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› parts-quick 8GB DDR3L 1600MHz PC3L-12800 SODIMM Memory Module Instruction Manual

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Product Instruction Manual

parts-quick 8GB DDR3L 1600MHz PC3L-12800 SODIMM Memory Module

INTRODUCTION

This manual provides essential information for the installation, use, and maintenance of your parts-quick 8GB DDR3L 1600MHz PC3L-12800 SODIMM memory module. This module is designed to be compatible with the Fujitsu LIFEBOOK AH544/G32 and similar systems requiring DDR3L SODIMM memory.

Please read this manual thoroughly before proceeding with installation to ensure proper function and to avoid potential damage to your system or the memory module.

PRODUCT OVERVIEW



Image: A single parts-quick 8GB DDR3L 1600MHz PC3L-12800 SODIMM memory module. The module is blue with a white label displaying "parts-quick" logo, a barcode, and "8GB PC3L-12800S 1600MHz 1Gx64". This is a standard laptop memory module.

The parts-quick 8GB DDR3L 1600MHz PC3L-12800 SODIMM is a low-voltage (1.35V) memory module designed for enhanced power efficiency and compatibility with systems that require DDR3L. It features a 204-pin form factor, making it suitable for laptops and small form factor PCs.

SETUP AND INSTALLATION

Installing a memory module requires careful handling and adherence to safety precautions. It is recommended to consult your computer's specific service manual for detailed instructions on accessing and replacing memory modules.

Safety Precautions:

- **Power Off:** Always power off your computer completely and disconnect it from the power outlet before opening the chassis.
- **Static Discharge:** Static electricity can damage electronic components. Ground yourself by touching a metal part of the computer chassis before handling the memory module. Consider using an anti-static wrist strap.
- **Handle with Care:** Hold the memory module by its edges. Avoid touching the gold connectors or the integrated circuits (chips) on the module.

Installation Steps:

1. **Prepare Your System:** Shut down your computer, disconnect all cables (power, USB, etc.), and remove the battery if it's a laptop.
2. **Access Memory Slots:** Open your computer's chassis or the memory compartment cover. Refer to your computer's manual for exact location and access.
3. **Remove Existing Module (if applicable):** If replacing an existing module, gently push the retention clips on both sides of the memory slot outwards. The module will pop up at an angle. Carefully pull it out of the slot.
4. **Insert New Module:** Align the notch on the new parts-quick memory module with the key in the memory slot. Insert the module at a 45-degree angle into the slot.
5. **Secure Module:** Gently push down on the module until the retention clips on both sides snap into place, securing the module horizontally. Ensure it is firmly seated.
6. **Reassemble:** Close the memory compartment cover or chassis, reconnect all cables, and reinsert the battery (if applicable).
7. **Power On:** Turn on your computer. The system should automatically detect the new memory. You may need to check system information in your operating system to confirm the installed memory.

OPERATING CONSIDERATIONS

Once installed, the memory module operates automatically as part of your computer's system. No specific user interaction is required for its operation.

Compatibility:

This module is DDR3L (Low Voltage DDR3) and operates at 1.35V. Ensure your system supports DDR3L memory. While some systems may support both DDR3 (1.5V) and DDR3L (1.35V), it is crucial to verify compatibility with your motherboard and CPU to prevent potential issues.

The module operates at 1600MHz (PC3L-12800). Your system will run the memory at the highest speed supported by both the memory module and your motherboard/CPU combination.

MAINTENANCE

Memory modules generally require no ongoing maintenance once installed. However, proper handling during installation and any subsequent removal is important.

- **Cleanliness:** Keep the memory slots and surrounding areas inside your computer free from dust and debris. Use compressed air if necessary, ensuring the system is powered off.
- **Environmental Conditions:** Operate your computer in a well-ventilated area to prevent overheating, which can affect all internal components, including RAM.
- **Physical Handling:** If you need to remove or re-install the module, always follow the safety precautions outlined in the "Setup and Installation" section.

TROUBLESHOOTING

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

- **No Boot / Black Screen:**
 - Ensure the memory module is fully seated in its slot. Re-seat it firmly, ensuring the clips snap into place.
 - Verify the module is inserted in the correct orientation (notch alignment).
 - If multiple modules are installed, try booting with only the new module, or try the new module in a different slot.
 - Check your system's compatibility with DDR3L (1.35V) memory.
- **Incorrect Memory Size Detected:**
 - Ensure the module is fully seated.
 - Update your system's BIOS/UEFI to the latest version, as this can improve memory compatibility and detection.
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic, MemTest86) to check for errors.
- **System Instability / Blue Screens (BSOD):**
 - This can indicate a faulty module or incompatibility. Run a memory diagnostic tool.
 - Ensure your system's cooling is adequate to prevent overheating.

If issues persist after following these steps, contact parts-quick technical support for further assistance.

SPECIFICATIONS

Feature	Detail
Capacity	8GB
Form Factor	204 pin SODIMM
Memory Type	DDR3L
Speed	1600MHz (PC3L-12800)
Voltage	1.35V (Low Voltage)
Error Checking	Non-ECC
Buffering	Unbuffered

Feature	Detail
CAS Latency	CL11
Environmental Compliance	Halogen Free; ROHS
Compatible Systems	Fujitsu LIFEBOOK AH544/G32 (and other systems requiring DDR3L 204-pin SODIMM)

WARRANTY AND SUPPORT

The parts-quick 8GB DDR3L 1600MHz PC3L-12800 SODIMM memory module is backed by a**Lifetime Warranty**. For technical assistance or warranty claims, please contact parts-quick customer support. Refer to the packaging or the official parts-quick website for the most current contact information.

Toll Free Technical Support is available to assist with installation questions or troubleshooting.

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