap into place. Do not force the module.
5. Repeat for additional modules, following your motherboard's manual for dual-channel or quad-channel configurations.

Figure 1: Properly installed Acer Predator Vesta RGB RAM modules on a motherboard, showcasing their RGB lighting.

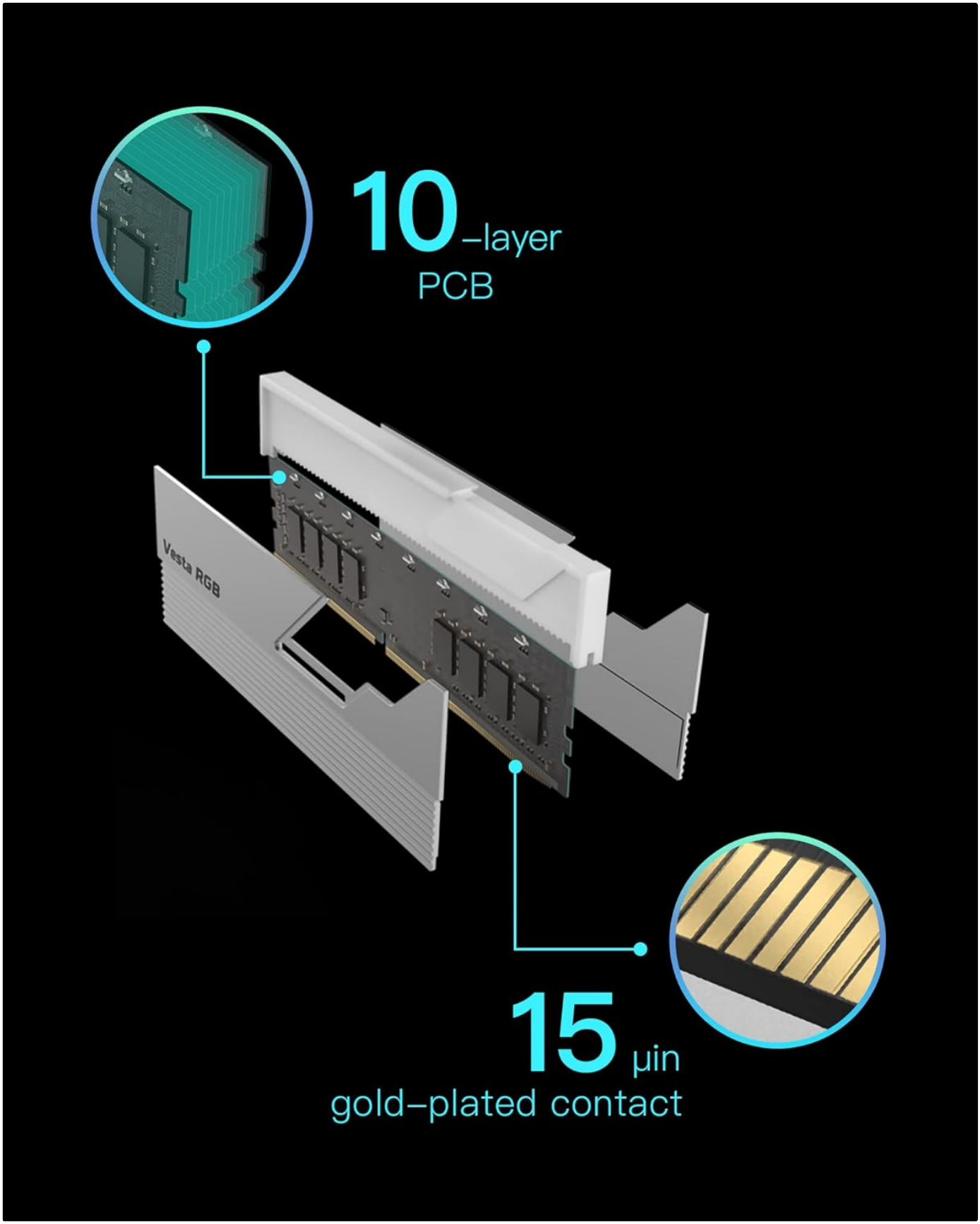

Figure 2: Exploded view of the Vesta RGB memory module, highlighting the 10-layer PCB and 15 uin gold-plated contacts for high-quality signal integrity and overclocking support.

