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› PARTS-QUICK 16GB (2x8GB) DDR3 1600MHz SODIMM RAM Installation Guide for Fujitsu LIFEBOOK A573/G

## parts-quick 2X8GB-DDR3-1600-S-FUJ-1567

# PARTS-QUICK 16GB (2x8GB) DDR3 1600MHz SODIMM RAM Installation Guide for Fujitsu LIFEBOOK A573/G

Model: 2X8GB-DDR3-1600-S-FUJ-1567

## 1. INTRODUCTION

This manual provides detailed instructions for installing the PARTS-QUICK 16GB (2x8GB) DDR3 1600MHz SODIMM RAM upgrade kit into your Fujitsu LIFEBOOK A573/G laptop. Following these guidelines will ensure proper installation and optimal performance of your new memory modules.

The kit includes two 8GB DDR3 PC3-12800 204-pin Non-ECC CL11 1.5V Unbuffered SODIMM modules, specifically designed for compatibility with the Fujitsu LIFEBOOK A573/G.

## 2. SAFETY INFORMATION

Before proceeding with the installation, please observe the following safety precautions:

- **Power Off:** Always power off your laptop completely and disconnect the AC adapter and battery before opening the chassis.
- **Static Electricity:** Static electricity can damage electronic components. Discharge static electricity by touching a grounded metal object (e.g., an unpainted metal part of your computer chassis) before handling the RAM modules. Consider using an anti-static wrist strap.
- **Handle with Care:** Hold the RAM modules by their edges, avoiding contact with the gold connectors or the chips on the module.
- **Tools:** Use appropriate tools, such as a small Phillips head screwdriver, if required to open your laptop's memory compartment.

## 3. SETUP AND INSTALLATION

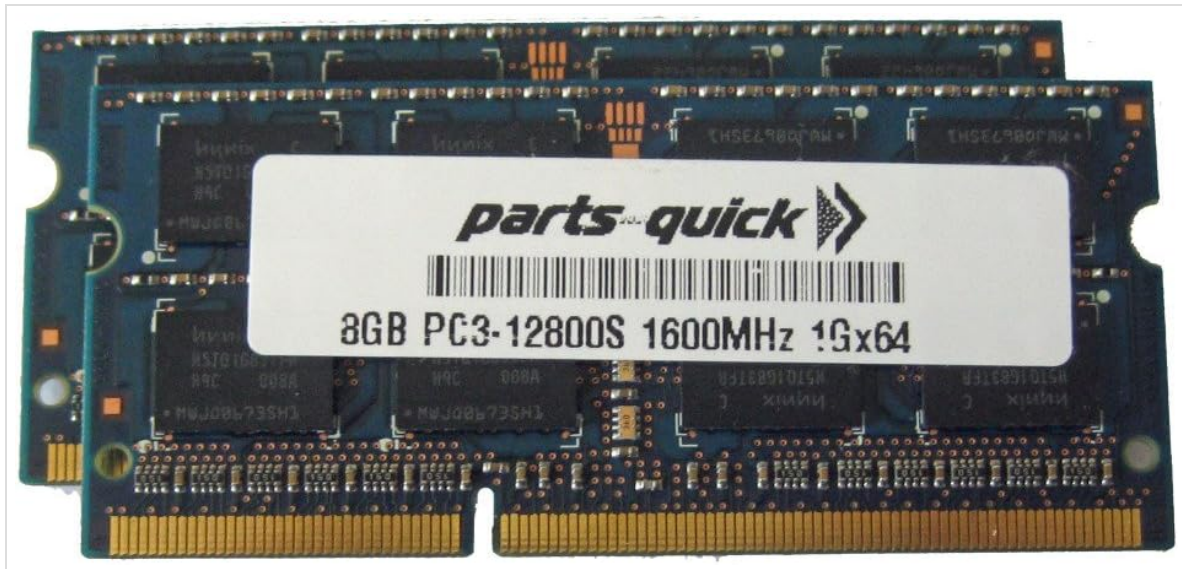
### 3.1. Before You Begin

1. **Backup Data:** It is recommended to back up any important data before performing hardware upgrades.
2. **Locate Memory Compartment:** Refer to your Fujitsu LIFEBOOK A573/G user manual for the exact location and method to access the memory compartment. This is typically on the underside of the laptop.
3. **Prepare Workspace:** Work on a clean, well-lit, and static-free surface.

