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A-Tech 16GB DDR5 4800MHz SODIMM

A-Tech 16GB DDR5 4800MHz SODIMM Memory Module User Manual

FOR HP OMEN 16 16-wf0097nr GAMING LAPTOP

Introduction

This manual provides essential information for the installation, operation, and maintenance of your A-Tech 16GB DDR5 4800MHz SODIMM memory module. Designed specifically for the HP OMEN 16 16-wf0097nr Gaming Laptop, this memory upgrade will enhance your system's performance and multitasking capabilities.



LAPTOP MEMORY

16GB Module

DDR5 4800MHz PC5-38400

Non-ECC SODIMM 1.1V



L I F E T I M E W A R R A N T Y



Image: A-Tech 16GB DDR5 4800MHz SODIMM Memory Module, showcasing the product in its protective packaging with key specifications visible.

Setup: Installation Guide

Before beginning the installation, ensure your laptop is powered off and disconnected from all power sources. It is recommended to discharge any static electricity by touching a grounded metal object before handling the memory module. Refer to your HP OMEN 16 laptop's official service manual for specific instructions on accessing the memory slots.

1. **Prepare Your Laptop:** Power down your HP OMEN 16 laptop completely. Disconnect the AC adapter and remove the battery if it is externally accessible.

2. **Access Memory Slots:** Carefully open the laptop's back panel to expose the internal components, including the memory slots. Consult your laptop's manual for precise panel removal instructions.
3. **Remove Existing Module (if applicable):** If you are replacing an existing memory module, gently push the retention clips on both sides outwards. The module will pop up at an angle. Grasp the module by its edges and pull it out.
4. **Install New Module:** Align the notch on the A-Tech DDR5 SODIMM module with the key in the memory slot. Insert the module firmly at a 45-degree angle.
5. **Secure Module:** Push the module down until the retention clips on both sides snap into place, securing the module horizontally.
6. **Reassemble Laptop:** Carefully reattach the back panel and reconnect the battery and AC adapter.
7. **Power On and Verify:** Power on your laptop. The system should automatically detect the new memory. You can verify the installed memory in your operating system's system information or BIOS/UEFI settings.



Image: Front view of the A-Tech 16GB DDR5 4800MHz SODIMM module, showing the label with specifications and the 262-pin connector.



Image: Visual emphasizing compatibility, stating the module is designed for Laptop, Mini PC, and AIO systems, and advising to check the system manual for compatibility.

Operating: Performance Enhancement

Once installed, your A-Tech DDR5 4800MHz memory module will automatically integrate with your system, providing immediate performance benefits. This upgrade is designed to:

- **Boost Performance:** Experience faster loading times for applications and games, and overall system responsiveness.
- **Improve Multitasking:** Seamlessly run multiple applications simultaneously without slowdowns or bottlenecks.
- **Increase Workload Capacity:** Handle more demanding tasks and larger datasets with greater efficiency.