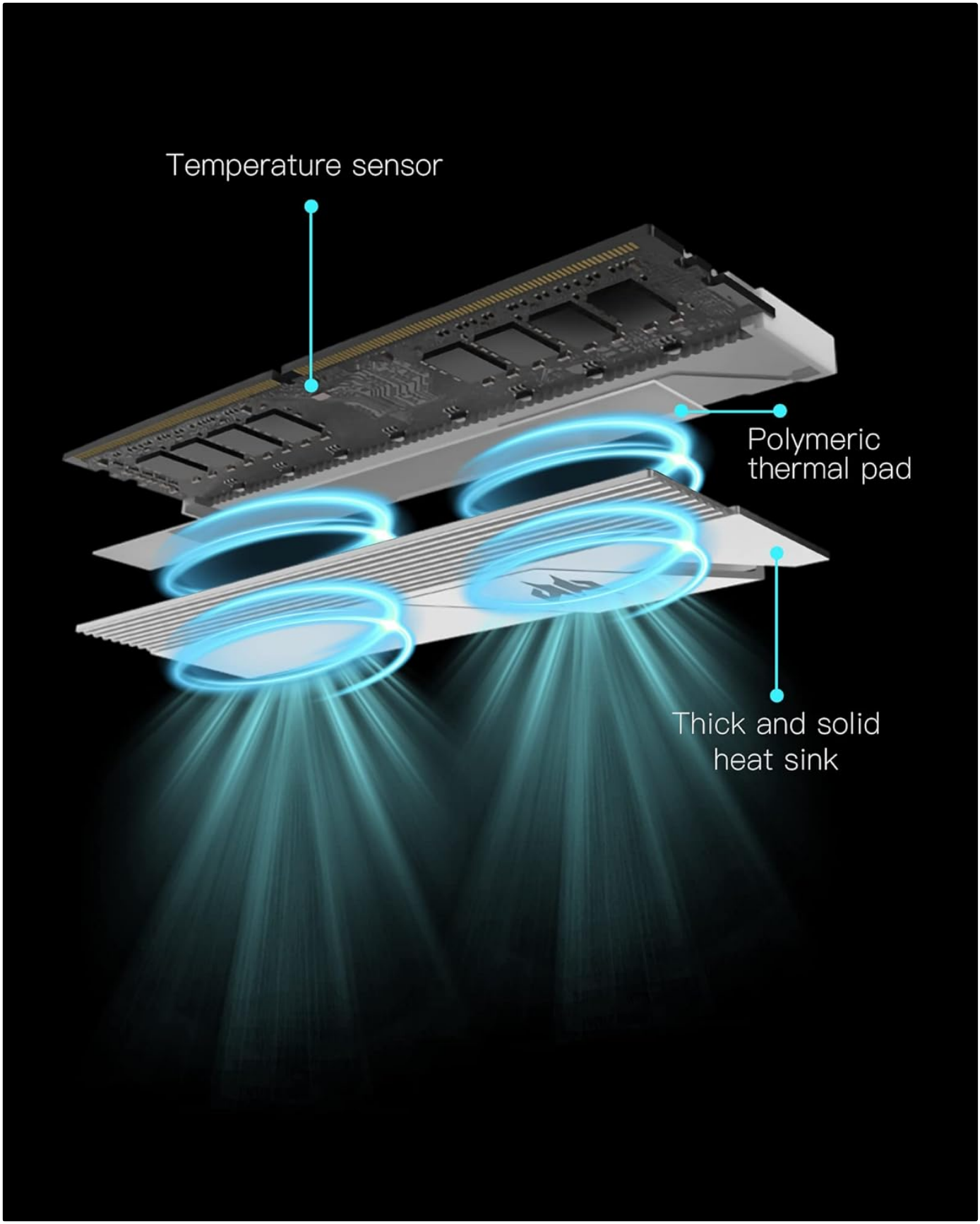

Figure 3: Thermal design of the Vesta RGB module, featuring a temperature sensor, polymeric thermal pad, and a thick aluminum alloy heat sink for efficient heat dissipation.

