A-Tech 8GB DDR5-5200 (PC5-41600)

A-Tech 8GB DDR5-5200 RAM Module for HP Elite 805 G9 SFF Desktop PC Instruction Manual

Model: 8GB DDR5-5200 (PC5-41600)

1. INTRODUCTION

This manual provides essential information for the installation and use of your A-Tech 8GB DDR5-5200 PC5-41600 DIMM RAM module. This memory module is designed to enhance the performance of compatible desktop computer systems, specifically the HP Elite 805 G9 SFF Desktop PC.
The A-Tech 8GB DDR5-5200 RAM module is a Non-ECC Unbuffered DIMM (UDIMM) operating at 1.1V, featuring 288 pins and a speed of 5200MHz (PC5-41600).

2. PRODUCT OVERVIEW

The A-Tech 8GB DDR5-5200 RAM module is engineered to improve system speed and reduce bottlenecks by increasing available memory resources. It adheres to the JEDEC DDR5 standard for optimal compatibility and performance.

Image 1: A-Tech 8GB DDR5-5200 RAM Module in its retail packaging. The module is green with black chips and a white label indicating specifications.
For more information, visit: atechmemory.com/pages/qr

Image 2: A close-up view of the A-Tech 8GB DDR5-5200 RAM module, showing the green PCB, memory chips, and the product label with specifications and a barcode.
Further details can be found at: atechmemory.com

3. COMPATIBILITY

This A-Tech 8GB DDR5-5200 RAM module is specifically compatible with the **HP Elite 805 G9 SFF Desktop PC**.
It is important to verify your system's compatibility before installation. This module is designed for desktop computers and is **not compatible with laptop computers**.

Image 3: Graphic illustrating compatibility with desktop computers, emphasizing that the module is not for laptops.

4. INSTALLATION (SETUP)

Installing the A-Tech RAM module is a straightforward process. However, it is crucial to follow proper procedures to prevent damage to your system or the memory module.

4.1 Safety Precautions

- Always power off your computer and disconnect it from the power source before opening the case.
- Discharge any static electricity from your body by touching a grounded metal object (e.g., the unpainted metal chassis of your computer) before handling components. Consider using an anti-static wrist strap.
- Handle the memory module by its edges, avoiding contact with the gold connectors or the chips.

4.2 Installation Steps

1. **Prepare Your System:** Power down your HP Elite 805 G9 SFF Desktop PC completely and unplug the power cord.
2. **Open the Case:** Refer to your HP Elite 805 G9 SFF Desktop PC's official manual for instructions on how

to safely open its chassis.

3. **Locate Memory Slots:** Identify the DIMM slots on your motherboard. Your system manual will indicate the correct slots for memory upgrades and channel guidelines.

4. **Install the Module:** Align the notch on the A-Tech DDR5 DIMM with the key in the memory slot. Apply even pressure to both ends of the module until it clicks into place and the retaining clips on the sides snap shut.

5. **Secure and Close:** Ensure the module is firmly seated. Close your computer case and reconnect the power cord.

6. **Power On:** Turn on your computer. The system should automatically detect the new memory.

If your system does not boot or recognize the new memory, refer to the Troubleshooting section of this manual or your computer's official documentation.

5. OPERATION

Once installed, the A-Tech 8GB DDR5-5200 RAM module operates automatically. It functions as an integral part of your computer's memory system, providing faster data access and improved multitasking capabilities. The primary benefit of this memory upgrade is to improve overall system responsiveness, accelerate application loading times, and enhance the ability to run multiple programs simultaneously without performance degradation.

Image 4: A graphic highlighting the performance benefits of the RAM module, such as speeding up loading times and boosting responsiveness.

6. MAINTENANCE

A-Tech DDR5 RAM modules are designed for long-term reliability and typically require no maintenance after installation.

- **Handling:** If you need to remove or re-install the module, always follow the safety precautions outlined in the Installation section.
- **Cleaning:** Do not attempt to clean the memory module with liquids or abrasive materials. If dust accumulates, use compressed air to gently remove it.
- **Environment:** Ensure your computer operates in a well-ventilated environment to prevent excessive heat buildup, which can affect all internal components, including RAM.

7. TROUBLESHOOTING

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

- **System Not Booting / No Display:**

- Ensure the RAM module is fully seated in its slot. Remove and re-install it, ensuring the retaining clips snap into place.
- Verify that the module is installed in the correct DIMM slot as per your HP Elite 805 G9 SFF Desktop PC's manual.
- If you have multiple modules, try installing only the new A-Tech module to isolate the issue.

- **Incorrect Memory Recognition:**
  - Check your system's BIOS/UEFI settings to confirm the recognized memory amount.
  - Ensure your motherboard's BIOS/UEFI is updated to the latest version, as this can improve memory compatibility.

