

Computer Memory Solutions CM256646400SOX1

CMS 2GB DDR2 SODIMM Memory Module User Manual

Brand: Computer Memory Solutions | **Model:** CM256646400SOX1

1. INTRODUCTION

This manual provides instructions for the installation and use of the CMS 2GB DDR2 800MHz PC6400 Non-ECC SODIMM memory module. This module is designed to upgrade the system memory of compatible laptop computers, enhancing overall performance.

2. PRODUCT OVERVIEW

The CMS 2GB DDR2 SODIMM is a single memory module designed for laptop computers. It operates at a speed of 800MHz (PC6400) and is a Non-ECC (Error-Correcting Code) type. This module is compatible with various Toshiba Mini Notebook models, including:

- Toshiba Mini Notebook NB505-N500BL (DDR2)
- Toshiba Mini Notebook NB505-N508BL (DDR2)
- Toshiba Mini Notebook NB505-N508BN
- Toshiba Mini Notebook NB505-N508GN
- Toshiba Mini Notebook NB505-N508OR
- Toshiba Mini Notebook NB505-N508TQ
- Toshiba Mini Notebook NB505-SP0110A
- Toshiba Mini Notebook NB505-SP0110C
- Toshiba Mini Notebook NB505-SP0110L
- Toshiba Mini Notebook NB505-SP0111BLL
- Toshiba Mini Notebook NB505-SP0111C
- Toshiba Mini Notebook NB505-SP0111GNL
- Toshiba Mini Notebook NB505-SP0111L
- Toshiba Mini Notebook NB505-SP0111ORL
- Toshiba Mini Notebook NB505-SP0160M

- Toshiba Mini Notebook NB505-SP0163M
- Toshiba Mini Notebook NB505-SP0164M
- Toshiba Mini Notebook NB505-SP0165

Always verify your system's memory specifications and compatibility before installation.

3. SETUP AND INSTALLATION

Installing a SODIMM memory module requires careful handling. Follow these general steps:

1. **Preparation:** Power off your laptop completely and disconnect the AC adapter and remove the battery.
2. **Access Memory Bay:** Locate and open the memory compartment cover on the underside of your laptop. This usually involves unscrewing a few small screws.
3. **Static Precautions:** Before touching any internal components, discharge static electricity by touching a grounded metal object. Handle the memory module by its edges, avoiding contact with the gold connectors or chips.
4. **Remove Existing Module (if applicable):** If replacing an existing module, gently push apart the small clips on either side of the SODIMM slot. The module will pop up at an angle. Carefully pull it out of the slot.
5. **Insert New Module:** Align the notch on the new CMS memory module with the key in the SODIMM slot. Insert the module at a 45-degree angle into the slot.



Image 1: Top view of the CMS 2GB DDR2 SODIMM memory module. Note the 'Warranty Void If Removed' sticker on the module's surface.

6. **Secure Module:** Gently push the module down until it clicks into place and the side clips secure it horizontally. Ensure it is seated firmly and evenly.



Image 2: Angled view of the CMS 2GB DDR2 SODIMM memory module, highlighting the gold contact pins and memory chips.

7. **Reassemble:** Replace the memory compartment cover and secure it with screws. Reinsert the battery and reconnect the AC adapter.
8. **Power On:** Power on your laptop. The system should automatically detect the new memory. You can verify the installed memory in your operating system's system information or BIOS/UEFI settings.

4. OPERATING

Once correctly installed, the CMS 2GB DDR2 SODIMM memory module operates automatically with your computer's system. No specific user interaction is required for its operation. The operating system will utilize the increased memory capacity as needed.

5. MAINTENANCE

Memory modules generally require no maintenance after installation. To ensure longevity and proper function:

- Avoid physical damage to the module.
- Keep the laptop's memory compartment clean and free of dust.
- When handling, always use anti-static precautions to prevent electrostatic discharge (ESD) damage.

6. TROUBLESHOOTING

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

- **System Not Booting or Beeping:** This often indicates that the memory module is not seated

correctly. Power off the laptop, remove the battery and AC adapter, then re-seat the memory module firmly in its slot. Ensure the side clips are engaged.

- **Incorrect Memory Amount Detected:** Verify that the module is fully seated. Check your system's BIOS/UEFI settings or operating system's system information to confirm the detected memory. If still incorrect, try swapping the module to a different slot (if available) or testing it in another compatible system.
- **System Instability or Crashes:** This could indicate a faulty module or incompatibility. Ensure the module is compatible with your laptop's specifications (DDR2, 800MHz, Non-ECC). If issues persist, contact technical support.
- **Compatibility Check:** Double-check that your laptop model is listed as compatible and that it uses DDR2 SODIMM memory. Some systems may require specific memory configurations.

7. SPECIFICATIONS

| Feature | Specification |
|--------------------|---|
| Model Number | CM256646400SOX1 |
| Memory Type | DDR2 SODIMM |
| Capacity | 2GB (Single Module) |
| Speed | 800MHz (PC6400) |
| Pin Count | 200-Pin |
| ECC Type | Non-ECC |
| Form Factor | SODIMM |
| Product Dimensions | 2.66 x 0.15 x 1.18 inches |
| Item Weight | 2 ounces |
| Compatible Devices | Laptop (specifically Toshiba Mini Notebooks listed) |

8. WARRANTY AND SUPPORT

This CMS memory module carries a Lifetime Warranty from Computer Memory Solutions when purchased directly from the manufacturer or authorized resellers. For warranty claims or technical assistance, please contact Computer Memory Solutions customer support. Ensure you retain your proof of purchase.