

Noctua NM-AM5/4-MP83

Noctua NM-AM5/4-MP83 SecuFirm2 Mounting-Kit Installation Manual

For AMD AM5 & AM4 Sockets

1. INTRODUCTION

The Noctua NM-AM5/4-MP83 SecuFirm2 Mounting-Kit is designed to enable the installation of compatible Noctua CPU coolers on AMD's AM5 and AM4 platforms. This kit ensures continued use of your existing Noctua heatsink with the latest AMD Ryzen processors, providing optimal contact pressure and straightforward installation.

2. PACKAGE CONTENTS

Verify that all components are present in your NM-AM5/4-MP83 kit:

- 2x NM-AMB4 Mounting Bars
- 4x NM-APS4 Spacers
- 4x NM-ALS4 Screws



Image: Contents of the Noctua NM-AM5/4-MP83 SecuFirm2 Mounting-Kit, including two mounting bars, four spacers, and four screws.

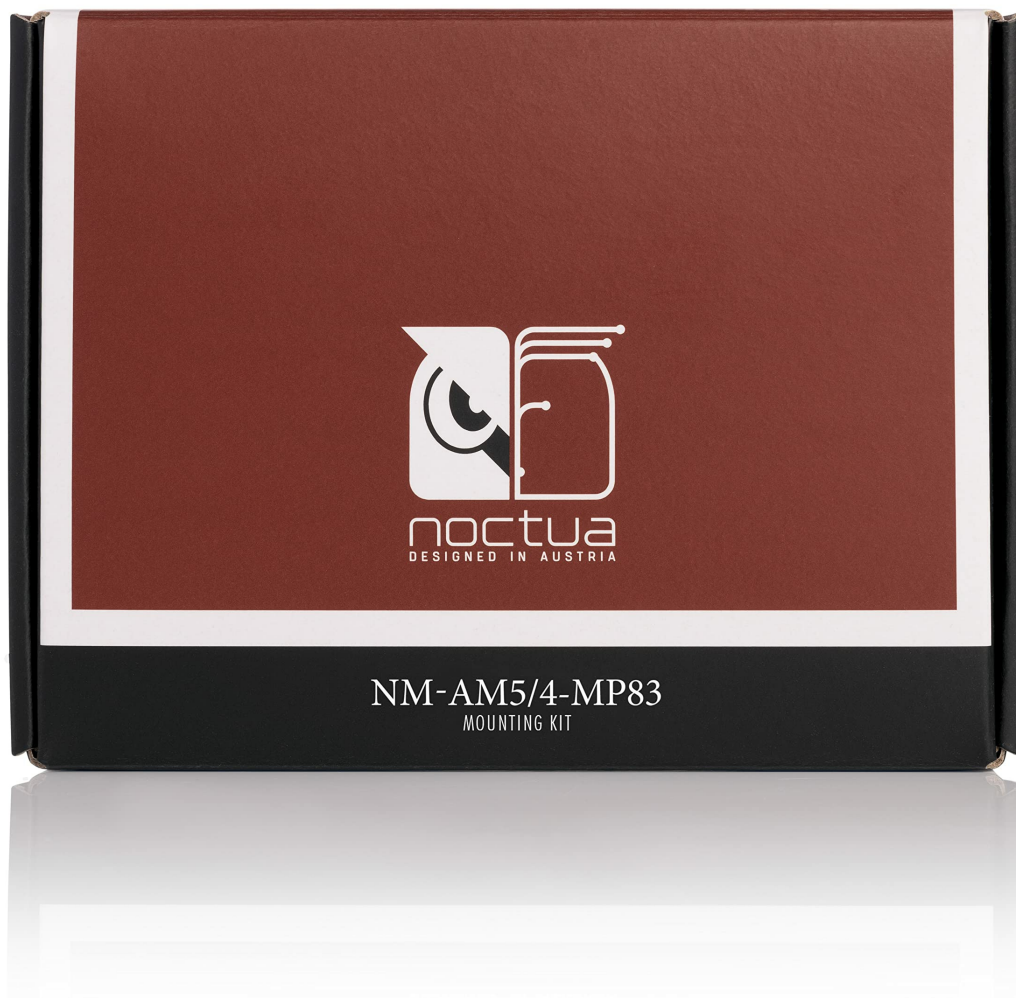


Image: The retail packaging for the Noctua NM-AM5/4-MP83 SecuFirm2 Mounting-Kit.

