

ID-COOLING SE-214-XT PLUS

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

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

1. PRODUCT OVERVIEW

The ID-COOLING SE-214-XT PLUS is a high-performance CPU air cooler designed to provide efficient heat dissipation for your desktop processor. It features a single tower heatsink with four direct-contact heat pipes and two 120mm PWM fans configured in a push-pull arrangement, ensuring optimal airflow and cooling performance while maintaining low noise levels. Its compact 150mm height ensures broad compatibility with various PC chassis, and its design prevents interference with RAM modules and PCIe slots.



Figure 1: ID-COOLING SE-214-XT PLUS CPU Cooler, front view.

2. PACKAGE CONTENTS

Please verify that all components listed below are present in the package before proceeding with installation.

- 1 x SE-214-XT PLUS Heatsink (Single Tower with 4 Heat Pipes)
- 2 x 120mm PWM Fans
- 1 x Installation Guide
- 1 x Mounting Hardware Kit (for Intel and AMD sockets)
- 1 x Thermal Paste Packet

CPU Sockets List

INTEL

1851/1700/1200/115X

AMD

AM5/AM4

Figure 2: Included mounting hardware and thermal paste.

3. SPECIFICATIONS

Feature	Specification
Overall Dimensions	124mm (L) x 98mm (W) x 150mm (H)
Fan Dimensions	120mm x 120mm x 25mm
Weight (Heatsink & Fan)	650g
Rated Voltage	12VDC
Operating Voltage	10.8V ~ 13.2VDC
Starting Voltage	7VDC
Rated Current	0.2A
Power Input	2.4W
Fan Speed	700-1800 \pm 10% RPM (PWM controlled)
Max. Air Flow	76.16 CFM
Noise Level	15.2 ~ 35.2 dB(A) Max.
Bearing Type	Hydraulic Bearing
Material	Aluminum (fins), Copper (heat pipes/base)

Manufactured by:
Shenzhen Wanjinhua Technology Co., Ltd.
Wanjinhua Industry Park, Guiyue Road, Guanlan Shenzhen



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Figure 3: Detailed dimensions of the CPU cooler.

4. COMPATIBILITY

The ID-COOLING SE-214-XT PLUS CPU Cooler is compatible with a wide range of Intel and AMD CPU sockets:

- **Intel Sockets:** LGA1700, LGA1851, LGA1200, LGA1150, LGA1151, LGA1155, LGA1156
- **AMD Sockets:** AM5, AM4

Its 150mm height and non-interference design ensure compatibility with most standard PC cases and memory modules.

