

Manuals.plus /
› A-Tech /
› A-Tech 8GB Kit (2x4GB) RAM for Toshiba Satellite C660-00J, C660-1NF, C660-2N3, C660-2T7, C660-2TC, C660-2TU, C850-1CW, C850-1LC, C855-21M | DDR3 1600MHz PC3-12800 SODIMM 1.5V Non-ECC Memory Upgrade

A-Tech ARZ046

A-Tech 8GB Kit (2x4GB) DDR3 SODIMM Memory Upgrade User Manual

Model: ARZ046

INTRODUCTION

This user manual provides essential information for the proper installation, use, and maintenance of your A-Tech 8GB (2x4GB) DDR3 1600MHz PC3-12800 SODIMM memory upgrade kit. This memory kit is designed to enhance the performance of compatible Toshiba Satellite laptop models by expanding their Random Access Memory (RAM) capacity.



Image: A-Tech 8GB (2x4GB) DDR3 SODIMM Memory Kit in its packaging, showing two individual 4GB modules.

SETUP AND INSTALLATION

Installing RAM modules requires careful handling to prevent damage to the components or the system. Always refer to your laptop's specific service manual for detailed instructions and safety precautions, as procedures may vary by model.

Safety Precautions:

- **Disconnect Power:** Ensure your laptop is completely powered off and disconnected from the AC adapter. Remove the battery if possible.
- **Static Electricity:** Static electricity can damage electronic components. Discharge any static electricity from your body by touching a grounded metal object (e.g., an unpainted metal part of your computer chassis) before handling the memory modules. Consider using an anti-static wrist strap.

- **Handle with Care:** Hold the memory modules by their edges, avoiding contact with the gold connectors or the chips.

Installation Steps:

1. **Prepare Your Laptop:** Power down your laptop completely and disconnect all cables. Close the lid and turn the laptop over to access the memory compartment.
2. **Locate Memory Compartment:** Identify and open the memory compartment cover, typically secured by small screws.
3. **Remove Existing Modules (if applicable):** If you are replacing existing modules, gently push outwards on the metal clips on both sides of the module. The module will pop up at an angle. You can then carefully pull it out of the slot.
4. **Insert New Modules:** Align the notch on the A-Tech SODIMM module with the key in the memory slot. Insert the module at a 45-degree angle into the slot.
5. **Secure Modules:** Gently push down on the module until the metal clips on both sides snap into place, securing the module horizontally. Ensure both clips are fully engaged.
6. **Close Compartment:** Replace the memory compartment cover and secure it with its screws.
7. **Power On:** Reconnect the battery and AC adapter, then power on your laptop. The system should automatically detect the new memory.



Image: A close-up view of two A-Tech DDR3 SODIMM memory modules, highlighting the gold contacts and label.

COMPATIBILITY

Designed for Laptop, Mini PC, and AIO systems
(**NOT** compatible with Desktop PC/Computers, please refer to your system manual to confirm compatibility)

Image: A laptop with its back panel removed, showing an open memory slot, illustrating the compatibility of the SODIMM modules with laptop systems.

OPERATING

Once the A-Tech memory modules are correctly installed, your laptop's operating system should automatically recognize the increased RAM capacity. This upgrade allows your system to handle more applications simultaneously, improve multitasking capabilities, and potentially enhance overall system responsiveness, especially with memory-intensive tasks. No specific software or drivers are required for the memory modules themselves; their function is managed directly by the system's hardware and operating system.

MAINTENANCE

A-Tech memory modules are designed for long-term reliability and typically require minimal maintenance once installed. Follow these general guidelines to ensure their longevity:

- **Keep Clean:** Ensure the laptop's interior, especially around the memory slots, remains free of dust and debris. Regular cleaning of your laptop's cooling system can help maintain optimal operating temperatures for all internal components, including RAM.
- **Avoid Physical Damage:** Once installed, avoid unnecessary removal or re-insertion of the modules. If removed for storage, keep them in an anti-static bag or their original packaging.
- **Environmental Conditions:** Operate your laptop within recommended temperature and humidity ranges to prevent component stress.

TROUBLESHOOTING

If you encounter issues after installing your A-Tech memory kit, consider the following troubleshooting steps:

Common Issues and Solutions:

- **System Does Not Boot / Black Screen:**
 - Ensure the memory modules are fully seated in their slots. Gently press down on both ends of each module until the retaining clips snap into place.
 - Verify that the notch on the module aligns correctly with the key in the slot.
 - Try installing one module at a time to identify if one of the modules is faulty or if a specific slot is problematic.
 - Clear the CMOS (Complementary Metal-Oxide-Semiconductor) settings of your laptop. Refer to your laptop's manual for instructions on how to do this.
- **Incorrect RAM Capacity Detected:**
 - Check your system's BIOS/UEFI settings to confirm the detected memory.
 - Ensure your operating system is a 64-bit version to fully utilize more than 4GB of RAM.
 - Verify that your laptop model supports the total amount of RAM you have installed.
- **System Instability / Blue Screens (BSOD):**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic) to check for errors.
 - Ensure the modules are compatible with your specific laptop model and its chipset.

If issues persist after following these steps, please contact A-Tech customer support for further assistance.

SPECIFICATIONS

Feature	Detail
RAM Capacity	8 GB Kit (2 x 4 GB Modules)
RAM Type	DDR3 SODIMM
Memory Speed	1600 MHz (PC3-12800 / PC3-1600)
Voltage	1.5V
Error Correction	Non-ECC Unbuffered
Pin Count	204-Pin
Compatible Devices	Toshiba Satellite C660-00J, C660-1NF, C660-2N3, C660-2T7, C660-2TC, C660-2TU, C850-1CW, C850-1LC, C855-21M
Model Number	ARZ046
Product Dimensions	2.66 x 1.18 x 0.15 inches

WARRANTY AND SUPPORT

A-Tech memory modules are backed by a Limited Lifetime Warranty, ensuring dependable and reliable performance throughout the product's lifespan. This warranty covers defects in materials and workmanship. For technical assistance, warranty claims, or any questions regarding your A-Tech memory upgrade, please contact our knowledgeable Tech Team. You can find more information and support resources on our official website:

Visit A-Tech Support
Page

Our team is available to help before and after your purchase to ensure a smooth experience with your memory upgrade.

© 2024 A-Tech. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0CGMMTS34>

More documents and user manuals: <https://manuals.plus/>