### 3.2. Physical Installation

1. **Open Memory Compartment:** Carefully unscrew and remove the cover for the memory compartment on your laptop.
2. **Remove Existing Modules (if applicable):** If you are replacing existing RAM, gently push the small metal clips on either side of the module outwards. The module will pop up at an angle. You can then pull it out of the slot.
3. **Insert New Modules:**

Align the notch on the new SODIMM module with the key in the memory slot. Insert the module at a 45-degree angle into the slot. Apply firm, even pressure until it is fully seated.



**Image 1:** Two PARTS-QUICK 8GB DDR3 SODIMM RAM modules. Each module features a white label with "parts-quick" logo, "8GB PC3-12800S 1600MHz 1Gx64" text, and a barcode. The modules are blue circuit boards with gold contacts at the bottom, designed for laptop memory slots.

Once seated, push the module down until the metal clips on both sides snap into place, securing the module horizontally.

4. **Install Second Module:** Repeat the process for the second 8GB module in the available memory slot.
5. **Close Compartment:** Replace the memory compartment cover and secure it with screws.

### 3.3. Verification

1. **Reconnect Power:** Reconnect the battery and AC adapter to your laptop.
2. **Power On:** Turn on your laptop.
3. **Check System Information:** Once the operating system loads, verify the new RAM capacity.
  - **Windows:** Right-click "This PC" or "My Computer," then select "Properties." The installed RAM will be displayed.
  - **BIOS/UEFI:** You can also check the system information within your laptop's BIOS or UEFI settings during startup (usually by pressing F2, F10, DEL, or ESC key).

The system should now report 16GB of installed memory.

## 4. OPERATING (MEMORY RECOGNITION)

Once installed, the RAM modules operate automatically. The operating system and applications will utilize the increased memory capacity as needed. No specific user interaction is required for the RAM to function beyond the initial installation and verification.

Ensure your operating system is up-to-date to fully leverage the new memory configuration.

## 5. MAINTENANCE

RAM modules generally require minimal maintenance. Follow these guidelines for optimal longevity:

- **Keep Clean:** Ensure the laptop's interior, especially around the memory slots, remains free of dust and debris. Regular cleaning of the laptop's cooling system can help maintain optimal operating temperatures.
- **Avoid Physical Stress:** Do not bend or apply excessive force to the RAM modules.
- **Environmental Conditions:** Operate your laptop within recommended temperature and humidity ranges to prevent component degradation.

## 6. TROUBLESHOOTING

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

| Problem  | Possible Cause                                    | Solution  |
|--|---|---|
| Laptop does not boot or displays a blank screen.                           | RAM modules not properly seated.                  | Power off, disconnect power, open compartment, and re-seat both RAM modules firmly. Ensure clips snap into place.   |
| System boots, but only recognizes partial RAM (e.g., 8GB instead of 16GB). | One of the RAM modules is not detected or faulty. | Verify both modules are correctly seated. Test each module individually in a known working slot if possible. Check for bent pins or debris in slots.                                    |
| Frequent system crashes or "Blue Screen of Death" (BSOD).                  | Incompatible RAM or faulty module.                | Ensure the RAM is compatible with your Fujitsu LIFEBOOK A573/G. Run a memory diagnostic tool (e.g., Windows Memory Diagnostic) to check for errors. If issues persist, contact support. |

## 7. SPECIFICATIONS

Technical specifications for the PARTS-QUICK 16GB (2x8GB) DDR3 1600MHz SODIMM RAM kit:

| Feature                  | Detail                  |
|--------------------------|-------------------------|
| Capacity                 | 16GB (2 x 8GB modules)  |
| Form Factor              | 204-pin SODIMM          |
| Memory Type              | DDR3                    |
| Speed                    | PC3-12800 (1600MHz)     |
| CAS Latency              | CL11                    |
| Voltage                  | 1.5V                    |
| Error Checking           | Non-ECC                 |
| Buffering                | Unbuffered              |
| Compatibility            | Fujitsu LIFEBOOK A573/G |
| Environmental Compliance | Halogen Free; ROHS      |

## 8. WARRANTY AND SUPPORT

This PARTS-QUICK memory kit is backed by a **Lifetime Warranty**. For technical support or warranty claims, please contact PARTS-QUICK directly.

You can typically find contact information on the officialparts-quick brand page or through their customer service channels.