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› ID-COOLING SE-214-XT ARGB CPU Cooler User Manual

ID-COOLING SE-214-XT

ID-COOLING SE-214-XT ARGB CPU Cooler User Manual

Model: SE-214-XT ARGB

1. INTRODUCTION

The ID-COOLING SE-214-XT ARGB CPU Cooler is designed to provide efficient heat dissipation for your CPU while offering customizable ARGB lighting. This air cooler features 4 heat pipes and a 120mm PWM fan, ensuring optimal thermal performance. The ARGB lighting can be synchronized with your motherboard via a 5V 3-PIN connector, allowing for a cohesive aesthetic with your PC build. It supports a wide range of Intel and AMD sockets, including LGA1700, LGA1200, LGA115X, AM4, and AM5.

DIRECT CONTACT TECHNOLOGY

Excellent Heat Dissipation with 4 Direct Contact Heat Pipes.



Figure 1: ID-COOLING SE-214-XT ARGB White CPU Cooler.

2. KEY FEATURES

- **Enhanced Heat Dissipation:** Equipped with 4 direct-contact heat pipes for efficient heat transfer from the CPU.



Figure 2: Direct Contact Technology with 4 Heat Pipes.

- **Addressable RGB Lighting:** Customizable RGB lighting that can be adjusted to match your PC's aesthetic.
- **Motherboard Sync:** ARGB lighting can be synchronized with compatible motherboards via a 5V 3-PIN connector for unified lighting effects.

100% MEMORY COMPATIBILITY

Specially TILT HEATSINK design offers 100% memory compatibility on all motherboards.

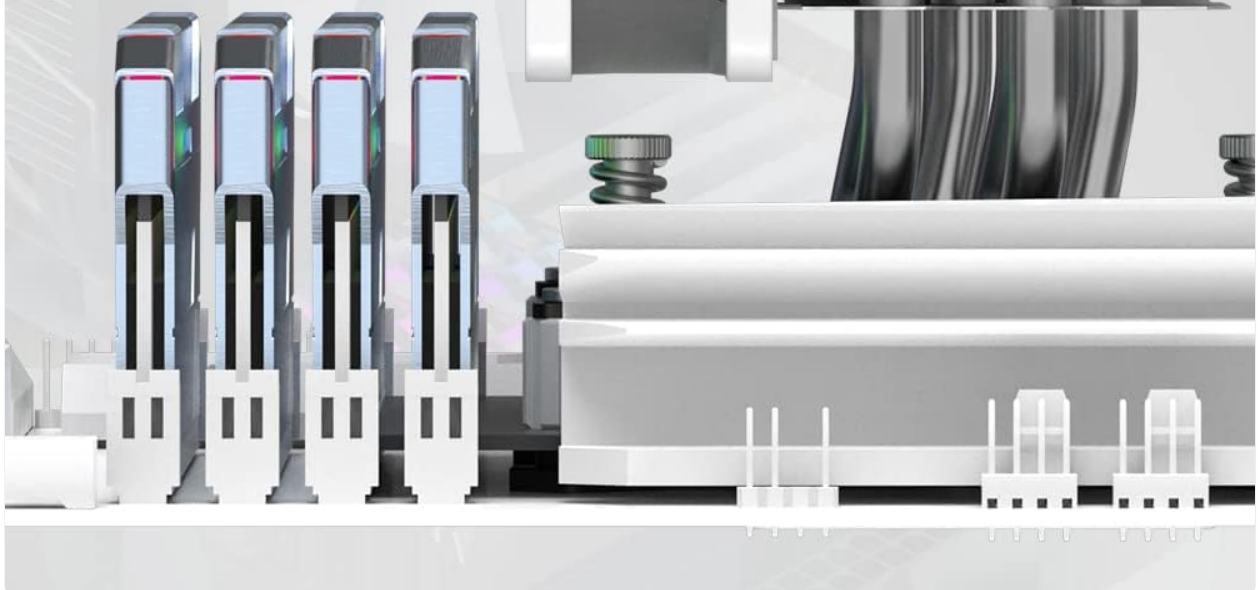


Figure 3: Motherboard ARGB Sync via 5V 3-PIN Connector.

