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› parts-quick 32GB DDR5 5600MHz UDIMM RAM for ASUS ExpertCenter E500 G9 - Instruction Manual

parts-quick 32GB DDR5 5600MHz UDIMM

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1. INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of your parts-quick 32GB DDR5 5600MHz UDIMM RAM module. This memory module is specifically designed for compatibility with the ASUS ExpertCenter E500 G9 system. Please read this manual thoroughly before proceeding with installation to ensure optimal performance and system stability.

2. SAFETY INFORMATION

- **Power Off:** Always power off your computer and disconnect it from the power outlet before opening the computer case or handling internal components.
- **Static Electricity:** Electronic components are sensitive to static electricity. Discharge any static electricity from your body by touching a grounded metal object (e.g., the unpainted metal surface of your computer chassis) before handling the RAM module. Consider using an anti-static wrist strap.
- **Handle with Care:** Hold the RAM module by its edges. Avoid touching the gold connector pins or the integrated circuits (chips) on the module.
- **Ventilation:** Ensure your computer system has adequate ventilation to prevent overheating, which can affect memory performance and longevity.

3. PACKAGE CONTENTS

Verify that your package contains the following item:

- 1x parts-quick 32GB DDR5 5600MHz UDIMM RAM Module

If any items are missing or damaged, please contact parts-quick support immediately.

4. SETUP AND INSTALLATION

Follow these steps to install the DDR5 RAM module into your ASUS ExpertCenter E500 G9 system.

1. Preparation:

- Power down your ASUS ExpertCenter E500 G9 completely.
- Unplug the power cord and any other connected cables (monitor, USB devices, etc.).
- Open the computer case according to your system's manufacturer instructions.
- Discharge static electricity by touching a grounded metal surface.

2. **Locate RAM Slots:** Identify the DIMM slots on your motherboard. Refer to your ASUS ExpertCenter E500 G9 system manual for the exact location and recommended slot configuration for optimal performance (e.g., dual-channel setup).

3. **Prepare Slots:** If installing into an empty slot, gently push the retention clips at both ends of the DIMM slot outwards until they click open. If replacing an existing module, open the clips and carefully remove the old module.

4. Insert RAM Module:

- Align the notch on the bottom edge of the DDR5 RAM module with the key in the DIMM slot. DDR5 modules have a specific notch placement to prevent incorrect insertion.
- Place the module into the slot and apply even pressure to both ends of the module until it seats firmly. The retention clips should automatically snap into place, securing the module. If they do not, gently push them inwards until they lock.

5. **Verify Installation:** Visually inspect the module to ensure it is fully seated and the clips are locked. The gold contacts should be almost entirely hidden within the slot.

6. Reassemble and Power On:

- Close the computer case.
- Reconnect all cables, including the power cord.
- Power on your computer.

7. **System Verification:** Upon booting, your system should automatically detect the new memory. You can verify the installed RAM capacity in your operating system's system information or within the BIOS/UEFI settings.



Figure 1: parts-quick 32GB DDR5 5600MHz UDIMM RAM Module. This image shows the physical appearance of the memory module, highlighting its form factor and general design.

5. OPERATING INSTRUCTIONS

Once correctly installed, the parts-quick DDR5 RAM module operates automatically with your ASUS ExpertCenter E500 G9 system. No specific user interaction is required for its operation. The system's BIOS/UEFI and operating system will manage memory allocation and usage.

6. MAINTENANCE

The parts-quick DDR5 RAM module is a solid-state component and requires minimal maintenance. To ensure its longevity and optimal performance:

- **Keep System Clean:** Regularly clean the interior of your computer case to prevent dust buildup, which can impede airflow and lead to overheating. Use compressed air to gently remove dust from components, including around the RAM modules and slots.
- **Ensure Proper Airflow:** Do not obstruct the ventilation openings of your computer. Proper airflow helps maintain stable operating temperatures for all components, including RAM.
- **Avoid Physical Stress:** Do not apply excessive force or bend the RAM module.

7. TROUBLESHOOTING

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

- **System Not Booting / No Display:**
 - Ensure the RAM module is fully seated in its slot and the retention clips are locked. Remove and re-insert the module firmly.

- Try installing the module in a different DIMM slot.
 - If you have multiple modules, try installing them one at a time to identify a potentially faulty module or slot.
 - Consult your ASUS ExpertCenter E500 G9 manual for specific POST (Power-On Self-Test) error codes or beep patterns related to memory issues.
- **Incorrect RAM Capacity Detected:**
 - Verify that your operating system and motherboard BIOS/UEFI are updated to the latest versions, as this can improve memory compatibility and detection.
 - Check your system's BIOS/UEFI settings to ensure the memory is recognized correctly.
 - Confirm that your ASUS ExpertCenter E500 G9 supports the total amount of RAM installed.
 - **System Instability / Crashes:**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic or MemTest86) to check for errors in the RAM module.
 - Ensure your system's cooling is adequate to prevent overheating.

If these steps do not resolve the issue, please refer to the Warranty and Support section for further assistance.

8. SPECIFICATIONS

Feature	Specification
Brand	parts-quick
Computer Memory Size	32 GB
RAM Memory Technology	DDR5 5600 PC5-44800
Memory Speed	5600 MHz
Compatible Devices	ASUS ExpertCenter E500 G9
Additional Features	UDIMM
Voltage	1.1 Volts
Column Address Strobe Latency	46
Form Factor	288-pin
ROHS Compliance	HALOGEN FREE

9. WARRANTY AND SUPPORT

Your parts-quick 32GB DDR5 5600MHz UDIMM RAM module is backed by a**LIFETIME REPLACEMENT** warranty. This warranty covers defects in materials and workmanship under normal use. For technical assistance, warranty claims, or any questions regarding your product, please contact parts-quick technical support. Refer to the official parts-quick website or your purchase documentation for the most current

contact information, including toll-free technical support options.

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