

Compaq 4GB (2X2GB) DDR 200MHz PC-1600 184-PIN ECC Registered DIMM

HP-Compaq 4GB (2x2GB) DDR 200MHz PC-1600 184-Pin ECC Registered DIMM Memory Kit User Manual

Model: 4GB (2X2GB) DDR 200MHz PC-1600 184-PIN ECC Registered DIMM

1. Introduction

This manual provides essential instructions for the proper installation, operation, and maintenance of your HP-Compaq 4GB (2x2GB) DDR 200MHz PC-1600 184-Pin ECC Registered DIMM Memory Kit. This memory kit is designed specifically for server systems requiring ECC Registered DDR memory. Please read this manual thoroughly before proceeding with installation to ensure optimal performance and system stability.

2. Safety Precautions

- Always power off and unplug the server from the power source before opening the chassis or handling internal components.
- Discharge any static electricity from your body by touching a grounded metal object (e.g., the server chassis) before handling memory modules. Consider using an anti-static wrist strap.
- Handle memory modules by their edges to avoid touching the gold contacts or integrated circuits.
- Ensure proper ventilation in your server environment.

3. Setup and Installation

Follow these steps to install the memory modules into your compatible server system:

1. **Prepare the Server:** Power down the server completely and disconnect all power cables.
2. **Open the Chassis:** Refer to your server's documentation for instructions on how to safely open the chassis.
3. **Locate DIMM Slots:** Identify the available DDR DIMM slots on the motherboard. Consult your server's manual for the correct slot population order, especially for multi-channel configurations.
4. **Prepare the Slots:** Gently push the ejector clips at both ends of the DIMM slot outwards.

5. **Insert Memory Module:** Align the notch on the memory module with the key in the DIMM slot. Carefully insert the module straight down into the slot.
6. **Secure the Module:** Apply even pressure to both ends of the module until the ejector clips snap into place, securing the module. Do not force the module if it does not fit; recheck alignment.
7. **Repeat for Additional Modules:** Install the second 2GB module following the same procedure, ensuring it is placed in the correct corresponding slot as per your server's manual.
8. **Close the Chassis:** Once all modules are securely installed, close the server chassis.
9. **Reconnect Power:** Reconnect all power cables and power on the server.
10. **Verify Installation:** During system boot, check the BIOS/UEFI or operating system to confirm that the new memory is recognized and functioning correctly.

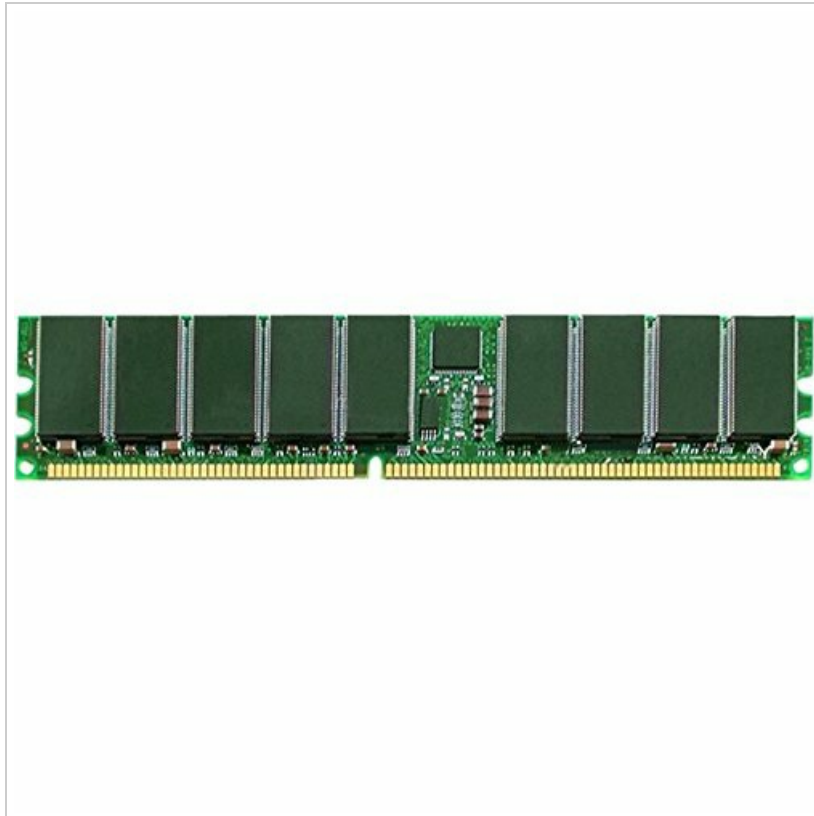


Image: HP-Compaq 4GB (2x2GB) DDR 200MHz PC-1600 184-Pin ECC Registered DIMM Memory Kit. This image shows the two memory modules, highlighting their physical appearance and form factor for identification during installation.

4. Operation

Once installed, the HP-Compaq ECC Registered DIMM memory modules operate automatically with your server's motherboard and operating system. The system BIOS/UEFI will detect the new memory capacity and configure it for use. ECC (Error-Correcting Code) functionality works in the background to detect and correct common memory errors, enhancing system stability and data integrity, which is crucial for server environments.

5. Maintenance and Care

Memory modules generally require minimal maintenance. To ensure longevity and reliable performance:

- **Keep Clean:** Periodically clean the interior of your server to prevent dust buildup, which can impede airflow and lead to overheating. Use compressed air to gently remove dust from around memory modules and other components.
- **Proper Handling:** When handling memory modules, always hold them by the edges. Avoid touching the gold contacts or the chips themselves to prevent damage from static electricity or oils from your skin.

- **Environmental Control:** Operate your server in a cool, dry, and well-ventilated environment to prevent thermal stress on components.

6. Troubleshooting

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

- **System Not Booting/POST Errors:**

- Ensure modules are fully seated in their slots and ejector clips are locked.
- Verify that the modules are installed in the correct slots according to your server's motherboard manual.
- Try installing one module at a time to identify if a specific module is faulty.
- Check for compatibility with your server's motherboard and CPU. This memory is ECC Registered DDR, designed for specific server chipsets.

- **Incorrect Memory Detected:**

- Check the BIOS/UEFI settings to ensure the memory is detected correctly.
- Update your server's BIOS/UEFI to the latest version, as this can improve memory compatibility and detection.

- **System Instability/Crashes:**

- Run a memory diagnostic tool (e.g., MemTest86) to check for errors.
- Ensure adequate cooling within the server chassis.

If problems persist, consult your server's manufacturer support or a qualified technician.

7. Product Specifications

Feature	Specification
RAM Capacity	4 GB (2 x 2GB modules)
RAM Technology	DDR SDRAM
Memory Speed	200 MHz (PC-1600)
Pin Count	184-Pin
Form Factor	DIMM (Registered ECC)
Error Correction	ECC Registered
Brand	Compaq / HP-Compaq
ASIN	B00IMYDSQ4

8. Warranty and Support

This HP-Compaq memory kit is covered by the manufacturer's standard warranty. For specific warranty terms, duration, and support options, please refer to the documentation provided with your server system or visit the official HP-Compaq support website. Keep your proof of purchase for warranty claims.

