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› A-Tech 8GB DDR3 SODIMM Memory Module Instruction Manual for Toshiba Satellite Radius P55W-B5224

A-Tech ASP228

A-Tech 8GB DDR3 SODIMM Memory Module Instruction Manual

Model: ASP228

Compatible with Toshiba Satellite Radius P55W-B5224

1. PRODUCT OVERVIEW

The A-Tech 8GB DDR3 SODIMM memory module is designed to enhance the performance of compatible laptop and all-in-one systems. This module provides 8 gigabytes of DDR3 Low Voltage (PC3L) Synchronous Dynamic Random-Access Memory, operating at a speed of 1600MHz. It is specifically engineered for compatibility with the Toshiba Satellite Radius P55W-B5224 model, ensuring reliable and stable operation.

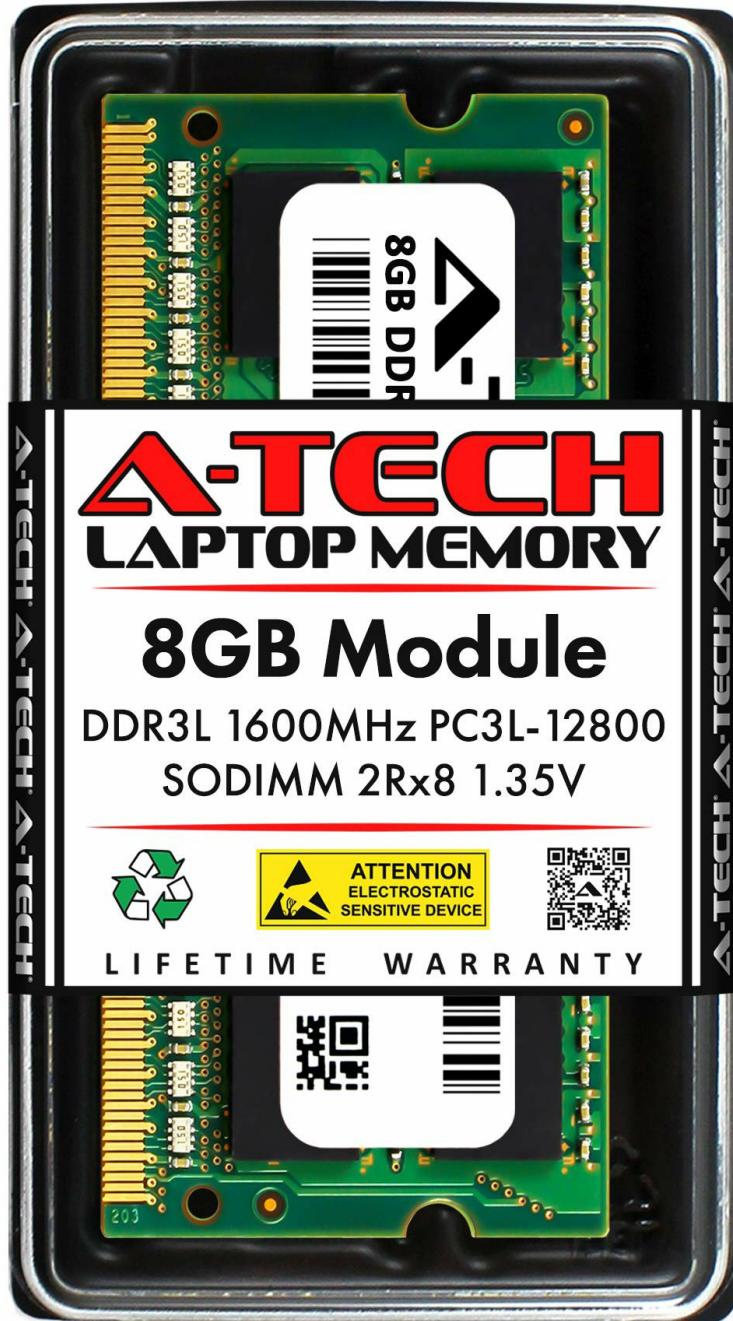


Image: The A-Tech 8GB DDR3 SODIMM memory module, showing its label with specifications like 8GB DDR3L PC3L-12800/1600MHz 2Rx8 1.35V.



Image: Two A-Tech DDR3 SODIMM memory modules packaged, labeled as 'Laptop Memory'.

2. SETUP AND INSTALLATION

Installing a memory module requires careful handling and adherence to safety procedures. Always refer to your system's official manual for specific instructions regarding memory upgrades, as procedures may vary by model. The following are general guidelines.

