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> parts-quick 64GB DDR4 3200MHz ECC RDIMM RAM User Manual for Supermicro SYS-820GP-TNAR+

parts-quick 64GB-DDR4-3200-RD-SM-12246

parts-quick 64GB DDR4 3200MHz ECC RDIMM RAM User Manual

Model: 64GB-DDR4-3200-RD-SM-12246 | Brand: parts-quick

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your parts-quick 64GB DDR4 PC4-25600 3200MHz ECC Registered DIMM. This memory module is specifically designed for compatibility with Supermicro GPU SuperServer SYS-820GP-TNAR+ (Super X12DGO-6) systems. Please read this manual thoroughly before proceeding with installation to ensure optimal performance and system stability.

SAFETY INFORMATION

Always observe the following safety precautions when handling computer components:

- Ensure the system is completely powered off and unplugged from the power source before opening the chassis.
- Discharge any static electricity from your body by touching a grounded metal object (e.g., the unpainted metal part of the computer 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.
- Keep memory modules in their anti-static packaging until ready for installation.

SETUP AND INSTALLATION

Follow these steps to install the 64GB DDR4 ECC RDIMM into your Supermicro GPU SuperServer SYS-820GP-TNAR+:

1. **Preparation:** Power down your Supermicro server and disconnect all power cables. Open the server chassis according to the server's manufacturer instructions.
2. **Locate DIMM Slots:** Identify the available DDR4 DIMM slots on your server's motherboard. Refer to

your Supermicro server's manual for the correct slot population order, especially if installing multiple modules.

3. **Unpack Memory Module:** Carefully remove the parts-quick 64GB DDR4 ECC RDIMM from its anti-static packaging.
4. **Insert Module:** Hold the memory module by its edges. Align the notch on the module with the key in the DIMM slot. Press down firmly and evenly on both ends of the module until the retaining clips on the sides of the slot snap into place, securing the module.
5. **Verify Installation:** Visually inspect the module to ensure it is seated correctly and the clips are fully engaged.