- **PWM Fan Control:** The 120mm RGB PWM fan operates between 500-1,500 RPM, allowing for precise control over fan speeds to minimize noise or maximize airflow. Max. Air Flow: 68.2CFM; Noise Level: 13.8-30.5dB(A).

INSTALLATION ON LGA1700/1200/115X & AMD AM4

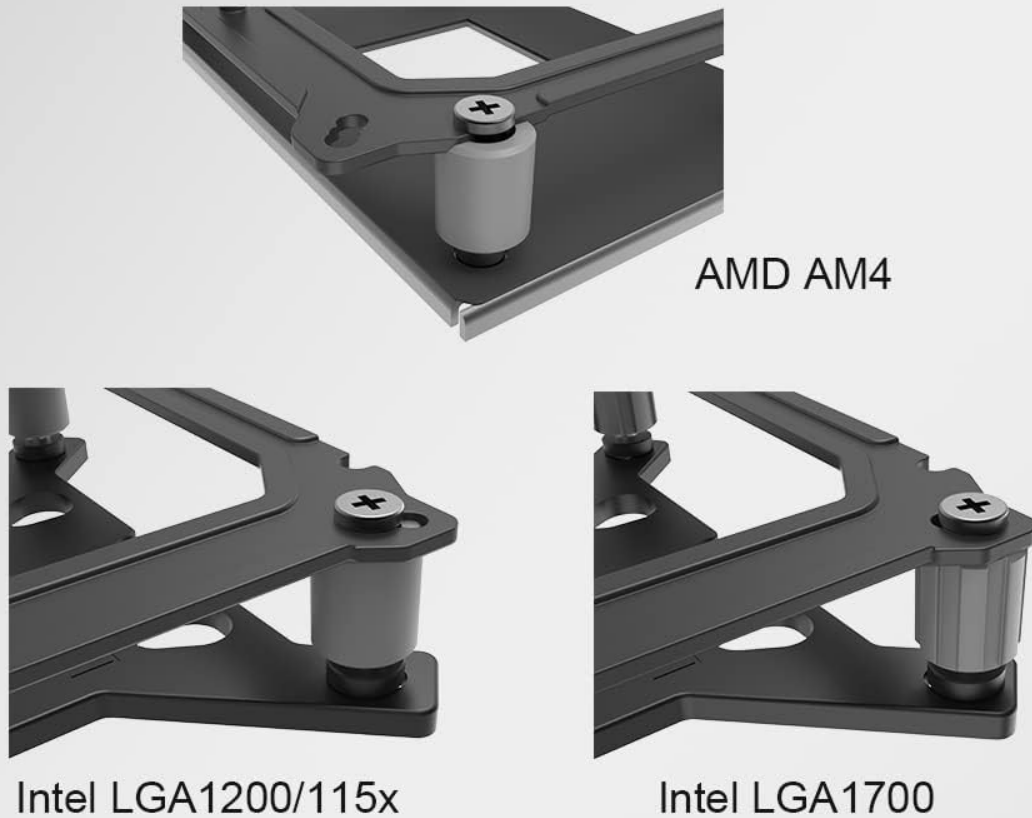


Figure 4: 120mm RGB PWM Fan with Speed Control.

- **Wide Compatibility:** Supports most Intel sockets (LGA1700/1200/1151/1150/1155/1156) and AMD sockets (AM4/AM5).
- **Memory Compatibility:** Specially designed TILT HEATSINK offers 100% memory compatibility on all motherboards.



500-1,500 RPM (PWM) PRECISE PWM CONTROL

Adjust fan speeds to accommodate the demands of your system, minimizing noise or maximizing airflow.

Figure 5: Memory Compatibility with TILT HEATSINK Design.

3. INSTALLATION GUIDE

Before beginning installation, ensure your system is powered off and unplugged. Refer to your motherboard manual for specific CPU socket information.

3.1. Prepare Mounting Hardware

The cooler includes mounting hardware for both Intel and AMD platforms. Identify the correct backplate, standoffs, and brackets for your CPU socket type.



Figure 6: Mounting Hardware for Intel and AMD Sockets.

3.2. Intel LGA 1700 Installation

For detailed visual instructions on installing the SE-214-XT ARGB onto an Intel LGA 1700 motherboard, please watch the official installation video below:

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Video 1: Official installation guide for ID-COOLING SE-214-XT ARGB on LGA 1700 platforms.