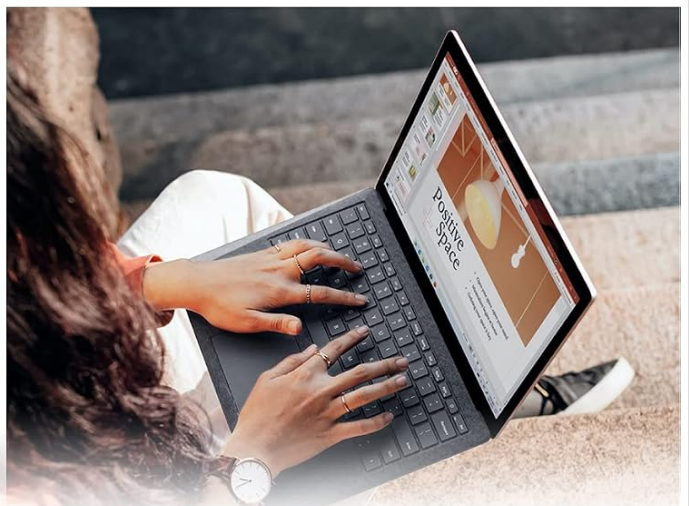
2.1 Safety Precautions

- **Power Off:** Ensure your laptop is completely powered off and disconnected from the power adapter. Remove the battery if possible.

- **Static Discharge:** Discharge any static electricity from your body before handling the memory module. This can be done by touching a grounded metal object. Consider using an anti-static wrist strap.
- **Handle Carefully:** Hold the memory module by its edges, avoiding contact with the gold connectors or the chips.

2.2 Installation Steps

1. **Access Memory Slots:** Locate and open the memory compartment on your Toshiba Satellite Radius P55W-B5224. This usually involves removing a panel on the bottom of the laptop.
2. **Remove Existing Module (if applicable):** If replacing an existing module, gently push outwards on the clips holding the module in place. The module will pop up at an angle. Carefully pull it out of the slot.
3. **Insert New Module:** Align the notch on the A-Tech SODIMM module with the key in the memory slot. Insert the module at a 45-degree angle, applying firm but gentle pressure until it is fully seated.
4. **Secure Module:** Push the module down until the side clips snap into place, securing it horizontally.
5. **Reassemble:** Close the memory compartment cover and reinsert the battery (if removed).



COMPATIBILITY

Designed for easy installation into a wide range of DDR3 capable Laptop, Notebook, and All-in-One (AIO) Computers