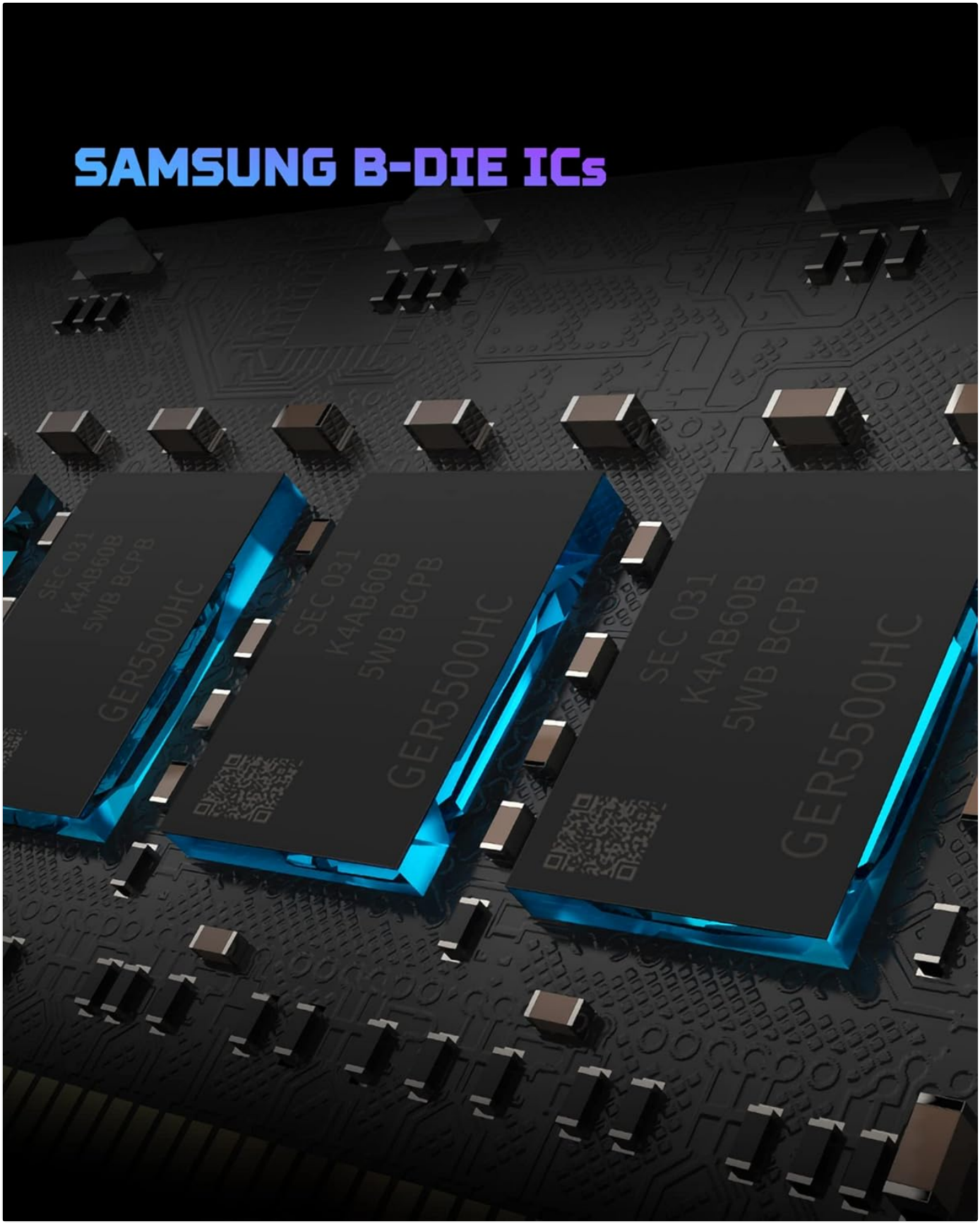

Figure 4: Close-up of the Samsung B-die ICs, which contribute to the module's performance and overclocking capabilities.

Figure 5: Multiple Vesta RGB modules installed in a system, demonstrating the synchronized RGB lighting effects.

Figure 6: Detailed view of a single Vesta RGB module securely seated in a motherboard DIMM slot.