3. COMPATIBILITY

This mounting kit is compatible with Noctua CPU coolers featuring an 83mm mounting pitch. It is specifically designed for AMD AM5 and AM4 sockets, supporting Ryzen 5, Ryzen 7, and Ryzen 9 processors. For detailed compatibility information regarding specific Noctua cooler models, please refer to the official Noctua website.

4. INSTALLATION INSTRUCTIONS

Follow these steps carefully to install your Noctua CPU cooler using the NM-AM5/4-MP83 mounting kit. Ensure your system is powered off and disconnected from the mains before proceeding.

Step 4.1: Prepare the Motherboard

Remove any existing CPU cooler mounting hardware. The NM-AM5/4-MP83 kit utilizes the motherboard's stock AMD backplate. Ensure this backplate is securely in place behind the CPU socket area.

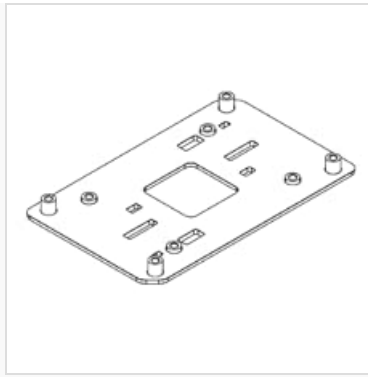


Image: Diagram illustrating the motherboard with the stock AMD backplate in position, ready for mounting hardware installation.

Step 4.2: Install Spacers and Mounting Bars

Place the four NM-APS4 spacers over the screw threads of the stock backplate. Then, position the two NM-AMB4 mounting bars on top of the spacers, aligning the holes. Secure the mounting bars using the four NM-ALS4 screws, tightening them evenly until snug.

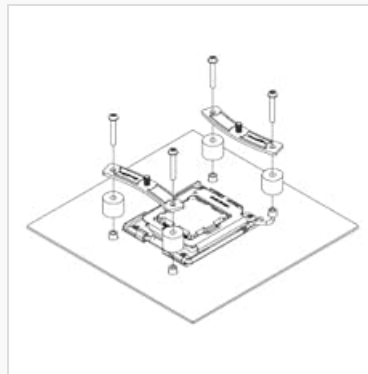


Image: Diagram showing the placement of the four spacers onto the motherboard's backplate screws, followed by the installation of the two mounting bars.

Step 4.3: Apply Thermal Paste

Apply a small amount of thermal paste (not included with this kit) to the center of the CPU's integrated heat spreader (IHS). A pea-sized drop is typically sufficient. Refer to your thermal paste manufacturer's instructions for specific application methods.

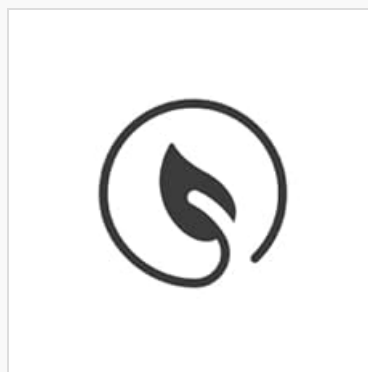


Image: A visual representation of thermal paste being applied to the center of a CPU for optimal heat transfer.

Step 4.4: Mount the CPU Cooler

Carefully place your compatible Noctua CPU cooler onto the CPU, aligning its mounting holes with the threaded posts on the newly installed mounting bars. Secure the cooler by tightening the cooler's retention screws evenly, alternating between screws to ensure balanced pressure. Do not overtighten.

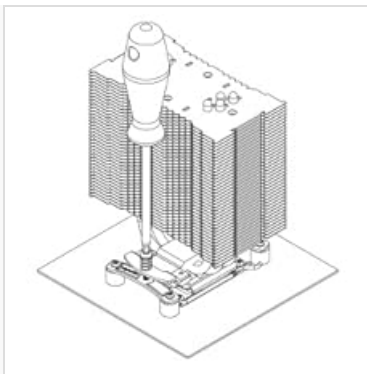


Image: Diagram depicting a CPU cooler being lowered onto the CPU and secured to the mounting bars with screws.

