

OFFTEK TA98MG

OFFTEK 2GB DDR3-12800 RAM Upgrade Installation Manual

FOR JETWAY TA98MG MOTHERBOARD

1. Introduction

This manual provides detailed instructions for installing and maintaining your OFFTEK 2GB DDR3-12800 Non-ECC RAM module. This memory upgrade is specifically designed for the Jetway TA98MG motherboard to enhance system performance.

The OFFTEK memory module is engineered for reliability and compatibility, ensuring a seamless upgrade experience. Proper installation is crucial for optimal functionality.

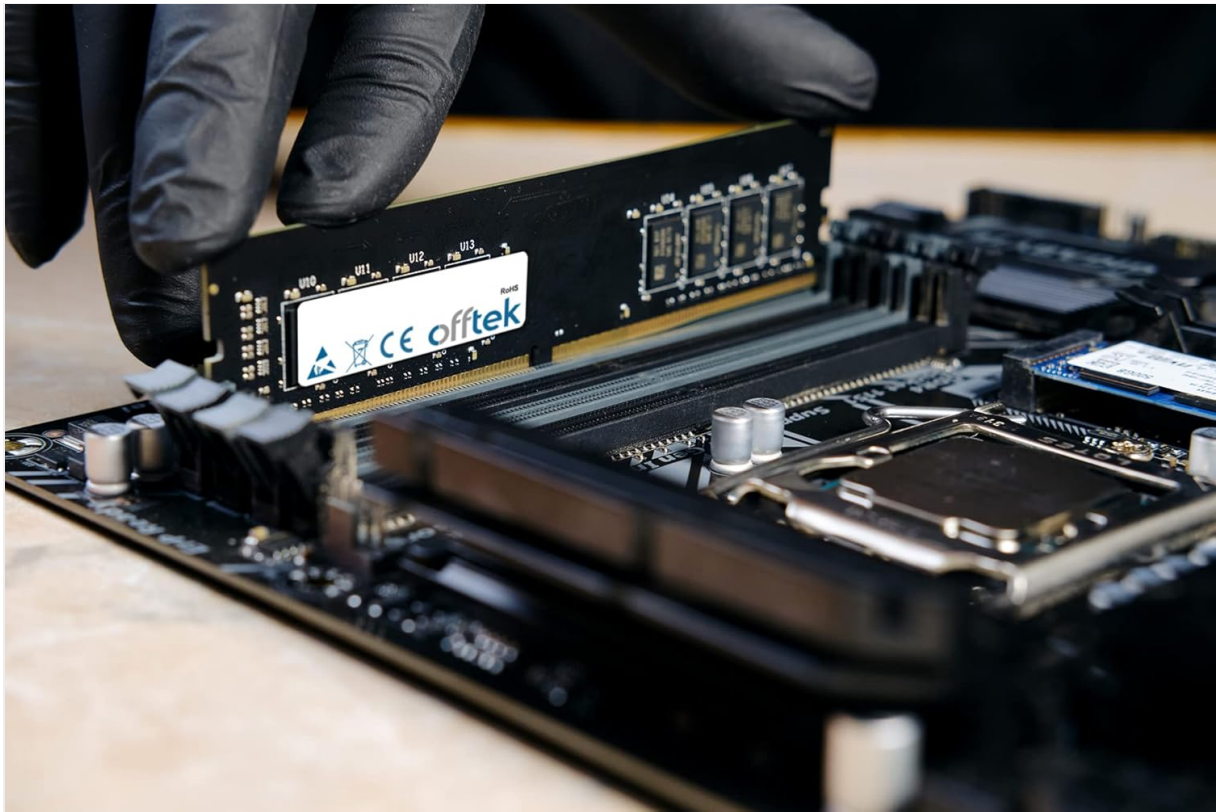


Image 1.1: The OFFTEK 2GB DDR3-12800 RAM module. This module is designed for compatibility with your system.

2. Safety Information

- Always disconnect the computer from the power source before opening the case or handling internal components.
- Discharge any static electricity from your body by touching a grounded metal object (e.g., the computer chassis) before handling the RAM module. Static electricity can damage sensitive electronic components.
- Handle the RAM module by its edges, avoiding contact with the gold connectors or the chips.
- Work in a clean, well-lit area to prevent dust or debris from entering the computer.

3. Setup and Installation

Follow these steps carefully to install your new OFFTEK RAM module:

1. **Prepare Your System:** Shut down your computer completely and disconnect the power cable. Open the computer case according to your computer's manufacturer instructions.
2. **Locate RAM Slots:** Identify the RAM slots on your Jetway TA98MG motherboard. These are typically long, narrow slots with clips on either end. Consult your motherboard manual for exact locations if unsure.
3. **Remove Existing Modules (if applicable):** If you are replacing existing RAM, gently push the clips on both ends of the slot outwards to release the module. Carefully pull the module straight out.
4. **Insert New RAM Module:** Align the notch on the OFFTEK RAM module with the corresponding key in the RAM slot. Ensure the module is oriented correctly.

