

A-Tech ARU976

A-Tech 128GB DDR5 4800MHz ECC Registered Server Memory Installation Guide

Model: ARU976

INTRODUCTION

This manual provides essential information for the installation and proper use of your A-Tech 128GB Kit (8x16GB) DDR5 4800MHz PC5-38400 EC8 RDIMM ECC Registered Server Memory. Please read these instructions carefully before proceeding with installation to ensure optimal performance and system stability.

PRODUCT OVERVIEW

Key Features

- **Compatibility:** Specifically designed for Tyan Server models: B5652F65TV6E2H-G, B7132T75AV10E16HR-2T, FT65T-B8050, GC68A-B7136, TS75A-B7132.
- **Capacity:** 128 GB Kit (8 x 16 GB Modules).
- **Type:** DDR5 4800 MHz (PC5-38400 / PC5-4800) DIMM (288-Pin).
- **Error Correction:** 1Rx8 (EC8) ECC Registered for enhanced data integrity.
- **Voltage:** JEDEC DDR5 standard 1.1V.
- **Performance:** Improves system performance by expanding memory capacity, reducing bottlenecks, and speeding up loading times.
- **Quality Assurance:** All A-Tech memory modules undergo stringent quality control testing.

Specifications

Attribute	Detail
RAM Capacity	128 GB (8x16GB)

Memory Technology	DDR5
Memory Speed	4800 MHz (PC5-38400)
Module Type	RDIMM (Registered DIMM)
Error Correction	ECC Registered
Voltage	1.1 Volts
Pin Count	288-Pin
Form Factor	DIMM
Model Number	ARU976
Product Dimensions	5.25 x 1.23 x 0.15 inches (133.35 x 31.25 x 3.81 mm)
Compatible Devices	Server Systems

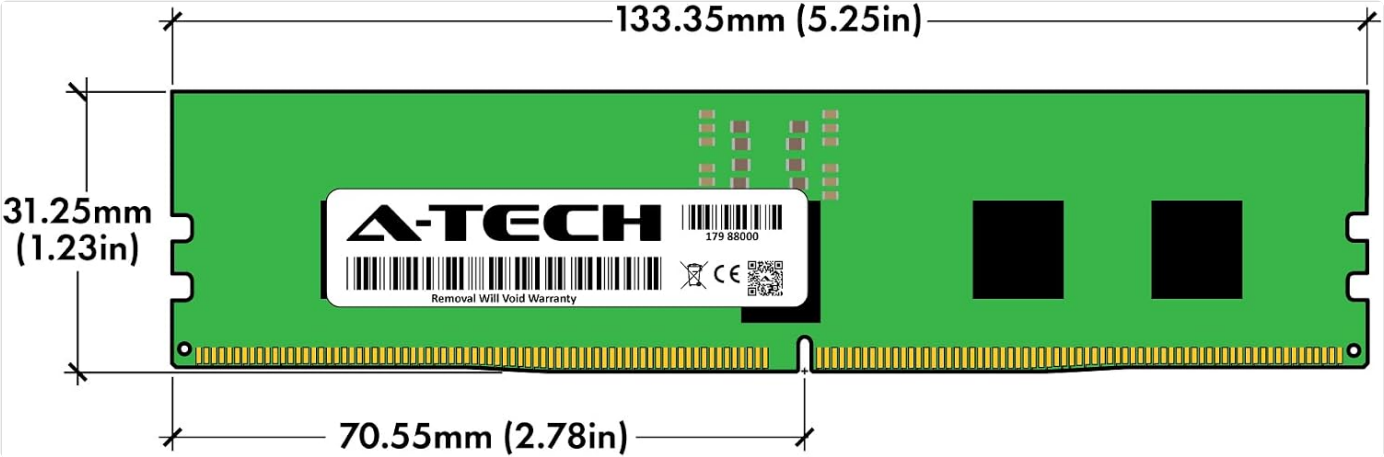


Image: A-Tech DDR5 RDIMM module with detailed dimensions. The module measures 133.35mm (5.25 inches) in length and 31.25mm (1.23 inches) in height.

COMPATIBILITY

This A-Tech memory kit is specifically engineered for server environments. It is compatible with the following Tyan Server models:

- Tyan B5652F65TV6E2H-G
- Tyan B7132T75AV10E16HR-2T
- Tyan FT65T-B8050
- Tyan GC68A-B7136
- Tyan TS75A-B7132

