A-Tech AM017057

A-Tech 8GB (2x4GB) DDR3 SO-DIMM RAM Memory Module Installation Guide

MODEL: **AM017057**

1. Introduction

This manual provides detailed instructions for installing and utilizing your A-Tech 8GB (2x4GB) DDR3 SO-DIMM RAM Memory Kit. This memory kit is designed to enhance the performance of compatible Asus All-in-One PC Series by providing additional system memory. Proper installation ensures optimal functionality and system stability.

2. Compatibility

This A-Tech memory kit is specifically designed for the following Asus All-in-One PC Series:

- EeeTop ET2010AG, ET2010AGT
- EeeTop ET2410
- ET2012A, ET2012AGKB, ET2012AGTB, ET2012AUKB, ET2012AUTB, ET2012IGKS, ET2012IGTS, ET2012IUKS, ET2012IUTS
- ET2210, ET2210ENKS, ET2210ENTS, ET2210EUKS, ET2210EUTS, ET2210INKS, ET2210INTS, ET2210IUKS, ET2210IUTS
- ET2400EG, ET2400IUTS
- ET2410ENKS, ET2410ENTS, ET2410EUKS, ET2410EUTS, ET2410INKS, ET2410INTS, ET2410IUKS

Important Note: This product uses SO-DIMM (Small Outline Dual In-line Memory Module) form factor, which is typically found in laptops, mini PCs, and All-in-One systems. It is **not** compatible with desktop computers that require DIMM (Dual In-line Memory Module) RAM. Always refer to your system's manual to confirm the supported RAM specifications and form factor before installation.

3. Specifications

Feature	Specification
Memory Size	8 GB (2 x 4GB modules)
Memory Technology	DDR3 SO-DIMM
Memory Speed	1333 MHz (PC3-10600)
ECC Type	NON-ECC Unbuffered
Pin Count	204-Pin
Voltage	1.5V
Product Dimensions	4.2 x 3.4 x 0.4 inches
Item Weight	1.2 ounces

The image below displays the A-Tech SO-DIMM memory modules included in this kit.

Image: Two A-Tech 4GB DDR3 SO-DIMM memory modules, showing the green PCB and black memory chips with A-Tech branding.

4. Setup and Installation

Installing RAM requires careful handling. Please follow these steps to ensure a successful upgrade:

1. **Preparation:**

   - **Power Off:** Completely shut down your Asus All-in-One PC and disconnect all power cables and peripherals.
   - **Static Discharge:** Ground yourself to prevent electrostatic discharge (ESD), which can damage electronic components. You can do this by touching a grounded metal object (like an unpainted metal part of your computer case) before handling the memory modules.

- **Access Panel:** Refer to your PC's service manual for instructions on how to safely open the case and access the memory slots.

2. **Locate Memory Slots:** Identify the existing memory modules (if any) and the available SO-DIMM slots on the motherboard.

3. **Remove Old Modules (if applicable):** If you are replacing existing memory, gently push the small clips on both sides of the memory slot outwards. The module will pop up slightly, allowing you to pull it out carefully.

4. **Install New Modules:**

   - Hold the new A-Tech SO-DIMM module by its edges, avoiding touching the gold connectors.
   - Align the notch on the module with the key in the memory slot.
   - Insert the module firmly into the slot at a 45-degree angle.
   - Push down on both ends of the module until the clips on the sides snap into place, securing the module horizontally.

5. **Reassemble and Power On:**

   - Carefully close the PC case and reconnect all power cables and peripherals.
   - Power on your computer. The system should automatically detect the new memory.

The image below shows A-Tech SO-DIMM memory modules in their retail packaging.

Image: Two A-Tech DDR3 SO-DIMM memory modules packaged in clear plastic clamshells, labeled as 'A-Tech Laptop Memory'.

5. Operating

Once installed, the A-Tech RAM modules operate automatically. Your operating system will recognize the increased memory capacity, allowing applications to run more efficiently and improving overall system responsiveness. No specific software or drivers are required for the memory modules themselves.
To verify the installation, you can check your system's memory information through the operating system's settings (e.g., Task Manager in Windows, About This Mac in macOS, or system information utilities in Linux).

6. Maintenance

RAM modules are generally maintenance-free. To ensure their longevity and optimal performance:

- Keep your computer's interior clean and free of dust to prevent overheating.
- Ensure adequate airflow around your All-in-One PC.
- Avoid exposing the computer to extreme temperatures or humidity.

Do not attempt to clean the gold contacts of the memory modules with abrasive materials or harsh chemicals.

7. Troubleshooting

If you encounter issues after installing the memory, consider the following troubleshooting steps:

- **System Not Booting** / **No Display:** Ensure the memory modules are fully seated in their slots. Gently push down on both ends until the clips snap securely.
- **Incorrect Memory Detected:** Verify that the modules are compatible with your specific Asus All-in-One PC model. Check your system's BIOS/UEFI settings to confirm the detected memory amount.
- **System Instability** / **Crashes:** This could indicate a faulty module or incompatibility. Try testing each module individually if you installed multiple, or re-installing them.
- **BIOS/UEFI Update:** In rare cases, an outdated BIOS/UEFI firmware might cause compatibility issues. Check the Asus support website for your PC model for any available updates.

If problems persist, refer to the Warranty and Support section for further assistance.

8. Warranty and Support

A-Tech memory modules are backed by a **Lifetime Warranty**, ensuring peace of mind regarding product quality and reliability.

For technical support, warranty claims, or further inquiries, please visit the official A-Tech website or contact their customer service department. You can find more information and support resources at:

atechmemory.com

This product is sold by A-Tech Components, a small business committed to providing high-quality memory solutions.