5. MAINTENANCE

The NM-AM5/4-MP83 mounting kit itself requires no specific maintenance. Ensure that the CPU cooler is securely mounted and that thermal paste is applied correctly to maintain optimal thermal performance. Periodically check the cooler's mounting screws for tightness, especially after transporting the system.

6. TROUBLESHOOTING

- **Cooler not fitting:** Double-check that your Noctua CPU cooler has an 83mm mounting pitch and is listed as compatible with AM5/AM4 sockets. Ensure the mounting bars are oriented correctly.
- **High CPU temperatures:** Verify that thermal paste was applied correctly and that the CPU cooler is making firm, even contact with the CPU's IHS. Ensure all cooler retention screws are tightened appropriately.
- **Loose mounting:** Ensure all screws are tightened evenly. Avoid overtightening, which can damage components.

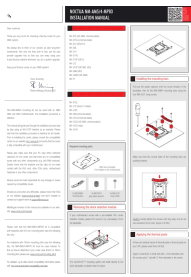




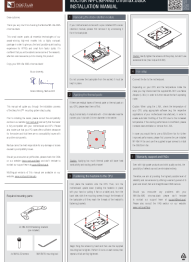
7. SPECIFICATIONS

Model Number	NM-AM5/4-MP83
Product Dimensions	6.02 x 4.33 x 1.18 inches
Item Weight	1.62 ounces
Material	Metal
Compatible Sockets	AMD AM5, AM4

8. WARRANTY AND SUPPORT

Noctua products are known for their reliability and quality. For any questions regarding installation, compatibility, or product support, please visit the official Noctua website or contact Noctua customer service directly. Keep your proof of purchase for any warranty claims.

Related Documents - NM-AM5/4-MP83

	<p>Noctua NM-AM5/4-MP83 Mounting Kit Installation Manual for AMD AM5/AM4</p> <p>Detailed installation guide for the Noctua NM-AM5/4-MP83 mounting kit, enabling compatibility with AMD AM5 and AM4 motherboards. Includes step-by-step instructions, compatibility lists, and support information.</p>
	<p>Noctua NM-M1-MP83 Multi-Socket Mounting Kit Installation Guide</p> <p>Comprehensive installation guide for the Noctua NM-M1-MP83 SecuFirm2+ mounting kit, designed for Intel LGA1851, LGA1700, LGA1200, LGA115x sockets and AMD AM5, AM4 sockets. This manual provides detailed, step-by-step instructions, lists required components, and offers compatibility information for upgrading Noctua CPU coolers.</p>
	<p>Noctua NM-AM5-L9aL9i Mounting Kit Installation Guide</p> <p>Detailed installation instructions for the Noctua NM-AM5-L9aL9i mounting kit, enabling the installation of Noctua NH-L9 CPU coolers on AMD AM5 motherboards. Includes compatibility checks and support information.</p>
	<p>Noctua NH-D15 G2 Installation Manual: Step-by-Step Guide</p> <p>Comprehensive installation guide for the Noctua NH-D15 G2 CPU cooler, covering Intel and AMD platforms, including NM-ISW1 shim washer installation for LGA1700. Features detailed steps, parts lists, and important notes for a successful installation.</p>
	<p>Noctua NH-L12S CPU Cooler Installation Manual - Step-by-Step Guide</p> <p>Comprehensive installation manual for the Noctua NH-L12S low-profile CPU cooler, covering Intel LGA1851/1700/1200/115x and AMD AM5/AM4 socket compatibility. Includes detailed steps, part lists, and support information.</p>
	<p>Noctua NH-L9a-AM5 chromax.black CPU Cooler Installation Manual</p> <p>Step-by-step guide for installing the Noctua NH-L9a-AM5 chromax.black CPU cooler, covering stock retention module removal, thermal paste application, heatsink fastening, and fan setup. Includes warranty and support information.</p>