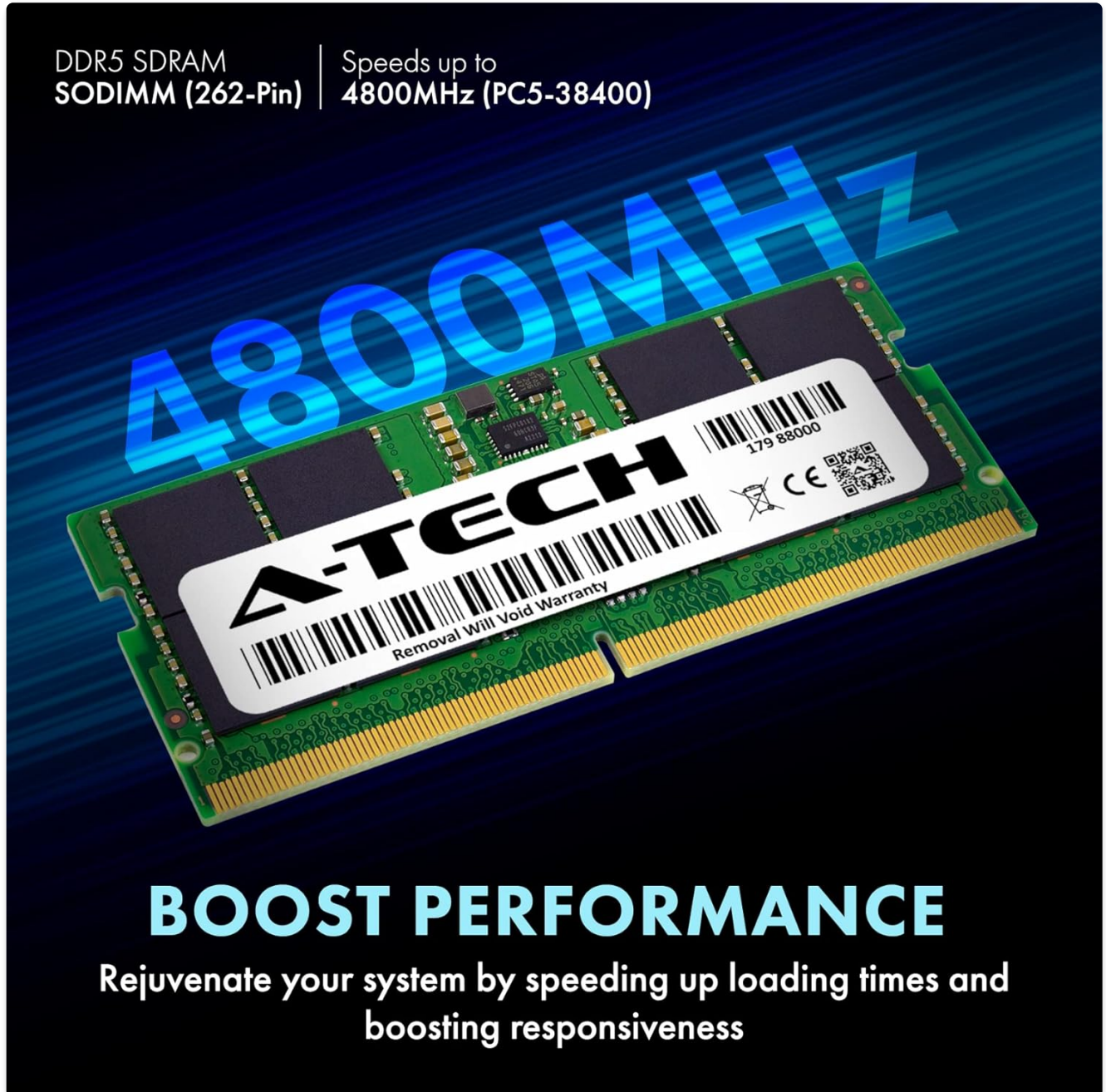


Image: A-Tech DDR5 module with a graphic highlighting its 4800MHz speed and the benefit of boosting performance.

UPGRADE PERFORMANCE

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

Image: A laptop screen displaying a rocket, symbolizing the significant performance upgrade and reduction of bottlenecks achieved with A-Tech Memory.



MULTITASK WITH EASE

Take on more at once by expanding your system's
available memory (RAM) resources

Image: A person comfortably using a laptop, illustrating the ease of multitasking with expanded system memory resources.

NEXT-GEN DDR5

Engineered for next-gen computing, DDR5 memory provides improved stability, efficiency, and bandwidth over previous generations of memory



Image: Two A-Tech DDR5 memory modules, highlighting their next-generation technology engineered for improved stability, efficiency, and bandwidth.

Maintenance

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

- **Keep System Clean:** Regularly clean your laptop's cooling vents to prevent dust buildup, which can lead to overheating and affect component performance.
- **Handle with Care:** If you ever need to remove or re-install the module, always handle it by its edges to avoid touching the gold contacts or integrated circuits.
- **Static Precautions:** Always take anti-static precautions (e.g., using an anti-static wrist strap or touching a grounded metal object) when handling memory modules to prevent damage from electrostatic discharge.

Troubleshooting

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

- **System Not Booting/No Display:**
 - Ensure the memory module is fully seated in its slot. Remove and re-insert it, making sure the retention clips snap into place.
 - Verify that the module is compatible with your laptop model (HP OMEN 16 16-wf0097nr).
 - If you have multiple modules, try installing one at a time to identify a potentially faulty module or slot.
- **Incorrect Memory Size Detected:**
 - Check your system's BIOS/UEFI settings to confirm the detected memory.
 - Ensure the operating system is 64-bit to fully utilize 16GB of RAM.

