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> ID-COOLING SE-214-XT CPU Cooler Instruction Manual

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Model: SE-214-XT | Brand: ID-COOLING

1. PRODUCT OVERVIEW

The ID-COOLING SE-214-XT is an all-black CPU air cooler designed for efficient heat dissipation. It features a single tower design with four direct-contact heat pipes and a 120mm PWM fan. This cooler is compatible with a wide range of Intel and AMD sockets, offering a thermal design power (TDP) of 180W. Its compact 150mm height ensures broad chassis compatibility, and its design avoids interference with RAM and PCIe slots.



Figure 1: ID-COOLING SE-214-XT Black CPU Cooler

Key Features

- **Efficient Heat Dissipation:** Single tower with 4 direct-contact heat pipes and a 120mm PWM fan.
- **Compact Design:** 150mm total height for wide chassis compatibility.
- **RAM Compatibility:** Non-interference with memory mounting and PCIe slots.
- **PWM Fan:** 120mm fan with automatic speed control for low noise (15.2~35.2dB(A) Max.) and high airflow (76.16CFM Max.).
- **Broad Socket Support:** Compatible with Intel LGA1700/1851/1200/1150/1151/1155/1156 and AMD AM4/AM5 sockets.
- **Aesthetic Appeal:** All-black layout for seamless integration into various PC builds.

Product Overview Video

Video 1: SE-214-XT BLACK Overview by ID-COOLING. This video provides a brief visual overview of the CPU cooler's design and features.

2. PACKAGE CONTENTS

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

- Heatsink tower
- 120mm PWM Cooling Fan
- Mounting hardware for Intel (backplate, brackets, standoffs, screws)
- Mounting hardware for AMD (brackets, standoffs, screws)
- Thermal paste sachet
- Fan clips

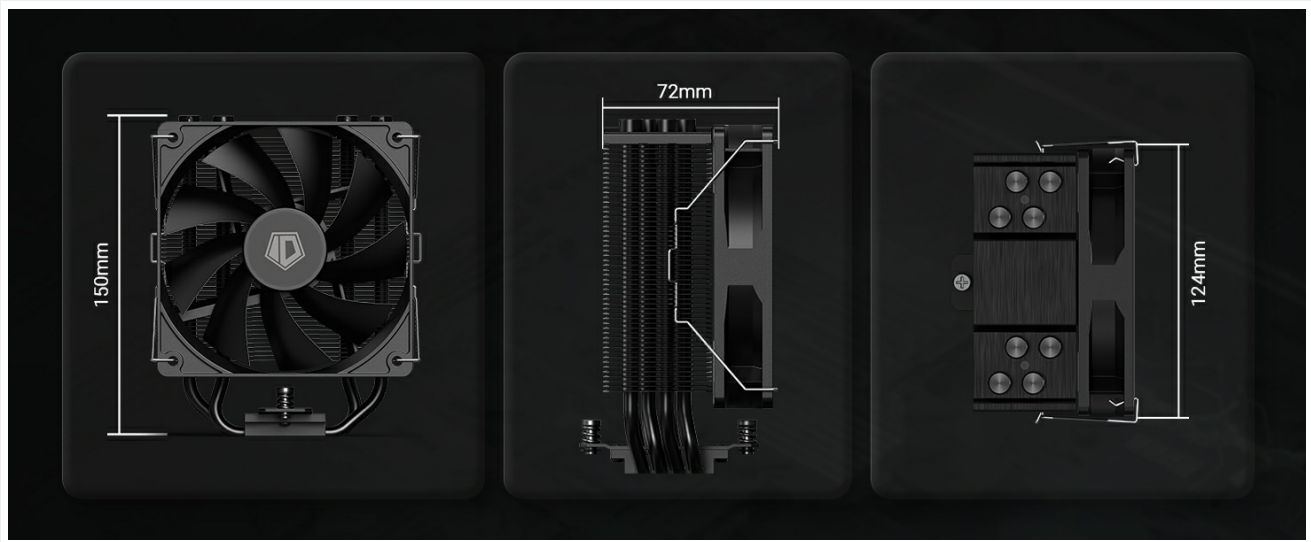


Figure 2: Included components: heatsink, cooling fan, and various mounting hardware for different CPU sockets.

