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> [A-Tech 8GB DDR4 SODIMM Memory Module User Manual for Intel NUC7i3DNHE](#)

### A-Tech ATMS370340C25826X1

# A-Tech 8GB DDR4 SODIMM Memory Module User Manual for Intel NUC7i3DNHE

Model: ATMS370340C25826X1

## 1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the A-Tech 8GB DDR4 2133MHz PC4-17000 SODIMM memory module. This module is specifically designed to enhance the performance of your Intel NUC7i3DNHE NUC Kit by providing a reliable and compatible memory upgrade solution. Please read these instructions carefully before installation to ensure proper function and system stability.





Image 1.1: A-Tech 8GB DDR4 SODIMM Memory Module in its protective packaging, indicating compatibility with Intel NUC7i3DNHE and featuring a lifetime warranty.

## 2. SPECIFICATIONS

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The A-Tech 8GB DDR4 SODIMM memory module features the following technical specifications:

- **Capacity:** 8GB (1 x 8GB module)
- **Memory Type:** DDR4 SODIMM
- **Speed:** 2133MHz (PC4-17000)
- **Voltage:** 1.2V
- **Pin Count:** 260-pin
- **Error Correction:** Non-ECC Unbuffered
- **Rank:** 1Rx8
- **Compatibility:** Designed for Intel NUC7i3DNHE NUC Kit, compatible with 7th Gen Intel Core i3-7100U CPU/Processor.



Image 2.1: Close-up view of the A-Tech 8GB DDR4 SODIMM module, showing its label with specifications like 8GB DDR4 PC4-17000/2133MHz 1Rx8 1.2V.

### 3. SETUP AND INSTALLATION

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Installing a memory module requires careful handling. Always refer to your system's specific instruction manual for detailed installation steps, as procedures may vary. The following are general guidelines:

1. **Safety First:** Before beginning, power off your Intel NUC system completely and disconnect all power cables and peripherals.
2. **Static Discharge:** Memory modules are sensitive to electrostatic discharge (ESD). To prevent damage, touch a grounded metal object (like an unpainted metal part of your computer chassis) before handling the memory module. Consider using an anti-static wrist strap.
3. **Access Memory Slots:** Open your Intel NUC chassis according to its manual to access the SODIMM memory slots.
4. **Remove Existing Modules (if applicable):** If replacing existing memory, gently push the small clips on either side of the SODIMM slot outwards. The module will pop up at an angle. You can then carefully pull it out.
5. **Install New Module:** Align the notch on the A-Tech SODIMM module with the key in the memory slot. Insert the module at a 45-degree angle, applying even pressure until it is fully seated.
6. **Secure Module:** Push the module down until the clips on both sides snap into place, securing the module horizontally.
7. **Reassemble and Power On:** Close the chassis, reconnect all cables, and power on your system. The system should automatically detect the new memory.

**Important:** The memory module is an electrostatic sensitive device. Handle with care to avoid damage.

### 4. OPERATING PRINCIPLES AND PERFORMANCE BENEFITS

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Random Access Memory (RAM) serves as your computer's short-term data storage, allowing the processor to quickly access information needed for active tasks. Upgrading your system's RAM, such as with this A-Tech module, can significantly improve overall performance, especially when running multiple applications simultaneously or engaging in resource-intensive activities like video editing or complex data processing.

# UPGRADE PERFORMANCE

Reduce bottlenecks, boost performance, and increase the workload capacity of your Laptop with A-Tech Memory

Image 4.1: Visual representation of performance enhancement, showing how an A-Tech memory upgrade can reduce bottlenecks and boost system workload capacity.

This SODIMM module is designed for compatibility with laptop, mini PC, and All-in-One (AIO) systems. It is crucial to confirm your system's memory requirements to ensure proper compatibility before installation.

# COMPATIBILITY

Designed for Laptop, Mini PC, and AIO systems

*(NOT compatible with Desktop PC/Computers, please refer to your system manual to confirm compatibility)*

Image 4.2: This image highlights the compatibility of A-Tech SODIMM memory with laptops, mini PCs, and AIO systems.