- Verify the module is correctly seated.
- **System Instability/Blue Screens:**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic) to check for errors.
 - Ensure your laptop's BIOS/UEFI firmware is up to date.
 - Confirm the module is correctly seated and not loose.

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

Specifications

Feature	Detail
RAM Capacity	16 GB
RAM Type	DDR5 SODIMM
Memory Speed	4800 MHz (PC5-38400)
Voltage	1.1V
Pin Count	262-Pin
Error Correction	Non-ECC Unbuffered
Compatible Devices	HP OMEN 16 16-wf0097nr Gaming Laptop
Item Weight	0.5 ounces
Product Dimensions (LxWxH)	2.74 x 1.18 x 0.15 inches (69.60 x 30 x 3.81 mm)

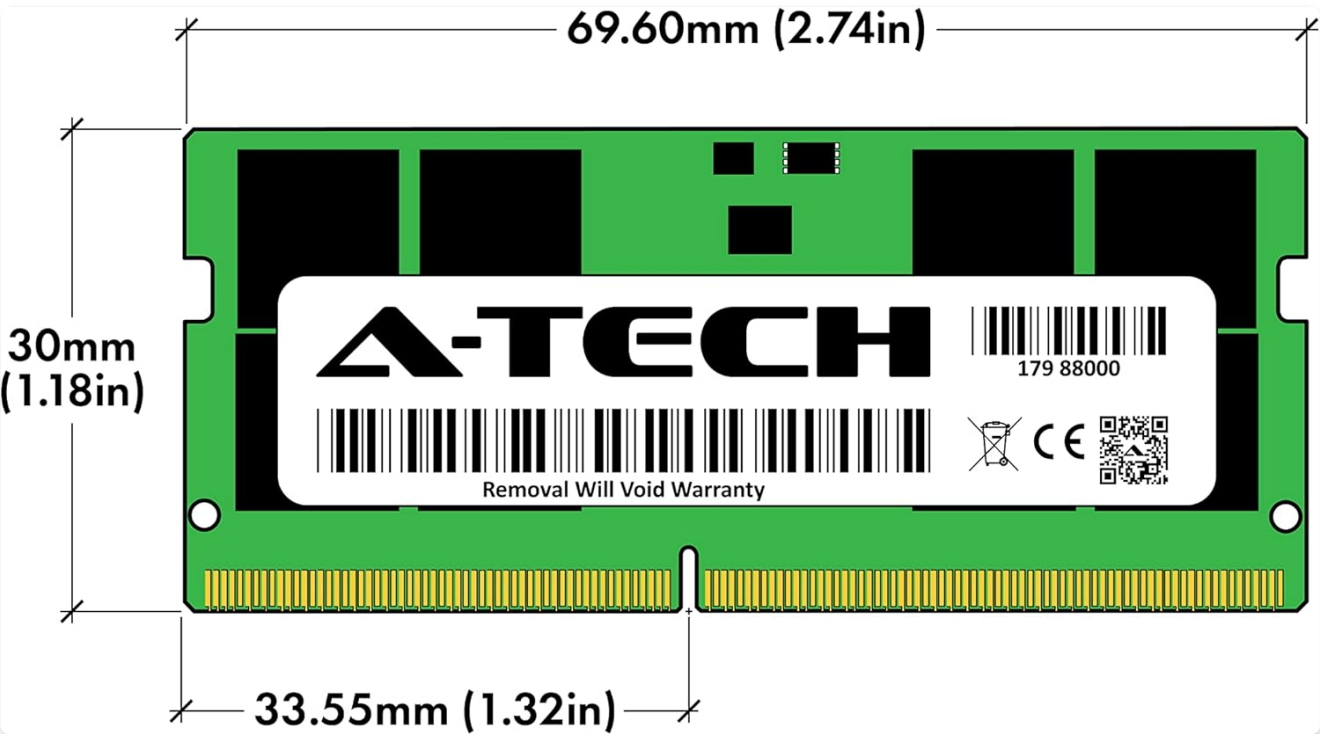


Image: Technical diagram illustrating the precise dimensions of the A-Tech DDR5 SODIMM memory module in both millimeters and inches.

