ID-COOLING SE-224-XT RGB

ID-COOLING SE-224-XT RGB CPU Cooler

Instruction Manual

1. Introduction

The ID-COOLING SE-224-XT RGB is a high-performance CPU air cooler designed to provide efficient heat dissipation for a wide range of Intel and AMD processors. Featuring four direct-contact heat pipes, a 120mm PWM fan with RGB lighting, and a robust heatsink design, this cooler offers an optimal balance of cooling capability, low noise operation, and aesthetic appeal.

The ID-COOLING SE-224-XT RGB CPU Cooler, showcasing its black heatsink, RGB fan, and overall compact design.

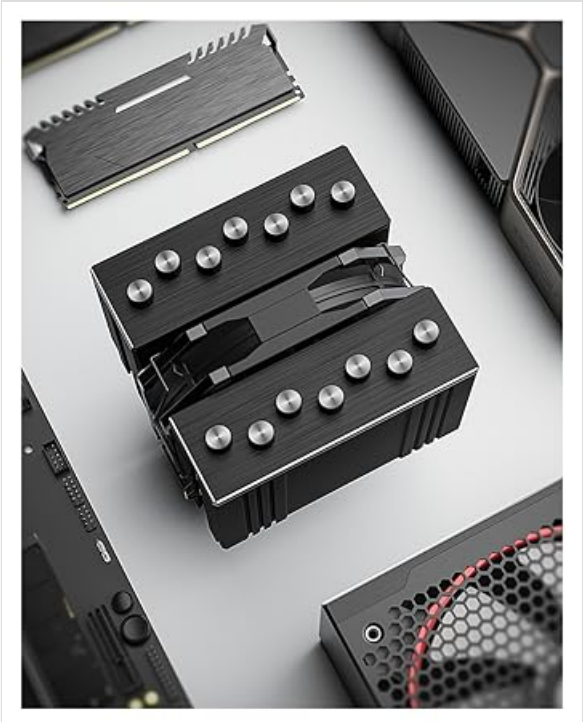
2. Safety Precautions

- Always disconnect power from your computer before installation or maintenance.
- Handle components with care to avoid damage to the CPU, motherboard, or cooler.
- Wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to sensitive electronic components.
- Keep out of reach of children.
- Do not attempt to modify the cooler or its components.

3. Package Contents

Verify that all components are present in the package before beginning installation:

- ID-COOLING SE-224-XT RGB Heatsink
- 120mm PWM RGB Fan
- Universal Mounting Brackets (for Intel and AMD sockets)
- Backplate
- Mounting Screws and Spacers
- Thermal Paste
- Fan Clips
- RGB Splitter Cable (if included)



Components of the ID-COOLING SE-224-XT RGB CPU Cooler's mounting kit, including brackets, screws, and backplate, essential for secure installation on various CPU sockets.

4. Installation Guide

4.1. Preparation

1. Power off your computer and unplug the power cord.

2. Open your computer case and locate the CPU socket.
3. Remove any existing CPU cooler. Clean the CPU surface thoroughly to remove old thermal paste using isopropyl alcohol.
4. Identify the correct mounting hardware for your CPU socket (Intel LGA115X/1200/1700/2011/2066 or AMD AM4/AM5).

4.2. Mounting the Heatsink

1. Attach the appropriate mounting brackets to the heatsink base using the provided screws.
2. For AMD AM4/AM5, remove the plastic retention clips from the motherboard, but keep the original backplate. For Intel, install the universal backplate behind the motherboard, aligning the holes.
3. Apply a small pea-sized amount of thermal paste to the center of the CPU's integrated heat spreader (IHS).
4. Carefully place the heatsink onto the CPU, aligning the mounting holes with the standoffs or backplate. For AM4, it is recommended to screw in the top hole first loosely, then the bottom, before tightening both.
5. Secure the heatsink by tightening the spring-loaded screws in a diagonal pattern until snug. Do not overtighten.

Close-up view of the cooler's base, highlighting the four direct-contact copper heat pipes designed for efficient heat transfer from the CPU.

4.3. Installing the Fan

1. Attach the 120mm PWM RGB fan to the heatsink using the provided fan clips. Ensure the fan is oriented to blow air through the heatsink towards the rear exhaust of your case.
2. The fan features de-vibration rubber pads on its corners to reduce noise.

Close-up of the fan's corner, illustrating the de-vibration rubber pads integrated into the fan frame to minimize operational noise.

4.4. Connecting Cables

1. Connect the 4-pin PWM fan cable to the CPU_FAN header on your motherboard.
2. Connect the 4-pin 12V RGB cable to a compatible 12V RGB header on your motherboard. If your motherboard has multiple RGB headers, use the provided splitter cable if necessary.

The ID-COOLING SE-224-XT RGB CPU Cooler installed inside a PC case, with its RGB lighting illuminated, demonstrating its aesthetic integration.

5. Operation

5.1. Fan Control (PWM)

The 120mm fan supports Pulse Width Modulation (PWM), allowing your motherboard to dynamically control the fan speed based on CPU temperature. This ensures optimal cooling performance while minimizing noise during low-load operations. Fan speeds can range from 700 to 1800 RPM.

Image of the 120mm PWM fan, emphasizing its ability to adjust speeds between 700-1800 RPM for optimal balance between cooling performance and noise levels.

5.2. RGB Lighting

The integrated RGB lighting on the fan and heatsink can be controlled via your motherboard's RGB software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, GIGABYTE RGB Fusion, ASRock Polychrome Sync). Ensure your motherboard has a 12V 4-pin RGB header for compatibility.