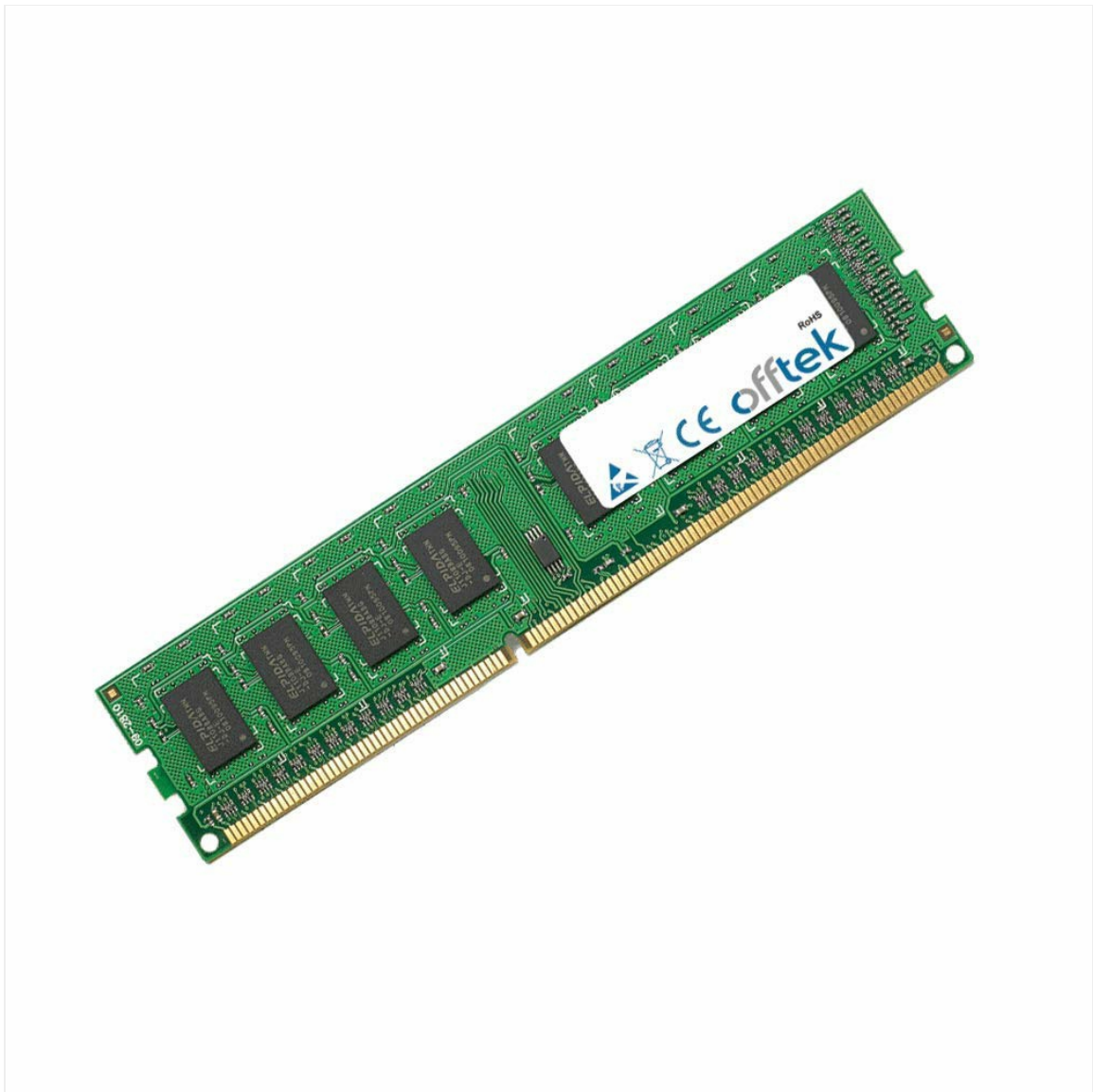


Image 3.1: A hand wearing a glove carefully aligning and inserting a RAM module into a motherboard slot.

5. **Secure the Module:** Apply even pressure to both ends of the RAM module until the clips on the slot snap into place, securing the module. Do not force the module; if it does not seat easily, recheck the alignment.