3.3. AMD AM4/AM5 Installation

For detailed visual instructions on installing the SE-214-XT ARGB onto an AMD AM4 or AM5 motherboard, please watch the official installation video below:

Your browser does not support the video tag.

Video 2: Official installation guide for ID-COOLING SE-214-XT ARGB on AM4/AM5 platforms.

3.4. General Installation Steps (Summary)

1. **Prepare CPU Socket:** Remove any existing plastic retention modules from your motherboard, keeping the metal backplate if applicable for Intel sockets. For AMD, remove the stock plastic retention clips but retain the original

backplate.

2. **Install Mounting Hardware:** Secure the appropriate standoffs and mounting brackets onto the motherboard around the CPU socket.
3. **Apply Thermal Paste:** Apply a small, pea-sized amount of thermal paste to the center of your CPU's integrated heat spreader (IHS).
4. **Mount Heatsink:** Carefully place the heatsink onto the CPU, aligning the screws with the mounting brackets. Tighten the screws in an alternating diagonal pattern, a few turns at a time, until secure. Do not overtighten.
5. **Attach Fan:** Use the provided fan clips to secure the 120mm fan to the heatsink. Ensure the fan is oriented to blow air through the heatsink towards the rear or top of your PC case.
6. **Connect Cables:** Connect the 4-pin PWM fan cable to the 'CPU_FAN' header on your motherboard. Connect the 5V 3-PIN ARGB cable to the 'V_D_G' or 'ADD_HEADER' on your motherboard for lighting control.

4. OPERATION

Once installed, the ID-COOLING SE-214-XT ARGB CPU Cooler operates automatically. The PWM function of the fan will adjust its speed based on CPU temperature, as controlled by your motherboard's BIOS settings or fan control software. The ARGB lighting can be controlled via your motherboard's RGB software (e.g., ASUS Aura Sync, Gigabyte RGB Fusion, MSI Mystic Light Sync, ASRock Polychrome Sync) once the 5V 3-PIN ARGB cable is connected.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your CPU cooler.

- **Dust Cleaning:** Periodically clean dust from the heatsink fins and fan blades using compressed air or a soft brush. Ensure the fan is not spinning during cleaning to prevent damage.
- **Thermal Paste:** Reapply thermal paste if you remove the heatsink for any reason. Thermal paste typically lasts for several years, but fresh application can improve thermal conductivity.
- **Fan Inspection:** Check the fan for any unusual noises or reduced performance. Ensure cables are securely connected.

6. TROUBLESHOOTING

- **Fan Not Spinning:** Ensure the 4-pin PWM fan cable is securely connected to the 'CPU_FAN' header on the motherboard. Check BIOS settings to confirm fan control is enabled.
- **RGB Lighting Not Working/Incorrect:** Verify the 5V 3-PIN ARGB cable is correctly connected to the motherboard's ARGB header. Ensure your motherboard's RGB software is installed and configured correctly. Note that this cooler uses 5V 3-PIN ARGB, not 12V 4-PIN RGB.
- **High CPU Temperatures:** Confirm the heatsink is securely mounted and making proper contact with the CPU. Ensure sufficient thermal paste was applied. Check fan orientation for proper airflow. Verify adequate case airflow.
- **Unusual Noise:** Inspect the fan for any obstructions or loose components. Ensure the fan is securely attached to the heatsink.

7. SPECIFICATIONS

Feature	Specification
Brand	ID-COOLING
Model	SE-214-XT ARGB

Feature	Specification
Cooling Method	Air
Heat Pipes	4 Direct Contact
Fan Size	120mm
Fan Type	RGB PWM
Fan Speed	500-2500 RPM (Max)
Air Flow Capacity	68.2 CFM (Max)
Noise Level	13.8-30.5 dB(A)
Power Connector Type	4-Pin (Fan), 5V 3-Pin (ARGB)
Voltage	12 Volts
Compatible Devices	Desktop
Material	Polycarbonate (Fan)
Intel Socket Compatibility	LGA1700/1200/1151/1150/1155/1156
AMD Socket Compatibility	AM4/AM5

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official ID-COOLING website or contact their customer service directly. Warranty terms may vary by region and retailer. Please retain your proof of purchase for warranty claims. Official Website: www.idcooling.com