4. Operating Your Memory Modules

4.1 First Boot and BIOS Configuration:

After installation, close your computer case, reconnect the power cable, and power on your system. Your system should automatically detect the new memory. However, to achieve the advertised speeds (3200 MHz) and optimal performance,

you may need to enable the XMP (Extreme Memory Profile) in your motherboard's BIOS/UEFI settings.

1. During startup, repeatedly press the designated key (e.g., Del, F2, F10) to enter the BIOS/UEFI setup.
2. Navigate to the "Overclocking," "Advanced," or "Memory Settings" section.
3. Look for an option like "XMP," "DOCP," or "AMP" and enable it. Select the profile that matches your RAM's advertised speed (e.g., DDR4-3200).
4. Save changes and exit the BIOS. Your system will restart with the new memory settings applied.

4.2 RGB Lighting Control:

The Vesta RGB memory modules feature customizable RGB lighting. To control the lighting effects, you will need to use your motherboard's RGB synchronization software (e.g., ASUS Aura Sync, GIGABYTE RGB Fusion 2.0, MSI Mystic Light Sync, ASRock Polychrome Sync). Install the appropriate software from your motherboard manufacturer's website. Once installed, you can select from 16.8 million colors and various lighting effects to personalize your system's aesthetics.

Your browser does not support the video tag.

Video 1: Official product video showcasing the Predator Gen4 M.2 SSD, Desktop RGB DDR4 and DDR5 Memory, highlighting features such as frequency, B-die ICs, 10-layer PCB, aluminum heat sink, built-in heat sensor, and RGB lighting effects. This video is provided by the seller, BIWIN Tech.

5. Maintenance

Predator Vesta RGB memory modules are designed for durability and require minimal maintenance. However, regular cleaning of your computer case and components can help maintain optimal performance and prevent dust buildup on the memory modules' heatsinks.

- Periodically inspect the memory modules for dust accumulation on the heatsinks.
- Use compressed air to gently remove dust from the heatsinks and surrounding areas. Ensure the system is powered off and unplugged before cleaning.
- Avoid touching the gold contacts or the integrated circuits (ICs) directly.

6. Troubleshooting

Problem	Possible Cause	Solution
System does not boot or displays a black screen after RAM installation.	Incorrect installation, incompatible RAM, or incorrect BIOS settings.	1. Ensure RAM modules are fully seated in the DIMM slots and retention clips are closed. 2. Verify RAM compatibility with your motherboard. 3. Reset BIOS to default settings (clear CMOS) and then re-enable XMP if desired. Try booting with one RAM stick at a time to isolate issues.
RAM not running at advertised speed (e.g., 3200 MHz).	XMP (Extreme Memory Profile) is not enabled in BIOS.	Enter BIOS/UEFI setup and enable XMP/DOCP/AMP. Select the correct profile for 3200 MHz. Refer to Section 4.1.

Problem	Possible Cause	Solution
RGB lighting not working or not synchronizing.	Missing or incorrect RGB control software, or software conflict.	1. Install the latest RGB synchronization software from your motherboard manufacturer. 2. Ensure the software is running and the RAM modules are detected. 3. Check for software updates or conflicts with other RGB applications.
System instability or crashes.	Overclocking issues, faulty RAM, or insufficient power.	1. Disable XMP in BIOS and test stability at default speeds. 2. Run memory diagnostic tools (e.g., MemTest86) to check for faulty modules. 3. Ensure your power supply unit (PSU) is adequate for your system components.

7. Specifications

Feature	Detail
Model Name	Acer Predator Vesta RGB Gaming RAM
Model Number	BL.9BWWR.292
Capacity	16GB (8GBx2)
Memory Type	DDR4 SDRAM
Speed	3200 MHz
CAS Latency	CL14
Voltage	1.35V
Form Factor	288-pin DIMM
RGB Lighting	Yes, customizable with 8 independent lighting areas
Heat Spreader	Aluminum alloy heatsink
PCB Layers	10-layer PCB
Contact Design	15 uin gold-plated contact
Dimensions (LxWxH)	5.75 x 2.04 x 0.34 inches
Weight	12.3 ounces

8. Warranty and Support

For warranty information and technical support, please refer to the official Acer or BIWIN Tech website. Keep your proof of purchase for warranty claims.

Online Resources:

- Acer Official Website: www.acer.com
- BIWIN Tech Official Website: www.biwin.com.cn