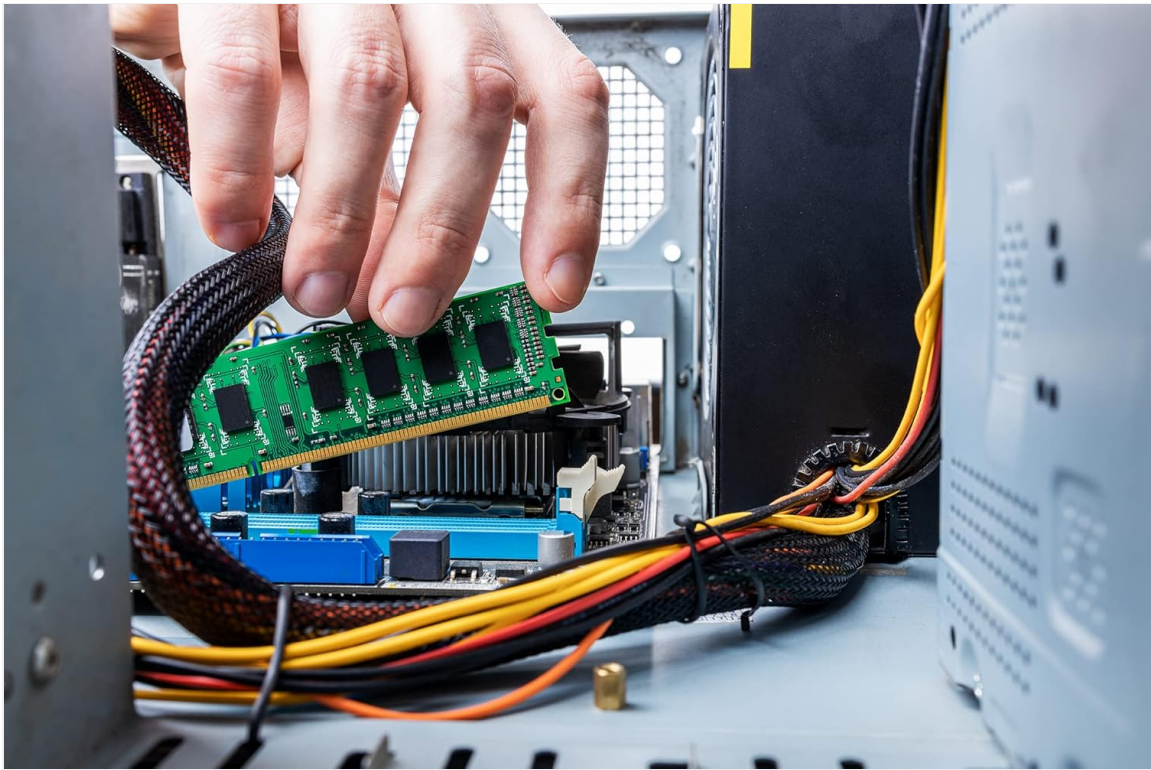


Image 3.2: A hand inserting a RAM module into a slot within an open desktop computer case, surrounded by cables.

6. **Close Case and Reconnect Power:** Once the RAM is securely installed, close your computer case and reconnect all power and peripheral cables.

4. Operating and Verification

After installation, power on your computer. The system should automatically detect the new memory. You can verify the installation through the following methods:

- **BIOS/UEFI:** During startup, access your computer's BIOS or UEFI settings (usually by pressing Del, F2, F10, or F12). The total installed RAM should be displayed.
- **Operating System:**
 - **Windows:** Right-click on "This PC" or "My Computer," select "Properties." The installed RAM will be listed.
 - **macOS:** Click the Apple menu, then "About This Mac." The memory information will be displayed.
 - **Linux:** Open a terminal and type `free -h` or `cat /proc/meminfo`.

If the system boots successfully and the correct amount of RAM is detected, your installation is complete.

5. Maintenance

RAM modules generally require no specific maintenance. To ensure the longevity and optimal performance of your system, consider the following general computer maintenance practices:

- Keep your computer's interior clean from dust buildup, which can impede airflow and cause overheating.
- Ensure adequate ventilation around your computer to prevent heat accumulation.
- Avoid exposing your computer to extreme temperatures or humidity.

6. Troubleshooting

If you encounter issues after installing the RAM, refer to the following troubleshooting steps:

- **System Does Not Boot:**
 - Ensure the RAM module is fully seated in its slot and the clips are locked.
 - Try reseating the module.
 - If you installed multiple modules, try booting with only one module at a time to identify a potentially faulty module or slot.
 - Verify that the RAM is compatible with your motherboard (DDR3-12800 Non-ECC for Jetway TA98MG).
- **Incorrect RAM Amount Detected:**
 - Check BIOS/UEFI settings to ensure the memory is recognized.
 - Ensure the module is properly seated.
 - Update your motherboard's BIOS/UEFI to the latest version, as this can sometimes improve memory compatibility.
- **System Instability/Crashes:**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic, MemTest86) to check for errors.
 - Ensure your system's cooling is adequate to prevent overheating.

If problems persist, contact OFFTEK support for further assistance.

7. Specifications

Feature	Specification
Brand	OFFTEK
Computer Memory Size	2 GB
RAM Memory Technology	DDR3
Memory Speed	1600 MHz (PC3-12800)
Error Correction	Non-ECC
Form Factor	DIMM
Product Dimensions	5.25 x 0.43 x 1.18 inches
Item Weight	0.32 ounces

8. Warranty and Support

Limited Lifetime Warranty: OFFTEK provides a limited lifetime warranty for this memory module. This warranty guarantees that if your memory should ever fail, OFFTEK will replace or repair the product free of charge, provided it is still manufactured.

For detailed warranty terms, installation guides, or technical support, please visit the official OFFTEK

website or contact their customer service department. You can find additional resources and contact information at www.offtek.co.uk.