## 5. MAINTENANCE

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

- **Keep Clean:** Ensure the interior of your system remains free of dust, which can impede airflow and lead to overheating.
- **Avoid Physical Damage:** Handle the module only by its edges to prevent damage to the components or gold contacts.
- **Environmental Conditions:** Operate your system within recommended temperature and humidity ranges to protect all internal components, including RAM.

## 6. TROUBLESHOOTING

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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 by removing and re-inserting it firmly until the clips snap into place.
- Verify that the module is compatible with your Intel NUC7i3DNHE system. Double-check the specifications (DDR4, 2133MHz, SODIMM, 1.2V).
- If you have multiple modules, try booting with only one module at a time to identify a potentially faulty module.

- **Incorrect RAM Detection:**

- Check your system's BIOS/UEFI settings to confirm the detected RAM amount.
- Ensure your operating system is 64-bit to fully utilize 8GB or more RAM.

- **System Instability/Crashes:**

- Run a memory diagnostic tool (e.g., Windows Memory Diagnostic) to check for errors.
- Ensure your system's BIOS/UEFI is updated to the latest version, as this can improve memory compatibility.

If issues persist, contact A-Tech Technical Support for further assistance.

## 7. WARRANTY AND SUPPORT

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A-Tech memory modules come with a Lifetime Warranty, ensuring long-term reliability and peace of mind. For any technical inquiries or support needs, A-Tech offers Toll-Free Technical Support.

For more information, product registration, or to access additional resources, please visit the official A-Tech website or scan the QR code found on product packaging.

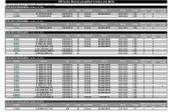
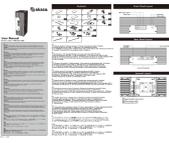


Image 7.1: A-Tech Premium Memory Logo. Click to visit A-Tech's QR code page for support.

You can also visit the A-Tech brand store for a wider range of products and information: [A-Tech Components Store](#)

### Related Documents - ATMS370340C25826X1

	<p><a href="#">Akasa A-NUC105-M1B / A-NUC63-M1B User Manual: Installation Guide</a></p> <p>User manual for Akasa A-NUC105-M1B and A-NUC63-M1B PC cases, providing detailed installation instructions, component identification, and safety guidelines for Intel NUC systems.</p>
	<p><a href="#">Avigilon NVR5 16 GB RAM Kit Installation Guide</a></p> <p>Step-by-step guide for installing the Avigilon NVR5 16 GB RAM Kit into NVR5 Standard and Premium models. Covers unboxing, preparation, installation, and verification procedures for upgrading NVR memory.</p>

	<p><a href="#">X99 Series Motherboard DDR4 Memory Qualified Vendors List (QVL)</a></p> <p>Comprehensive Qualified Vendors List (QVL) for X99 Series Motherboards, detailing compatible DDR4 U-DIMM and R-DIMM memory modules across various speeds from 2133MHz to 3333MHz. Includes specifications like part number, size, timing, voltage, and DIMM socket support, along with memory installation guidelines and module type definitions.</p>
	<p><a href="#">Akasa A-NUC101-M1B Turing RC Pro NUC Chassis User Manual</a></p> <p>User manual and installation guide for the Akasa A-NUC101-M1B Turing RC Pro compact fanless chassis. Features detailed assembly steps, component lists, and safety information for Intel NUC systems.</p>
	<p><a href="#">MSI PRO B760M-A WIFI DDR4 Motherboard User Guide</a></p> <p>Comprehensive user guide for the MSI PRO B760M-A WIFI DDR4 motherboard, covering installation, specifications, features, and troubleshooting for Intel 12th and 13th Gen Core processors.</p>
	<p><a href="#">Akasa A-NUC103-M1B User Manual: Installation Guide for ASUS NUC</a></p> <p>Comprehensive user manual and installation guide for the Akasa A-NUC103-M1B fanless case, designed for ASUS NUC 14/15 Pro, NUC 12/13 Pro, and NUC 11 Pro. Includes safety precautions, parts list, and step-by-step installation instructions.</p>