3. TECHNICAL SPECIFICATIONS

| Feature | Specification |
|--------------------------------|---------------------------------------------|
| Product Dimensions (L x W x H) | 4.88" x 2.83" x 5.9" (124mm x 72mm x 150mm) |
| Cooling Method | Air Cooling |
| Heat Pipes | 4 Direct-Contact Φ 6mm |
| Fan Size | 120mm PWM |
| Fan Speed | 700-1800 \pm 10% RPM |
| Max. Air Flow | 76.16 CFM |
| Noise Level | 15.2~35.2 dB(A) Max. |
| Power Connector Type | 4-Pin |
| Voltage | 12 Volts (DC) |
| Wattage (TDP) | 180 Watts |
| Material | Aluminum heatsink, Copper heat pipes |

| Feature | Specification |
|--------------------|----------------------------------------------------------|
| Item Weight | 500 Grams |
| Compatible Sockets | Intel LGA1700/1851/1200/1150/1151/1155/1156, AMD AM4/AM5 |



Figure 3: Detailed dimensions of the SE-214-XT CPU cooler.

4. INSTALLATION GUIDE

This section provides step-by-step instructions for installing your ID-COOLING SE-214-XT CPU cooler. Please refer to the official installation video for a visual guide.

Official Installation Video

Video 2: Installation Guide for SE-214-XT BLACK by ID-COOLING. This video demonstrates the complete installation process for both Intel and AMD platforms.

Intel LGA1700/1851/1200/115X Installation

- 1. Prepare Backplate:** Adjust the Intel backplate screws to the corresponding positions for your socket (LGA1851/1700: pull outward; LGA1200/115X: pull inward). Remove the adhesive backing and install it on the back of the motherboard.
- 2. Install Standoffs and Brackets:** Place the correct standoffs (LGA1851/1700 or LGA1200/115X) onto the motherboard. Position the universal bracket over the standoffs and secure them with screws.
- 3. Apply Thermal Grease:** Clean the CPU surface thoroughly. Apply a thin, even layer of thermal grease to the CPU. Peel off the protective sticker from the copper plate of the heatsink.
- 4. Mount Heatsink:** Carefully place the heatsink onto the CPU. Secure it by tightening the two screws on each side evenly until snug.
- 5. Attach Fan:** Use the provided fan clips to secure the 120mm PWM fan to the heatsink tower. Connect the 4-pin fan connector to the 'CPU_FAN' header on your motherboard.

AMD AM4/AM5 Installation

- 1. Prepare Motherboard:** Remove the original AMD plastic retention frame from the motherboard, but keep the stock backplate.
- 2. Install Standoffs and Brackets:** Install the red AMD standoffs onto the stock backplate's mounting points.

Position the universal bracket over the standoffs and secure them with screws.

3. **Apply Thermal Grease:** Clean the CPU surface thoroughly. Apply a thin, even layer of thermal grease to the CPU. Peel off the protective sticker from the copper plate of the heatsink.
4. **Mount Heatsink:** Carefully place the heatsink onto the CPU. Secure it by tightening the two screws on each side evenly until snug.
5. **Attach Fan:** Use the provided fan clips to secure the 120mm PWM fan to the heatsink tower. Connect the 4-pin fan connector to the 'CPU_FAN' header on your motherboard.

