

Manuals.plus /

> [A-Tech](#) /

> A-Tech 8GB DDR4 2666MHz ECC RDIMM Server Memory Module Instruction Manual for Quanta D51B-1U and QuantaPlex T41S-2U

A-Tech ASL210

A-Tech 8GB DDR4 2666MHz ECC RDIMM Server Memory Module Instruction Manual

Model: ASL210 | Compatible with Quanta D51B-1U, QuantaPlex T41S-2U

1. PRODUCT OVERVIEW

This document provides essential instructions for the installation, operation, and maintenance of your A-Tech 8GB DDR4 2666MHz ECC Registered DIMM (RDIMM) server memory module. This module is specifically designed to enhance the performance and stability of compatible server systems, including the Quanta D51B-1U and QuantaPlex T41S-2U. The A-Tech memory module is engineered for reliability and undergoes stringent quality control testing to ensure dependable performance in server environments. It operates at 1.2V, adhering to the JEDEC DDR4 standard.

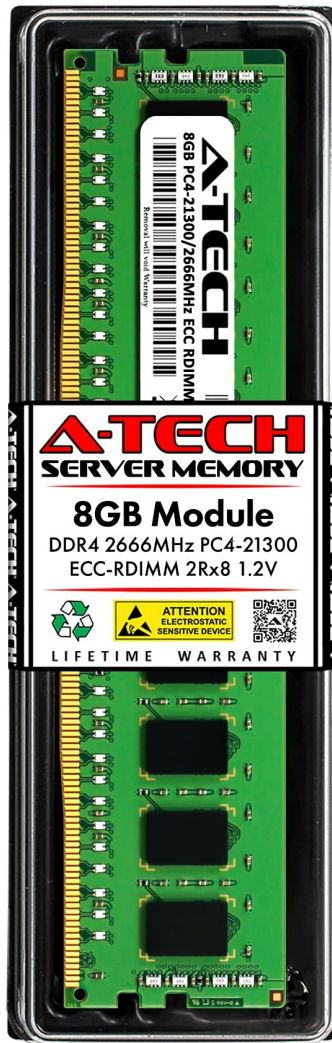


Figure 1: A-Tech 8GB DDR4 2666MHz ECC RDIMM Server Memory Module. This image displays the physical appearance of the memory module, highlighting the A-Tech branding, capacity, speed, and ECC RDIMM designation.

2. SETUP AND INSTALLATION

Before proceeding with the installation, ensure your server system is powered off and disconnected from all power sources. It is recommended to wear an anti-static wrist strap to prevent electrostatic discharge (ESD), which can damage electronic components.

2.1 Safety Precautions

- Always power off and unplug the server before opening the chassis.
- Ground yourself using an anti-static wrist strap or by touching a grounded metal object to discharge static electricity.
- Handle memory modules by their edges, avoiding contact with the gold connectors or integrated circuits.
- Refer to your server's system manual for specific instructions regarding memory seating and channel guidelines.

2.2 Installation Steps

1. **Prepare the Server:** Power down your server completely and disconnect the power cord. Open the server chassis according to the manufacturer's instructions.
2. **Locate DIMM Slots:** Identify the available DDR4 DIMM slots on your server's motherboard. Consult your server's manual for the correct slot population order, especially if installing multiple modules.
3. **Open Retention Clips:** Gently push the retention clips at both ends of the DIMM slot outwards to open them.
4. **Insert Memory Module:** Align the notch on the A-Tech memory module with the key in the DIMM slot. Ensure the module is

oriented correctly.

5. **Seat the Module:** Apply even pressure to both ends of the memory module until it clicks into place and the retention clips automatically close. Verify that the clips are fully engaged.
6. **Close and Power On:** Once all modules are installed, close the server chassis, reconnect the power cord, and power on the system.



Figure 2: An angled view of the A-Tech 8GB DDR4 2666MHz ECC RDIMM Server Memory Module. This image provides an additional perspective of the module's physical design.

3. OPERATING INSTRUCTIONS

After successful installation, the A-Tech memory module operates automatically within your server system. No specific user interaction is required for its function beyond initial installation.

3.1 Verifying Installation

- **BIOS/UEFI Check:** Upon booting your server, enter the BIOS/UEFI setup. Navigate to the system information or memory section to confirm that the newly installed RAM is recognized and the total memory capacity is updated.
- **Operating System Check:** Once the operating system loads, verify the installed memory.
 - **Windows:** Open Task Manager (Ctrl+Shift+Esc) and go to the Performance tab, then select Memory.
 - **Linux:** Use commands like `free -h` or `cat /proc/meminfo` in the terminal.

4. MAINTENANCE

Memory modules generally require minimal maintenance. Proper handling during installation and ensuring a clean operating environment are key to their longevity.

- **Keep Clean:** Ensure the server's interior is free from dust and debris, which can impede airflow and lead to overheating.
- **Temperature Control:** Operate the server within its recommended temperature range to prevent thermal stress on components, including RAM.
- **Avoid Physical Stress:** Do not bend or apply excessive force to the memory module.

5. 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. Re-seat the module firmly.
 - Verify that the retention clips are securely closed.
 - Check if the module is installed in the correct DIMM slot according to your server's manual.
 - If multiple modules are installed, try booting with one module at a time to identify a potentially faulty module or slot.
- **Incorrect Memory Capacity Reported:**

- Confirm that the module is correctly seated.
 - Update your server's BIOS/UEFI firmware to the latest version, as this can improve memory compatibility and recognition.
 - Ensure your server's motherboard supports the installed memory type (DDR4 ECC RDIMM) and capacity.
- **System Instability / Crashes:**
- Run a memory diagnostic tool (e.g., MemTest86) to check for errors in the RAM module.
 - Verify that the memory speed and timings are correctly configured in the BIOS/UEFI, or set them to default.

If issues persist after following these steps, please contact A-Tech Technical Support for further assistance.

6. SPECIFICATIONS

Feature	Detail
Brand	A-Tech
Model Number	ASL210
Memory Size	8 GB
Memory Technology	DDR4 SDRAM
Memory Speed	2666 MHz (PC4-21300)
Form Factor	DIMM (288-Pin)
Error Correction	ECC Registered (RDIMM)
Rank	2Rx8
Voltage	1.2V
Compatible Devices	Quanta D51B-1U, QuantaPlex T41S-2U
Product Dimensions (LxWxH)	5.25 x 1.18 x 0.15 inches (133.35 x 30 x 3.8 mm)

7. WARRANTY AND SUPPORT

A-Tech memory modules are backed by a Limited Lifetime Warranty, ensuring peace of mind regarding your investment. Our dedicated Tech Team is available to provide support before and after your purchase, assisting with any questions or issues you may encounter.

For warranty claims, technical assistance, or further inquiries, please visit the official A-Tech website or contact our support team directly. You can find more information and contact details on the [A-Tech Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0CGMN7PBF>

More documents and user manuals: <https://manuals.plus/>