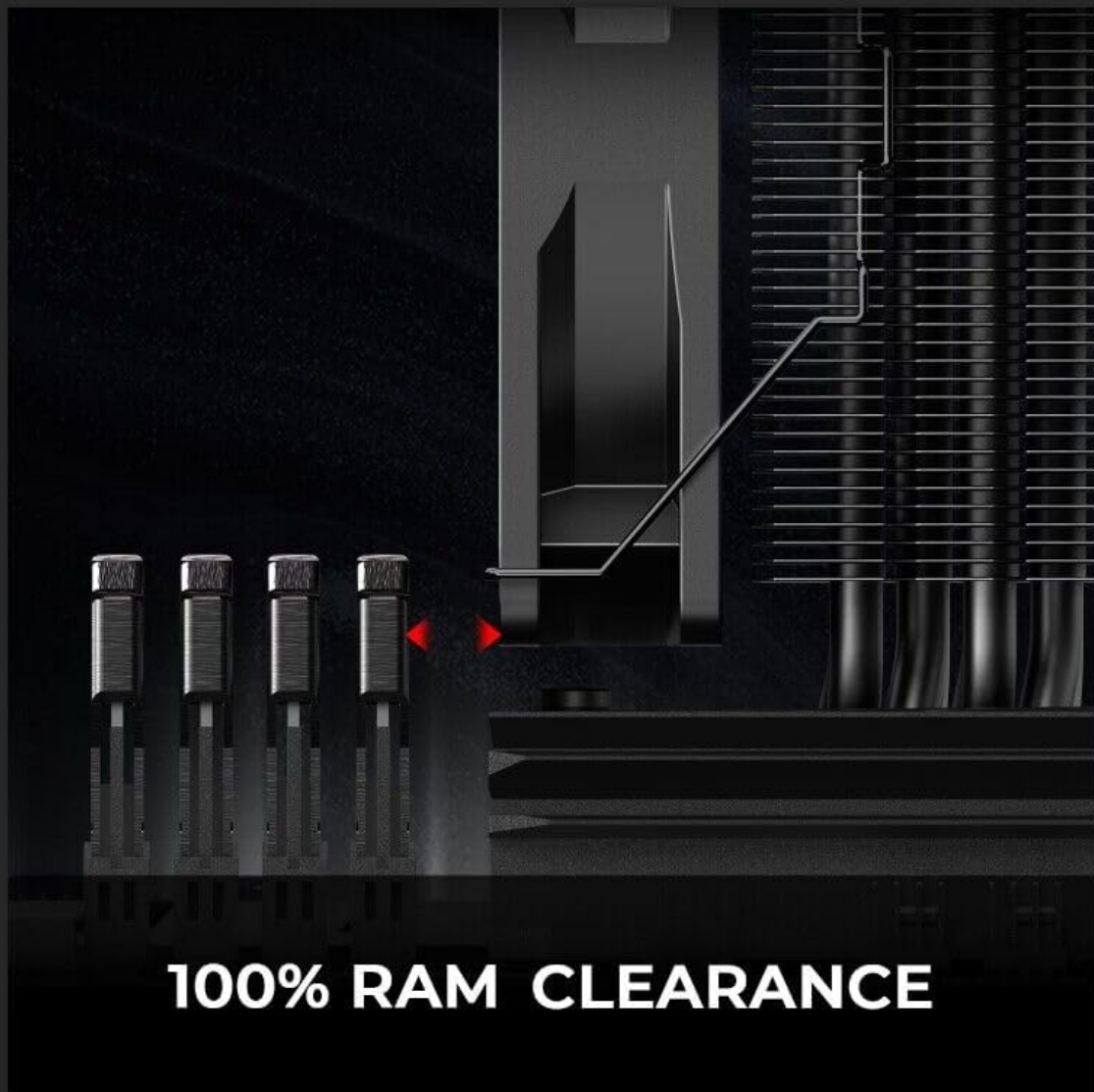


Figure 4: Design ensures 100% RAM clearance.

5. SETUP AND INSTALLATION

The installation process for the SE-214-XT PLUS is designed to be straightforward. Please follow the steps carefully according to your CPU socket type (Intel or AMD).

General Installation Steps:

1. **Preparation:** Ensure your system is powered off and disconnected from the power source. Remove any existing CPU cooler and clean the CPU surface thoroughly with an alcohol wipe (not included) to remove old thermal paste residue.
2. **Mounting Bracket Installation:**
 - For Intel sockets, attach the appropriate backplate to the motherboard from the rear, aligning the holes. Secure the standoffs from the front side of the motherboard.
 - For AMD sockets, utilize the motherboard's original backplate. Secure the appropriate standoffs onto the existing mounting points.