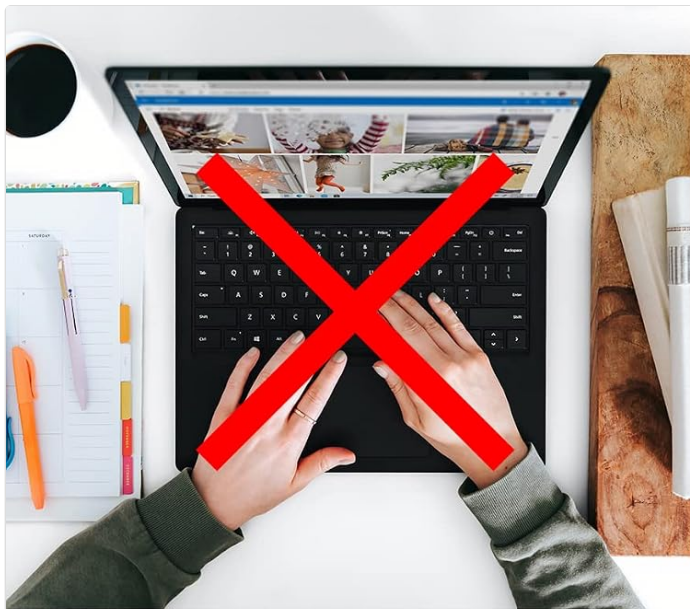


COMPATIBILITY

Designed for Servers and Workstations compatible with
DDR5 ECC RDIMM (288-Pin) memory

Image: Server racks with illuminated components, illustrating the memory's design for server and workstation environments compatible with DDR5 ECC RDIMM (288-Pin) memory.

Important Note: This memory is NOT COMPATIBLE with standard Desktop or Laptop PC/Computers.



NOT COMPATIBLE for Desktop and Laptop PC/Computers

Image: Four panels showing laptops and desktop computers, each marked with a large red 'X', clearly indicating that this memory is not compatible with these types of personal computers.

SETUP AND INSTALLATION

Installing RAM modules requires careful handling. Always refer to your server system's specific manual for detailed instructions on memory seating and channel guidelines, as procedures may vary between server models.

Safety Precautions

- Always power off and unplug your server system before opening the chassis.
- Discharge any static electricity 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, avoiding contact with the gold connectors or integrated circuits.

Installation Steps (General Guidelines)

1. **Prepare Your System:** Power down the server, unplug all cables, and open the chassis according to your server's manual.
2. **Locate DIMM Slots:** Identify the available DDR5 DIMM slots on your server's motherboard. Consult your server manual for the correct slot population order for optimal performance.
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 DDR5 module with the key in the DIMM slot. Carefully insert the module straight down into the slot.
5. **Secure Module:** Apply even pressure to both ends of the module until the retention clips snap into place, securing the module. Ensure the module is fully seated and the clips are locked.
6. **Repeat:** Install additional modules following the same procedure and your server's specific population guidelines.
7. **Close System:** Once all modules are installed, close the server chassis, reconnect all cables, and power on the system.



Image: A close-up view of a single A-Tech 16GB DDR5 RDIMM module, highlighting its design and label. This image represents one of the eight modules included in the kit.

OPERATING

After successful installation, power on your server system. The system's BIOS/UEFI should automatically detect the new memory. You may need to enter the BIOS/UEFI setup to verify the recognized memory capacity and speed. No further operating steps are typically required for memory modules themselves, as they function automatically once installed and recognized by the system.

MAINTENANCE

A-Tech DDR5 memory modules are designed for long-term reliability and generally require no ongoing maintenance. To ensure continued optimal performance and longevity:

- **Environmental Control:** Ensure your server operates in a clean, temperature-controlled environment to prevent dust buildup and overheating.
- **Physical Handling:** If you need to remove or re-seat modules, always follow the safety precautions outlined in the "Setup and Installation" section, particularly regarding static electricity.
- **System Updates:** Keep your server's BIOS/UEFI firmware updated, as manufacturers sometimes release updates that improve memory compatibility or stability.

TROUBLESHOOTING

If you encounter issues after installing your A-Tech memory, consider the following troubleshooting steps:

- **System Not Booting / No Display:**
 - Ensure all memory modules are fully seated in their slots and the retention clips are locked.
 - Verify that the modules are installed in the correct slots according to your server's motherboard manual. Incorrect population can prevent booting.
 - Try installing only one module at a time to identify if a specific module is faulty.
 - Clear the CMOS (Complementary Metal-Oxide-Semiconductor) settings on your motherboard (refer to your server manual for instructions).
- **Incorrect Memory Capacity Detected:**
 - Check that all modules are correctly seated.
 - Confirm that your server's motherboard and CPU support the total memory capacity and type (DDR5 RDIMM ECC).
 - Update your server's BIOS/UEFI firmware to the latest version.
- **System Instability / Crashes:**
 - Run a memory diagnostic tool (e.g., MemTest86) to check for errors.
 - Ensure adequate cooling within the server chassis to prevent memory overheating.

If these steps do not resolve the issue, please contact A-Tech's Technical Support for further assistance.

WARRANTY AND SUPPORT

A-Tech stands behind the quality of its products. This A-Tech memory kit is backed by a **Limited Lifetime Warranty**, ensuring dependable and reliable performance for the lifespan of the product.

Our knowledgeable Technical Support Team is available to assist you with any questions or issues you may encounter before and after your purchase. For support, please visit the official A-Tech website or contact our customer service.



Image: A circular badge prominently displaying "WARRANTY" and "LIFETIME WARRANTY" with stars, signifying A-Tech's commitment to product longevity and support.

For more information and support, please visit: [A-Tech Memory Official Website](#)

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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

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