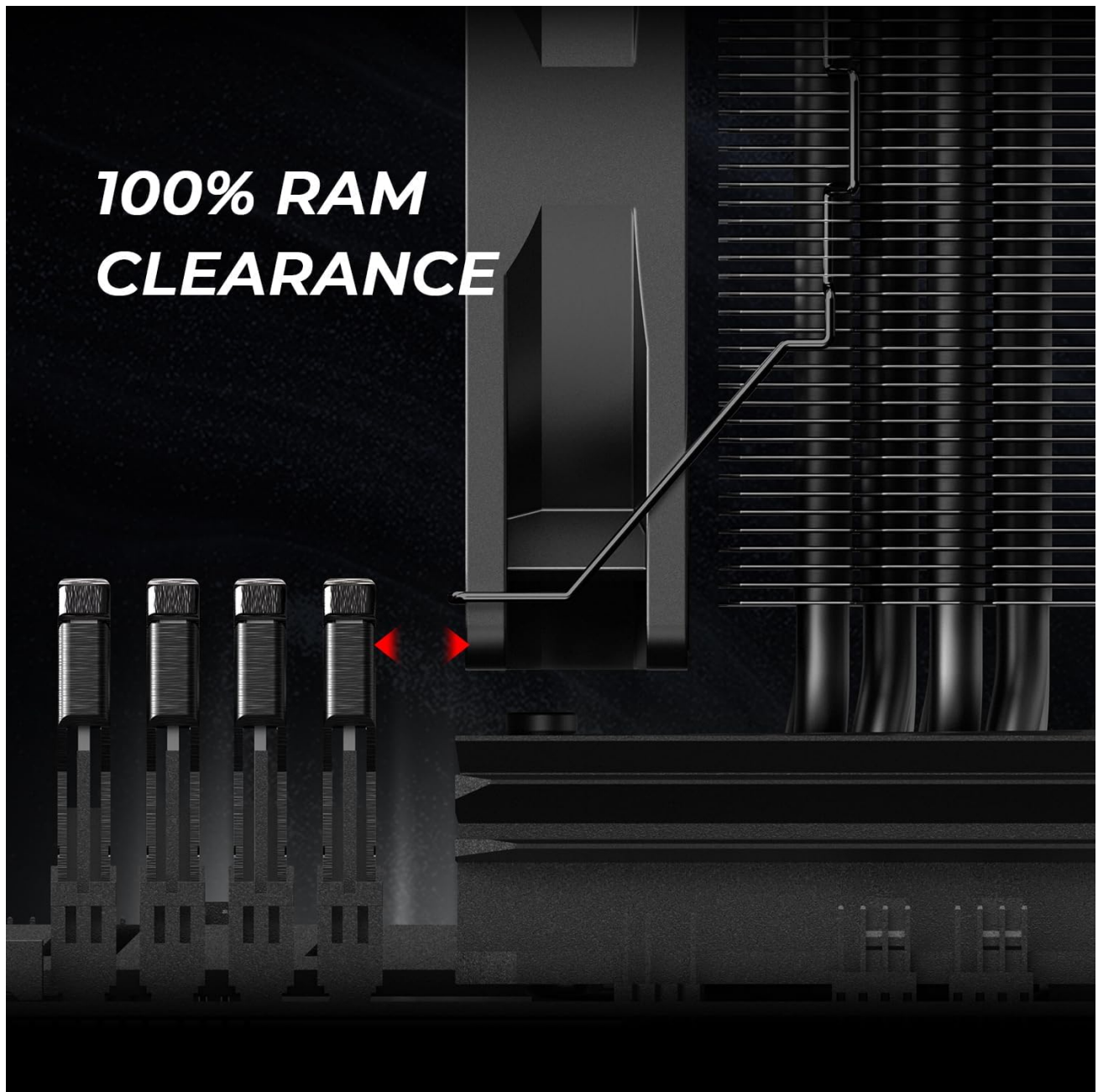


Figure 4: The cooler's design ensures 100% RAM clearance, preventing interference with memory modules.

5. OPERATING INSTRUCTIONS

The 120mm PWM fan automatically adjusts its speed based on CPU temperature, ensuring optimal cooling performance while minimizing noise. Once installed and connected to the 'CPU_FAN' header, the fan will operate without further user intervention. Ensure your motherboard's BIOS/UEFI settings for the CPU fan are set to PWM mode for proper automatic speed control.