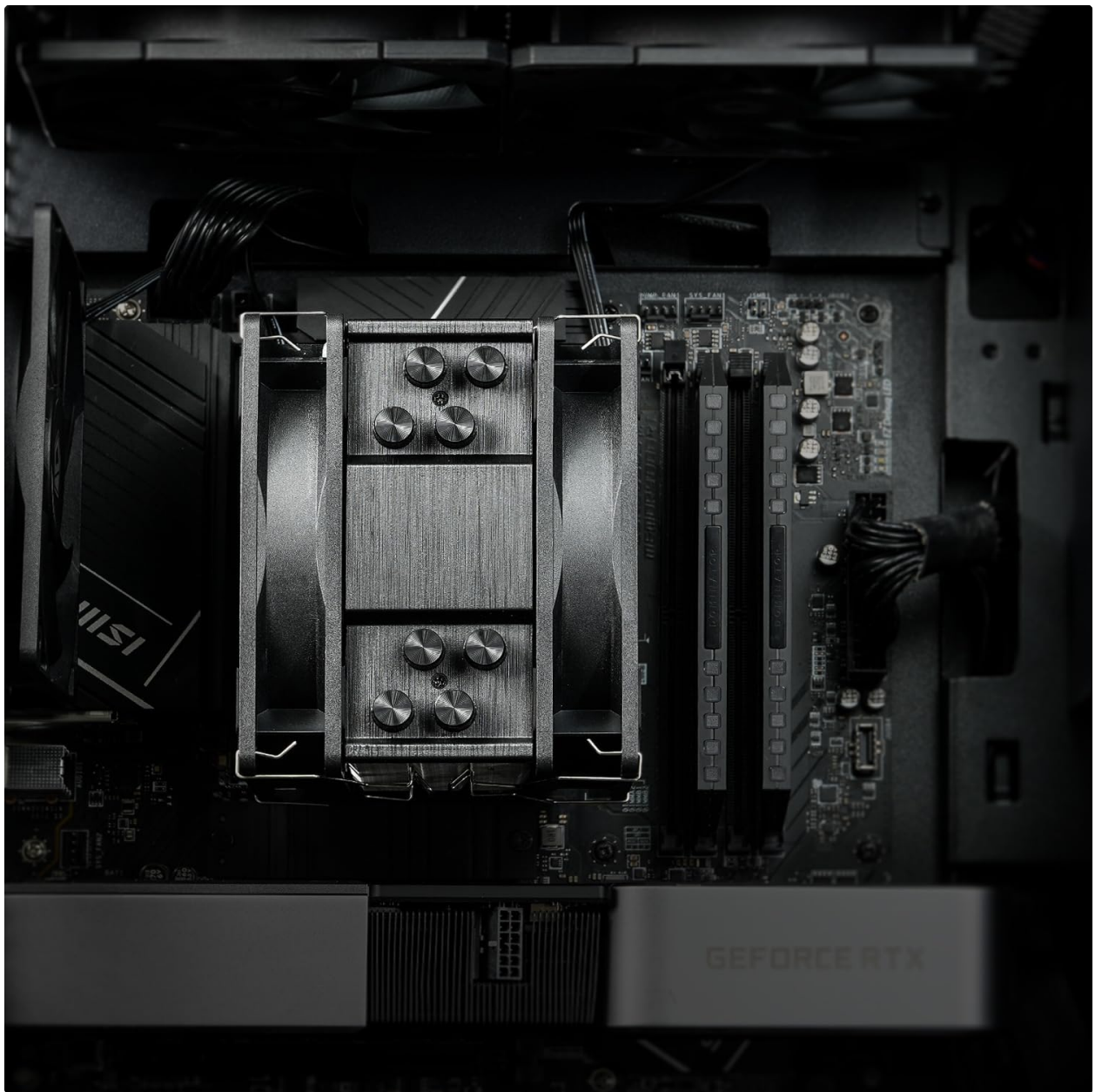


Figure 5: Installation is designed to be hassle-free for both Intel and AMD platforms.

3. **Thermal Paste Application:** Apply a small, pea-sized amount of the included thermal paste onto the center of your CPU's integrated heat spreader (IHS). Do not spread it manually; the pressure from the heatsink will distribute it evenly.
4. **Heatsink Mounting:** Carefully place the heatsink onto the CPU, aligning the mounting holes with the standoffs. Secure the heatsink using the provided screws, tightening them in a diagonal pattern until snug.
5. **Fan Attachment:** Attach the two 120mm PWM fans to the heatsink using the included metal clips. Ensure the fans are oriented correctly for optimal airflow (push-pull configuration, as shown in Figure 6).
6. **Cable Connection:** Connect the 4-pin PWM fan cables to the CPU_FAN header(s) on your motherboard. If your motherboard supports ARGB, connect the 3-pin ARGB cable to the appropriate ARGB header (e.g., ASUS AURA, MSI MYSTIC LIGHT, GIGABYTE FUSION, ASROCK POLYCHROME).




Figure 6: The dual 120mm fans operate in a push-pull configuration for enhanced cooling.

6. OPERATING INSTRUCTIONS

Once installed, the ID-COOLING SE-214-XT PLUS operates automatically. The PWM (Pulse Width Modulation) function of the fans allows your motherboard to dynamically control fan speed based on CPU temperature, ensuring efficient cooling when needed and quiet operation during lighter loads.

- For optimal performance, ensure proper airflow within your PC case.
- Monitor CPU temperatures using system monitoring software to confirm effective cooling.

PUSH-PULL FANS

 Fan Speed :
700~1800±10%RPM

 Max. Air Flow :
76.16CFM

 Max. Static Pressure :
2.16mmH2O

 Noise :
35.2dB(A) Max.

