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› parts-quick 8GB DDR3 PC3L-10600R 1333MHz ECC Registered Server DIMM RAM User Manual

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Model: PC3L-10600R | Brand: parts-quick

1. INTRODUCTION

This manual provides essential information for the installation, operation, maintenance, and troubleshooting of your parts-quick 8GB DDR3 PC3L-10600R 1333MHz ECC Registered Server DIMM RAM module. This memory module is designed for compatibility with systems such as the Huawei Tecal RH2285 V2 Rack Server, enhancing system performance and stability.

2. SAFETY INFORMATION

Always observe the following safety precautions when handling and installing memory modules:

- **Power Off:** Ensure the server or computer system is completely powered off and unplugged from the power source before installation.
- **Static Electricity:** Electronic components are sensitive to static electricity. Use an anti-static wrist strap or touch a grounded metal object (like the unpainted metal chassis of the server) before handling the memory module to discharge static.
- **Handle with Care:** Hold the memory module by its edges. Avoid touching the gold connector pins or the integrated circuits (chips) on the module.
- **Ventilation:** Ensure adequate ventilation around the server to prevent overheating after installation.

3. SETUP AND INSTALLATION

Follow these steps to properly install your new memory module:

1. Prepare the System:

- Shut down your server or computer system completely.
- Unplug all power cables and any connected peripherals.

- Open the server chassis according to the manufacturer's instructions.
2. **Locate DIMM Slots:** Identify the available DIMM (Dual In-line Memory Module) slots on your motherboard. Refer to your server's manual for specific slot configurations and population rules.
 3. **Install the Memory Module:**
 - Gently push open the retention clips at both ends of the DIMM slot.
 - Align the notch on the memory module with the key in the DIMM slot. This ensures correct orientation.
 - Place the module into the slot and apply even pressure to both ends until the retention clips snap into place, securing the module. Do not force the module if it does not fit easily.
 4. **Close and Power On:**
 - Close the server chassis.
 - Reconnect all power cables and peripherals.
 - Power on the system.
 5. **Verify Installation:**
 - During system boot, enter the BIOS/UEFI setup (usually by pressing DEL, F2, F10, or F12). Verify that the new memory capacity is recognized.
 - Once the operating system loads, check the system information to confirm the installed RAM.



Figure 3.1: The parts-quick 8GB DDR3 PC3L-10600R 1333MHz ECC Registered Server DIMM RAM module. This image shows the physical appearance of the memory stick, including its chips and gold connector pins, ready for installation into a compatible server motherboard slot.

4. OPERATION AND VERIFICATION

Once installed, the memory module operates automatically. The primary "operation" is its recognition and utilization by the system. To ensure proper functioning:

- **BIOS/UEFI Check:** Access your system's BIOS/UEFI settings during startup to confirm the total installed memory matches the expected amount (e.g., original RAM + 8GB).
- **Operating System Check:** In Windows, navigate to "System Information" or "About your PC". In Linux, use commands like `free -h` or `dmidecode --type memory`. In macOS, go to "About This Mac". Verify the reported memory.
- **Stability Test:** Run memory diagnostic tools (e.g., MemTest86, Windows Memory Diagnostic) to check for errors, especially after initial installation or if you experience system instability.

5. MAINTENANCE

Memory modules generally require minimal maintenance. However, following these guidelines can help ensure longevity:

- **Dust Removal:** 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 DIMM slots.
- **Environmental Control:** Operate your server in a clean, temperature-controlled environment to avoid extreme heat, cold, or humidity, which can degrade electronic components.
- **Secure Installation:** Ensure memory modules remain firmly seated in their slots. Loose connections can cause intermittent errors.

6. TROUBLESHOOTING

If you encounter issues after installing your parts-quick memory module, consider the following troubleshooting steps:

- **System Does Not Boot or Beeps:**
 - **Re-seat the Module:** Power off the system, unplug it, and carefully remove and re-install the memory module, ensuring it is fully seated and the clips are locked.
 - **Check Compatibility:** Verify that the memory module is compatible with your server's motherboard and CPU. Refer to your server's documentation.
 - **Test Individually:** If you installed multiple modules, try installing them one at a time to identify a potentially faulty module or slot.
- **Incorrect Memory Capacity Detected:**
 - **BIOS/UEFI Update:** Ensure your server's BIOS/UEFI firmware is up to date, as older versions may not fully support newer memory modules or larger capacities.
 - **Check Slot Configuration:** Some motherboards require specific DIMM slot population orders. Consult your server manual.
- **System Instability or Crashes:**
 - **Run Memory Diagnostics:** Use a memory testing tool (e.g., MemTest86) to thoroughly check the memory for errors.
 - **Check for Overheating:** Ensure proper airflow and cooling within the server chassis.

7. SPECIFICATIONS

Feature	Detail
Brand	parts-quick
Capacity	8 GB
RAM Memory Technology	DDR3
Memory Speed	1333 MHz (PC3L-10600R)
Form Factor	240 pin DIMM
Voltage	1.35 Volts (Low Voltage)
Special Features	ECC, Registered Memory, Lightweight
Compatibility	Huawei Tecal RH2285 V2 Rack Server (System Specific)
Halogen Free	Yes
ROHS Compliant	Yes

8. WARRANTY AND SUPPORT

Your parts-quick memory module is backed by a Lifetime Warranty, ensuring long-term reliability and peace of mind. For technical assistance or warranty claims, please contact parts-quick customer support.

- **Warranty:** Lifetime Warranty
- **Technical Support:** Toll-Free Technical Support is available. Refer to the parts-quick official website or product packaging for contact details.