6. Maintenance

- **Dust Removal:** Periodically clean the heatsink fins and fan blades to prevent dust buildup, which can impede airflow and cooling performance. Use compressed air or a soft brush.
- **Thermal Paste:** The thermal paste typically lasts for several years. If you notice a significant increase in CPU temperatures, consider reapplying fresh thermal paste after cleaning the CPU and cooler base.
- **Fan Inspection:** Check the fan for any unusual noises or wobbling. Ensure the fan cables are securely connected.

7. Troubleshooting

- **High CPU Temperatures:**
  - Ensure the cooler is properly seated and tightened.
  - Verify that thermal paste was applied correctly and evenly.
  - Check for dust buildup on the heatsink fins and fan.
  - Confirm the fan is spinning and connected to the CPU_FAN header.
- **Fan Not Spinning:**
  - Check the 4-pin PWM cable connection to the motherboard's CPU_FAN header.
  - Ensure the fan is not obstructed.
  - Check BIOS settings for fan control.
- **RGB Lighting Not Working:**
  - Verify the 4-pin 12V RGB cable is correctly connected to a compatible 12V RGB header on the motherboard.
  - Ensure your motherboard's RGB software is installed and configured correctly.
  - Check for any loose connections or damaged pins on the RGB cable or header.

8. Technical Specifications

Feature	Specification
Model Number	SE-224-XT RGB
Cooling Method	Air
Fan Dimensions	120mm
Fan Speed	700-1800 RPM (PWM)

Feature	Specification
Air Flow Capacity	56.5 CFM (Cubic Feet Per Minute)
Noise Level	31.5 dB (Maximum)
Power Connector Type	4-Pin (PWM)
RGB Connector Type	4-Pin (12V RGB)
Voltage	12 Volts
Compatible Devices	Desktop CPUs (Intel/AMD)
Material	Polycarbonate (Fan), Aluminum (Heatsink Fins), Copper (Heatpipes)
Package Dimensions	7.2 x 6.2 x 4.6 inches
Weight	2.45 Pounds

Diagram showing the CPU cooler's design ensures non-interference with RAM modules, even on Mini-ITX motherboards with tall memory sticks.

9. Warranty and Support

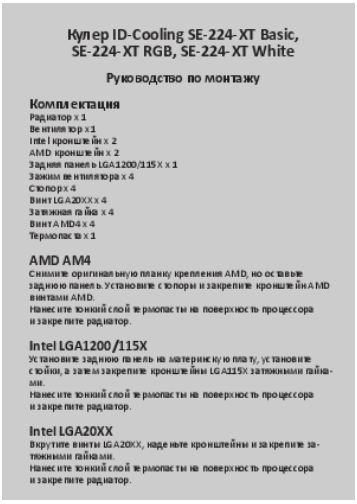
For warranty information and technical support, please refer to the official ID-COOLING website or contact their customer service directly. Keep your proof of purchase for warranty claims.
Official Website: www.idcooling.com

Related Documents

	ID-COOLING IS-XT-A1-X3A4D06-V2 CPU Cooler Installation Guide Comprehensive installation guide for the ID-COOLING IS-XT-A1-X3A4D06-V2 CPU cooler, covering component lists, socket compatibility for Intel LGA1700, LGA1200/115X, and AMD AM4/AM5, step-by-step assembly instructions, and fan connection. Includes support contact information.
	ID-COOLING IS-XT Installation Guide This document provides a comprehensive installation guide for the ID-COOLING IS-XT CPU cooler, covering compatibility with Intel and AMD sockets, fan mounting, and cable connections.
	ID-COOLING SE-214-XT / SE-903-XT Series CPU Cooler Installation Guide A comprehensive installation guide for ID-COOLING SE-214-XT and SE-903-XT series CPU coolers, detailing component lists, installation procedures for Intel LGA1700/1200/115X and AMD AM5/AM4 sockets, and ARGB synchronization.

	[ID-COOLING XTS-V1 Installation Guide] This guide provides step-by-step instructions for installing the ID-COOLING XTS-V1 CPU cooler, covering Intel and AMD platforms.

Documents - ID-COOLING – SE-224-XT RGB



Кулер ID-Cooling SE-224-XT Basic, SE-224-XT RGB, SE-224-XT White

Руководство по монтажу

Комплектация

Радиатор x 1
Вентилятор x 1
Intel кронштейн x 2
AMD кронштейн x 2
Задняя панель LGA1200/115X x 1
Зажим вентилятора x 4
Стопор x 4
Винт LGA20XX x 4
Затяжная гайка x 4
Винт AMD4 x 4
Термопаста x 1

AMD AM4

Снимите оригинальную планку крепления AMD, но оставьте заднюю панель. Установите стопоры и закрепите кронштейн AMD винтами AMD.
Нанесите тонкий слой термопасты на поверхность процессора и закрепите радиатор.

Intel LGA1200/115X

Установите заднюю панель на материнскую плату, установите стойки, а затем закрепите кронштейны LGA115X затяжными гайками.
Нанесите тонкий слой термопасты на поверхность процессора и закрепите радиатор.

Intel LGA20XX

Вкрутите винты LGA20XX, наденьте кронштейны и закрепите затяжными гайками.
Нанесите тонкий слой термопасты на поверхность процессора и закрепите радиатор.

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Инструкция ID COOLING SE 224 XT BasicРусский Қазақ105 5 Кб и руководство пользования для Кулер процессора Basic LGA1700 скачать читать в интернет магазине DNS kuler dla processora id cooling se xt basic lga1700 instrukcia drv dns shop ru Manuals K |||

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