ID-COOLING SE-214-XT V2 ARGB

ID-COOLING SE-214-XT V2 ARGB CPU Air Cooler Instruction Manual

Model: SE-214-XT V2 ARGB

Product Overview

The ID-COOLING SE-214-XT V2 ARGB CPU Air Cooler is designed to provide efficient cooling for your processor. This air cooler features an upgraded tower heatsink with direct touch heatpipes, a 120mm ARGB PWM fan, and broad compatibility with various Intel and AMD platforms. Its refined design ensures stable heat dissipation and a cohesive aesthetic for your PC build.
Key features include:

- **Upgraded Cooling Performance:** Improved tower heatsink design with direct touch heatpipes for stable and efficient heat dissipation.
- **Enhanced Fin Locking & Secure Fan Clip Design:**Reinforced fin-lock structure and fan clips reduce vibration and improve durability.
- **Enhanced Cooling with Fan Upgrade:**Newly upgraded fan delivers higher static pressure for effective airflow through dense fins.
- **Refined Aesthetic:** Seamless and refined design with ARGB lighting for a clean, balanced, and premium appearance.
- **Excellent Compatibility:** Standard single-tower design ensures broad compatibility with RAM and motherboard components.
- **Upgraded Universal Mounting Bracket:** Compatible with Intel LGA1700/1200/115X and AMD AM5/AM4 platforms for easier installation.

What's in the Box

The ID-COOLING SE-214-XT V2 ARGB CPU Air Cooler package includes the following components:

- Heatsink
- Cooling Fan (120mm ARGB PWM Fan)

- Mounting Hardware (for Intel LGA1700/1200/115X and AMD AM5/AM4)
- Thermal Paste
- Installation Guide

Image: Contents of the ID-COOLING SE-214-XT V2 ARGB CPU Air Cooler package, including the heatsink, fan, and mounting hardware.

Specifications

Feature	Detail
Brand	ID-COOLING
Model Number	SE-214-XT V2 ARGB
Cooling Method	Air
Heat Pipes	4 Direct-Touch Heat Pipes
Fan Size	120mm
Fan Type	ARGB PWM Fan

Fan Speed	300-2000 ±10% RPM
Max. Air Flow	58 CFM
Max. Static Pressure	1.94 mmH2O
Noise Level	27.2 dB(A) Max.
Power Connector	4-Pin
Compatible Sockets	Intel LGA1700/1200/115X, AMD AM5/AM4
TDP Rating	Up to 180W
Dimensions (Total Height)	152mm

Image: Visual representation of the cooler's performance metrics including fan speed, airflow, static pressure, and noise level.

Setup and Installation

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

1. Prepare the Motherboard

1. Identify your CPU socket type (Intel LGA1700/1200/115X or AMD AM5/AM4).
2. Attach the appropriate backplate and mounting brackets to your motherboard. The universal mounting bracket is designed for both Intel and AMD platforms.

Image: Universal mounting kits compatible with Intel LGA1851/1700/1200/115X and AMD AM5/AM4 sockets.

2. Apply Thermal Paste

3. Clean the CPU surface with isopropyl alcohol to remove any old thermal paste or residue.
4. Apply a small amount of the provided thermal paste to the center of your CPU. A pea-sized dot is generally sufficient.

[redacted]

Video: An overview of the ID-COOLING SE-214-XT V2 ARGB cooler, demonstrating its components and a brief installation sequence. This video is provided by the seller.

3. Mount the Heatsink

5. Remove the protective film from the heatsink's base before installation.
6. Carefully place the heatsink onto the CPU, aligning the mounting holes with the brackets.

7. Secure the heatsink by screwing it down evenly from opposing corners to ensure balanced pressure. Do not overtighten.

Image: The base of the ID-COOLING SE-214-XT V2 ARGB cooler, highlighting the four direct-touch heat pipes for efficient heat transfer.

4. Install the Fan

8. Attach the 120mm ARGB PWM fan to the heatsink using the provided fan clips. Ensure the fan is oriented to push air through the heatsink towards the rear or top of your case.
9. Connect the fan's 4-pin PWM cable to the "CPU_FAN" header on your motherboard.
10. Connect the fan's ARGB cable to a compatible 3-pin 5V ARGB header on your motherboard.

Image: The ID-COOLING SE-214-XT V2 ARGB CPU Air Cooler fully assembled with the 120mm ARGB fan attached to the heatsink.

Operating Instructions

Fan Operation (PWM)

The 120mm fan is a PWM (Pulse Width Modulation) fan, meaning its speed can be dynamically controlled by your motherboard based on CPU temperature. This allows for optimal balance between cooling performance and noise levels.

- Access your motherboard's BIOS/UEFI settings to configure the CPU fan curve. You can set custom fan speeds at different temperature thresholds.
- Most motherboards also offer software utilities within the operating system to adjust fan speeds and monitor temperatures.

ARGB Lighting Control

The fan features Addressable RGB (ARGB) lighting, which can be synchronized with other ARGB components in your system.

- Ensure the ARGB cable is connected to a compatible 3-pin 5V ARGB header on your motherboard.
- Use your motherboard manufacturer's ARGB control software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, Gigabyte RGB Fusion, ASRock Polychrome Sync) to customize lighting effects, colors, and synchronization.
- If your motherboard does not have an ARGB header, a separate ARGB controller (not included) would be required for lighting control.

Image: The ID-COOLING SE-214-XT V2 ARGB cooler installed in a PC case, showcasing its customizable ARGB lighting effects.

Maintenance

Regular maintenance helps ensure optimal cooling performance and extends the lifespan of your CPU cooler.

- **Dust Removal:** Periodically clean dust from the heatsink fins and fan blades using compressed air or a soft brush. Accumulation of dust can impede airflow and reduce cooling efficiency.

- **Fan Inspection:** Check the fan for any signs of wear, damage, or excessive noise. Ensure the fan spins freely without obstruction.
- **Thermal Paste:** While not frequently required, if you remove the cooler for any reason, it is recommended to clean off old thermal paste and apply new thermal paste before reinstallation.

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 proper contact with the CPU.
  - Verify that thermal paste was applied correctly and evenly.
  - Check if the fan is spinning. If not, ensure it's properly connected to the CPU_FAN header.
  - Clean any dust buildup from the heatsink fins and fan.
  - Check your case's airflow. Ensure there's adequate intake and exhaust.
- **Fan Not Spinning or No ARGB Lighting:**
  - Confirm all power cables (4-pin PWM for fan, 3-pin 5V ARGB for lighting) are securely connected to the correct headers on the motherboard.
  - Check your motherboard's BIOS/UEFI settings to ensure fan control is enabled and not set to a very low RPM.
  - For ARGB lighting, verify that the motherboard's ARGB software is installed and configured correctly.
- **Excessive Fan Noise:**
  - Check for any cables or obstructions hitting the fan blades.
  - Adjust the fan curve in your motherboard's BIOS/UEFI to reduce fan speed at lower temperatures.
  - Ensure the fan is securely mounted to the heatsink.

Warranty and Support

ID-COOLING products typically come with a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms, conditions, and duration. For technical support, product inquiries, or warranty claims, please visit the official ID-COOLING website or contact their customer service directly.
Official ID-COOLING Website: www.idcooling.com