Warranty and Support

A-Tech memory modules are built to the highest standards of quality and reliability. Each module undergoes stringent quality control testing to ensure dependable performance.



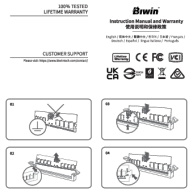
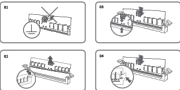


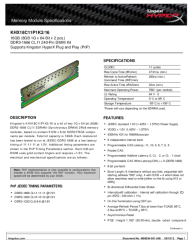



Limited Lifetime Warranty: Your A-Tech 16GB DDR5 4800MHz SODIMM memory module is backed by A-Tech's Limited Lifetime Warranty. This warranty covers defects in materials and workmanship for the lifetime of the product.

Technical Support: Our knowledgeable Tech Team is available to provide assistance before and after your purchase. For technical support, warranty claims, or any questions regarding your A-Tech product, please visit the official A-Tech website or contact their customer service directly.



Image: A person working on a laptop, accompanied by the text 'RELIABILITY', signifying that all A-Tech memory modules undergo extensive quality control testing for dependable performance.

Related Documents - 16GB DDR5 4800MHz SODIMM

 <p>Netac Basic SO DDR5 SODIMM Memory Module Specifications</p> 	<p>Netac Basic SO DDR5 SODIMM Memory Module Specifications</p> <p>Detailed specifications for Netac's Basic SO DDR5 SODIMM memory modules, including ordering information, technical descriptions, pin assignments, functional descriptions, absolute maximum ratings, operating conditions, and module dimensions.</p>
 <p>Biwin Memory Module Installation Manual and Lifetime Warranty</p> 	<p>Biwin Memory Module Installation Manual and Lifetime Warranty</p> <p>Comprehensive guide to installing Biwin memory modules, including lifetime warranty details and product certifications. Learn how to upgrade your desktop or server with Biwin RAM.</p>
 <p>Goodram RAM Memory Modules User Manual</p>	<p>Goodram RAM Memory Modules User Manual</p> <p>User manual for Goodram RAM memory modules, covering product series, installation, compatibility, capacity, safety measures, and manufacturer warranty.</p>
 <p>Avigilon NVR5 16 GB RAM Kit Installation Guide</p> <p>Installation Guide NVR5000A-0000-A For NVR5 120 8750-070 NVR5 100 8750-070</p>	<p>Avigilon NVR5 16 GB RAM Kit Installation Guide</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>Kingston HyperX KHX18C11P1K2/16 16GB DDR3 RAM Kit Specifications</p>  <p>DESCRIPTION The Kingston HyperX KHX18C11P1K2/16 16GB DDR3 RAM Kit is a high-performance memory module designed for desktop and server applications. It features a 240-pin DIMM form factor and is compatible with DDR3-1866 memory controllers. The kit includes two 8GB modules, providing a total of 16GB of memory. The HyperX logo is prominently displayed on the module's heat spreader.</p> <p>FEATURES • 16GB (2x8GB) DDR3-1866 CL11 240-Pin DIMM Kit • PnP (Plug and Play) Design • XMP (Extreme Memory Profile) Support • ECC (Error Correction Code) Support • 240-Pin DIMM Form Factor • 1.5V Operating Voltage • 11-11-11 Timing Parameters • HyperX Logo on Heat Spreader • 100% Lead-Free • RoHS Compliant</p>	<p>Kingston HyperX KHX18C11P1K2/16 16GB DDR3 RAM Kit Specifications</p> <p>Comprehensive technical specifications and features for the Kingston HyperX KHX18C11P1K2/16 16GB (2x8GB) DDR3-1866 CL11 240-Pin DIMM Kit, including PnP timing parameters, electrical specifications, and physical dimensions.</p>
 <p>Memory Configurator Lenovo ThinkStation P3 Tower Gen 2, P3 Tiny Gen 2, P3 Ultra SFF Gen 2</p> 	<p>Lenovo ThinkStation P3 Gen 2 Memory Configurator Guide</p> <p>A comprehensive guide to configuring memory for Lenovo ThinkStation P3 Tower Gen 2, P3 Tiny Gen 2, and P3 Ultra SFF Gen 2 workstations. Learn about architectural designs, memory configurations, and platform-specific limitations for optimal performance.</p>