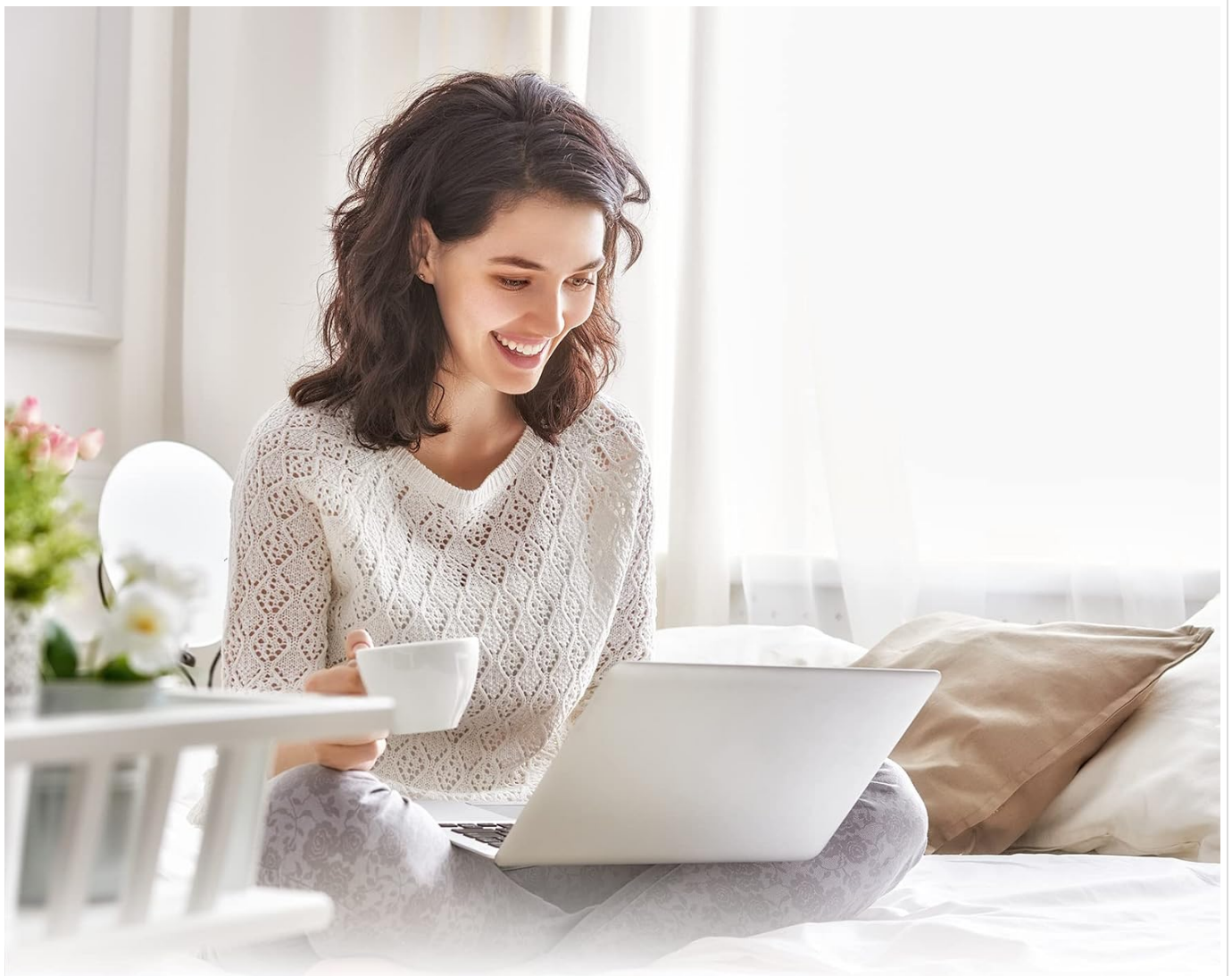


Image: A person typing on a laptop, with text indicating that DDR3 SODIMM RAM is compatible with Laptop, Mini PC, and AIO Systems.

3. OPERATING PRINCIPLES

Random Access Memory (RAM) serves as your computer's short-term data storage, allowing for quick access to data by the processor. When you open applications, browse the web, or work on documents, your system temporarily stores this data in RAM for rapid retrieval. Upgrading your system's RAM capacity, such as with the A-Tech 8GB module, directly impacts its ability to handle multiple tasks simultaneously and run demanding applications more smoothly.

This 8GB DDR3 SODIMM module operates at 1600MHz, providing a data transfer rate of PC3L-12800. The 'L' in PC3L signifies that it is a low-voltage module (1.35V), which is common in modern laptops for improved power efficiency compared to standard 1.5V DDR3 modules. This ensures compatibility and optimal performance with systems designed for low-voltage memory.



MULTITASK WITH EASE

Expand your system's memory (RAM) capacity allowing you to take on more at once

Image: A person comfortably using a laptop, illustrating the ease of multitasking with expanded system memory.

UPGRADE PERFORMANCE

Reduce bottlenecks, boost performance, and increase the workload capacity of your Laptop with A-Tech Memory



Image: A laptop screen displaying a rocket launching, representing the performance boost and reduction of bottlenecks achieved by upgrading with A-Tech memory.

4. MAINTENANCE

Memory modules generally require no specific maintenance once installed. However, maintaining a clean and well-ventilated computing environment can contribute to the longevity and stable operation of all internal components, including RAM.

- **Keep System Clean:** Regularly clean your laptop's cooling vents to prevent dust buildup, which can lead to overheating.
- **Avoid Extreme Conditions:** Operate your laptop within recommended temperature and humidity ranges to prevent component stress.
- **Software Updates:** Keep your operating system and drivers updated to ensure optimal memory management and system stability.

5. TROUBLESHOOTING

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

- **System Not Booting or Black Screen:**
 - Ensure the memory module is correctly seated in its slot. Remove and re-insert it, making sure the clips snap into place.
 - Verify that the module is fully compatible with your laptop model (Toshiba Satellite Radius P55W-B5224) and that you have installed the correct type (DDR3L SODIMM).
 - If you installed multiple modules, try booting with only one module at a time to identify a potentially faulty module or slot.
- **Incorrect RAM Detected:**
 - Check your system's BIOS/UEFI settings or operating system's system information to confirm the detected RAM amount.
 - Ensure your operating system is 64-bit to fully utilize more than 4GB of RAM.
- **System Instability or Crashes:**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic) to check for errors.
 - Ensure your system's BIOS/UEFI firmware is up to date.

If issues persist after these steps, contact A-Tech Technical Support for further assistance.

6. SPECIFICATIONS

Feature	Specification
Module Type	DDR3 SODIMM
Capacity	8 GB
Speed	1600 MHz (PC3L-12800)

Feature	Specification
Voltage	1.35V (Low Voltage)
Pin Count	204-Pin
Error Correction	Non-ECC Unbuffered
Compatibility	Toshiba Satellite Radius P55W-B5224
Model Number	ASP228
Dimensions (LxWxH)	2.66 x 1.18 x 0.15 inches

7. WARRANTY AND SUPPORT

7.1 Limited Lifetime Warranty

A-Tech memory modules are backed by a Limited Lifetime Warranty. This warranty covers defects in materials and workmanship for the lifetime of the product. For specific terms and conditions, please refer to the official A-Tech warranty policy available on their website.



Image: A woman working on a laptop in a comfortable setting, representing the reliability and extensive quality control testing that A-Tech memory modules undergo.

7.2 Technical Support

A-Tech provides knowledgeable technical support to assist with any questions or issues you may have before or after your purchase. For technical assistance, please visit the A-Tech official website or refer to the contact information provided with your product packaging.

Online Resources: www.a-techmemory.com (Example link, please verify actual support URL)

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

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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

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