- **System Instability / Blue Screens:**
  - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic) to check for errors.
  - Confirm that the module is compatible with your specific HP Elite 805 G9 SFF Desktop PC model.

If problems persist, contact A-Tech support for further assistance.

8. SPECIFICATIONS

A-Tech 8GB DDR5-5200 RAM Module Specifications

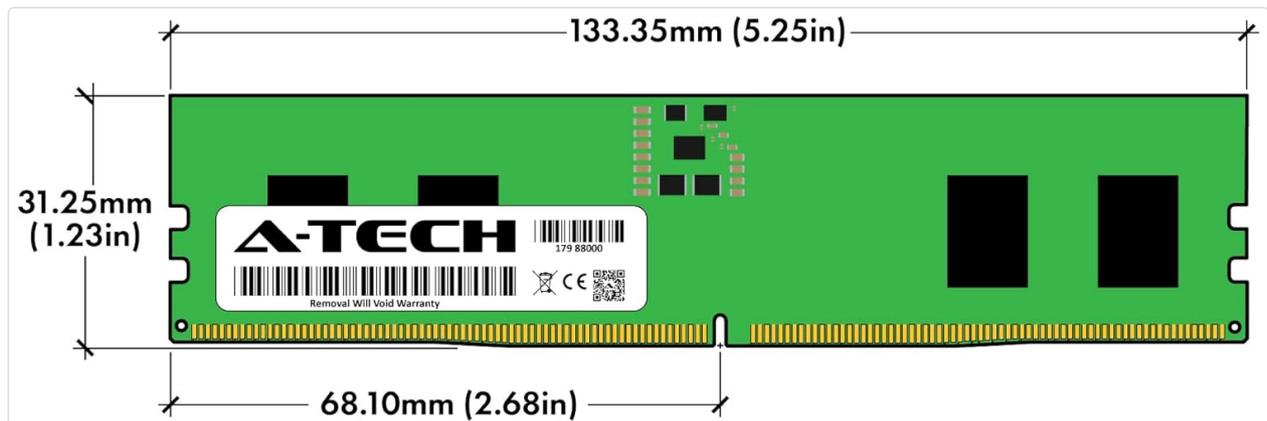| Feature	Detail
Memory Size	8 GB
Memory Technology	DDR5
Memory Speed	5200 MHz (PC5-41600)
Module Type	DIMM (288-Pin)
Error Correction	Non-ECC Unbuffered (UDIMM)
Voltage	1.1 Volts
Compatibility	HP Elite 805 G9 SFF Desktop PC
Product Dimensions (LxWxH)	5.25 x 1.23 x 0.15 inches (133.35 x 31.25 x 3.81 mm)
Item Weight	0.8 ounces
Manufacturer Part Number	AT13409169 (Reference from image)

9. WARRANTY AND SUPPORT

All A-Tech memory modules are covered by a **Limited Lifetime Warranty**. This warranty ensures dependable and reliable performance of your product.

A-Tech provides dedicated customer support to assist with any questions or issues you may encounter. Their support team is available to guide you through installation or troubleshooting steps.

DEDICATED SUPPORT

Designed with the highest standards for reliability and quality, A-Tech RAM is built to last. With Lifetime support from our expert team, enjoy the peace of mind knowing that we stand by our product every step of the way!
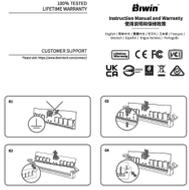
Image 6: Graphic representing A-Tech's dedicated support, showing a headset on a laptop, symbolizing customer assistance.

For warranty claims or technical assistance, please visit the official A-Tech website or contact their customer service directly. Refer to the links provided in the Product Overview section for their website.

Related Documents - 8GB DDR5-5200 (PC5-41600)

[Kingston FURY KF580C38RWA-24 DDR5-8000 CL38 24GB Memory Module Specifications](#)

Detailed specifications for the Kingston FURY KF580C38RWA-24 24GB DDR5-8000 CL38 288-Pin DIMM memory module, including features, timing parameters, and physical dimensions.

[Biwin Memory Module Installation Manual and Lifetime Warranty](#)

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.

[Netac Basic SO DDR5 SODIMM Memory Module Specifications](#)

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.

[How to Install Crucial DDR5 Pro Overclocking Memory - Step-by-Step Guide](#)

Learn how to easily install your Crucial DDR5 Pro Overclocking Memory with this comprehensive, step-by-step guide. Includes pre-installation warnings, installation steps, and troubleshooting tips for optimal performance.

[Lenovo ThinkStation P3 Gen 2 Memory Configurator Guide](#)

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.

[KLLISRE Server DDR4 Memory User Manual and Installation Guide](#)

Comprehensive user manual and installation guide for KLLISRE Server DDR4 Memory modules, detailing product overview, specifications, compatibility, installation steps, troubleshooting, and warranty information.