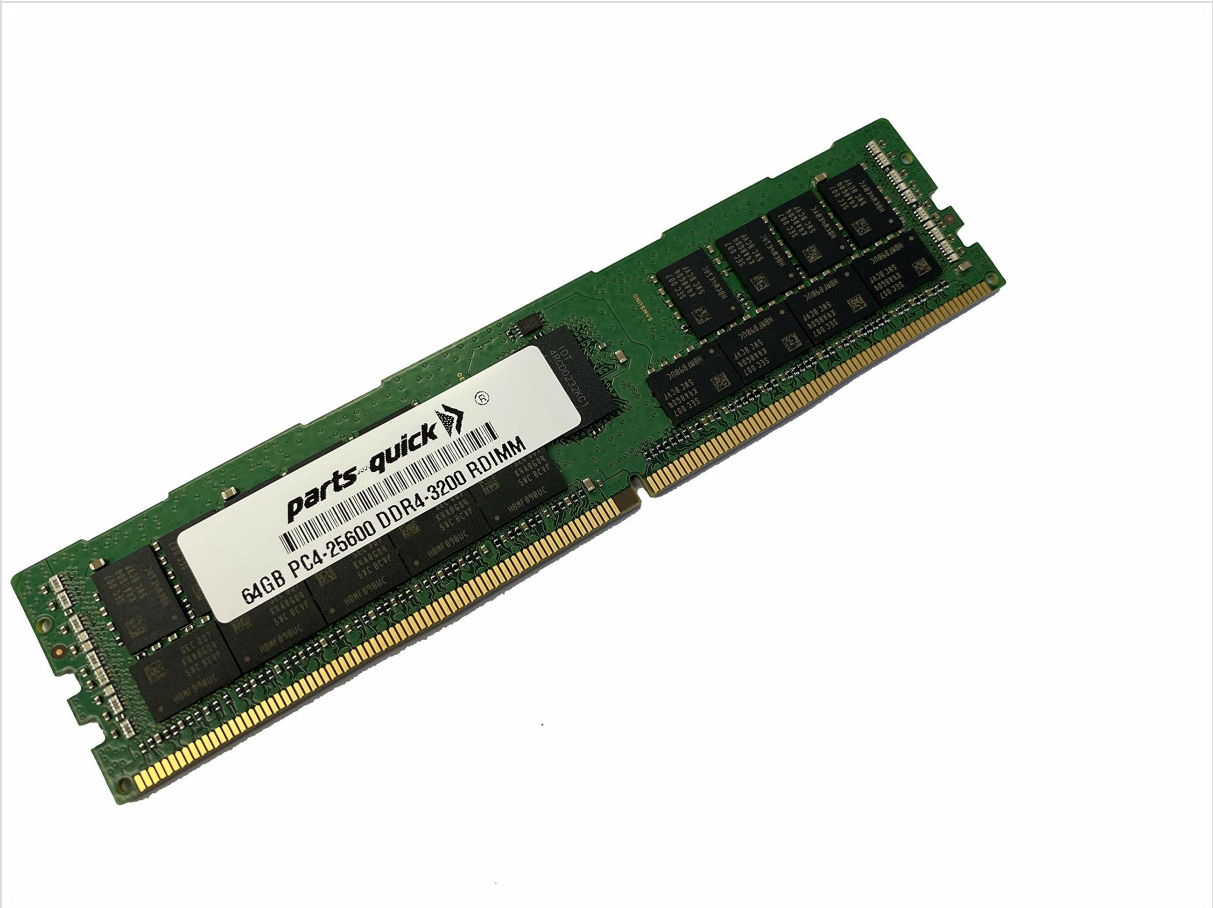


Image: parts-quick 64GB DDR4 3200MHz ECC RDIMM Memory Module. This image illustrates the general appearance of the memory module. Ensure proper alignment with the DIMM slot key before insertion.

Important Note on Memory Types: This system supports Registered RDIMM and Load Reduced LRDIMM memory modules. However, **RDIMM and LRDIMM CANNOT be mixed within the same system.** Ensure all installed memory modules are of the same type (RDIMM in this case).

OPERATING

After successful physical installation, proceed with the following steps:

1. **Close Chassis and Reconnect Power:** Secure the server chassis and reconnect all power cables.
2. **Power On System:** Power on your Supermicro server.
3. **BIOS/UEFI Verification:** During startup, access the system's BIOS/UEFI settings (refer to your server's manual for key press). Verify that the newly installed 64GB memory is detected correctly and operating at the specified speed (3200MHz).
4. **Operating System Recognition:** Once the operating system loads, confirm that the total installed

memory is recognized correctly.

MAINTENANCE

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

- Keep the server environment clean and free of dust. Dust accumulation can impede airflow and lead to overheating.
- Avoid physical shock or excessive vibration to the server.
- Only handle memory modules when necessary and always follow anti-static precautions.

TROUBLESHOOTING

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

- **System Not Booting / No Display:** Ensure the memory module is fully seated in its slot. Remove and re-insert the module, ensuring the retaining clips snap into place. Try installing one module at a time if multiple modules were installed.
- **Incorrect Memory Capacity Detected:** Verify that the module is correctly seated. Check your server's BIOS/UEFI settings to confirm the detected memory. Ensure you are not mixing RDIMM and LRDIMM types.
- **System Instability / Crashes:** This could indicate a faulty module or improper installation. Re-seat the module. If issues persist, test the module in a different compatible slot or system if possible.
- **Refer to Server Manual:** Consult your Supermicro GPU SuperServer SYS-820GP-TNAR+ manual for specific memory troubleshooting guidelines and error codes.

SPECIFICATIONS

Feature	Specification
Capacity	64GB
Memory Type	DDR4 ECC Registered DIMM (RDIMM)
Speed	3200MHz (PC4-25600)
Pin Count	288-pin
CAS Latency (CL)	CL22
Voltage	1.2V
Form Factor	DIMM
Compatibility	Supermicro GPU SuperServer SYS-820GP-TNAR+ (Super X12DGO-6)
ROHS Compliance	HALOGEN FREE

WARRANTY AND SUPPORT

This parts-quick memory module is backed by a **Lifetime Warranty**. For technical assistance or warranty claims, please contact parts-quick customer support. Toll-free technical support is available to assist you

with any questions or issues you may encounter.

For further details, please refer to the official parts-quick website or your purchase documentation.