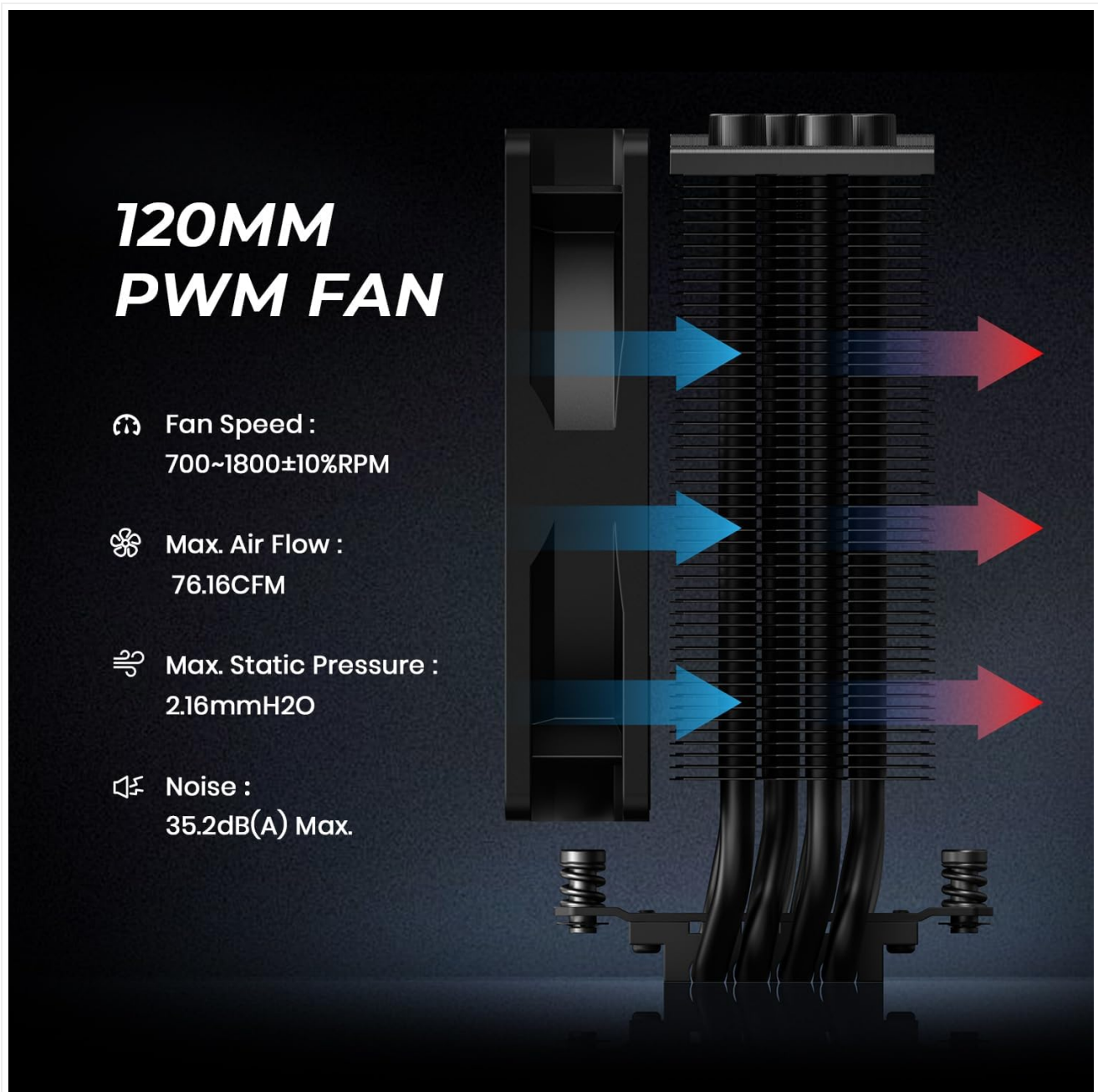


Figure 5: The 120mm PWM fan provides efficient airflow and quiet operation.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your CPU cooler.

- **Dust Cleaning:** Periodically (every 3-6 months, depending on environment) use compressed air to clean dust from the heatsink fins and fan blades. Ensure the fan is not spinning rapidly during cleaning to prevent damage to the bearings.
- **Thermal Paste:** If you remove the heatsink for any reason, it is recommended to clean off the old thermal paste from both the CPU and the heatsink base and apply a fresh layer before reinstallation.
- **Fan Inspection:** Check the fan for any signs of wear, unusual noise, or reduced performance. If the fan fails, it can be replaced with a compatible 120mm PWM fan.

7. TROUBLESHOOTING

If you encounter issues with your CPU cooler, refer to the following common troubleshooting steps:

- **High CPU Temperatures:**

- Ensure the heatsink is securely mounted and making full contact with the CPU.
- Verify that thermal paste was applied correctly and evenly.
- Check if the fan is spinning. If not, ensure it is properly connected to the 'CPU_FAN' header.
- Clean any dust buildup from the heatsink fins and fan.

- **Fan Not Spinning or Making Noise:**

- Confirm the 4-pin fan connector is fully seated in the 'CPU_FAN' header.
- Check for any cables or obstructions blocking the fan blades.
- If the fan is making unusual grinding or rattling noises, it may indicate a faulty bearing and the fan might need replacement.

- **Installation Issues:**

- Double-check that you are using the correct mounting hardware for your specific CPU socket.
- Refer to the installation video and steps carefully to ensure all components are assembled in the correct order.

8. WARRANTY AND SUPPORT

ID-COOLING products typically come with a standard manufacturer's warranty. For specific warranty details, including duration and coverage, please refer to the warranty card included with your product or visit the official ID-COOLING website. For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact ID-COOLING customer service through their official channels.

For more information, visit the [ID-COOLING Store on Amazon](#).