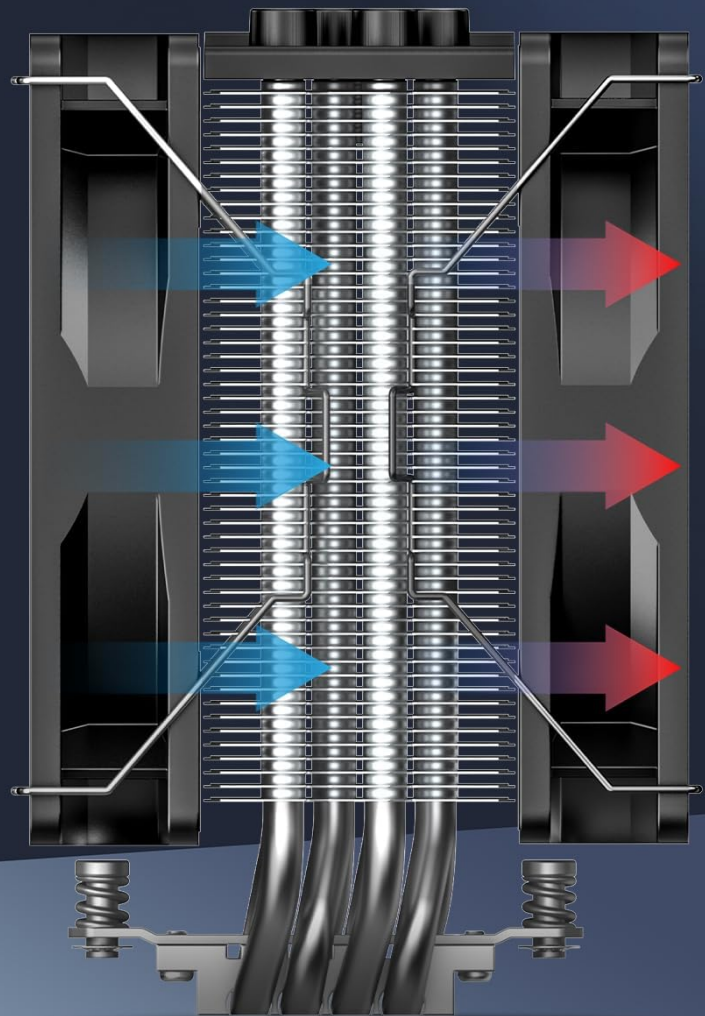


Figure 7: Illustration of heat dissipation through the heatsink and fans.

7. MAINTENANCE

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

- **Dust Cleaning:** 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.
- **Thermal Paste:** While not frequently required, if you remove the cooler for any reason, it is recommended to clean off the old thermal paste and apply new thermal paste before re-installation.

8. TROUBLESHOOTING

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

- **High Temperatures:**
 - Verify that the heatsink is securely mounted and making full contact with the CPU.
 - Ensure sufficient thermal paste was applied and spread correctly upon installation.

- Check that both 120mm fans are spinning correctly and are connected to the CPU_FAN headers on the motherboard.
- Confirm adequate airflow within your PC case (e.g., proper intake/exhaust fan setup).
- **Fan Noise:**
 - Ensure no cables are obstructing the fan blades.
 - Check if the fans are securely attached to the heatsink.
 - Verify fan speed settings in your motherboard's BIOS/UEFI or fan control software.
- **ARGB Lighting Issues:**
 - Ensure the 3-pin ARGB cable is correctly connected to a compatible ARGB header on your motherboard.
 - Check your motherboard's ARGB software for lighting control and settings.

9. WARRANTY AND SUPPORT


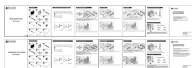

For warranty information or technical support, please contact ID-COOLING directly. It is recommended to retain your proof of purchase for any warranty claims.




- **Website:** www.idcooling.com
- **Support Email:** support@idcooling.com

ID-COOLING is committed to providing reliable products and customer support. For further assistance, please refer to the official website or contact the support team.

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Related Documents - SE-214-XT PLUS

	<p>ID-COOLING SE-214-XT / SE-903-XT Series CPU Cooler Installation Guide</p> <p>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.</p>
	<p>ID-COOLING SE-XT Series CPU Cooler Installation Guide</p> <p>Installation guide for ID-COOLING SE-XT Series CPU coolers, detailing component identification, Intel and AMD socket installation steps, fan mounting, and ARGB connection. Includes support information and contact details.</p>
	<p>ID-COOLING IS-XT-A1-X3A4D06-V2 CPU Cooler Installation Guide</p> <p>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.</p>

	<p>ID-COOLING CPU Cooler Installation Guide</p> <p>Comprehensive installation guide for the ID-COOLING CPU cooler, covering component lists, Intel and AMD socket installation, and ARGB fan cable connections. Includes troubleshooting tips and contact information for support.</p>
	<p>ID-COOLING IS-XT Installation Guide</p> <p>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.</p>
	<p>ID-COOLING AIO-DASH-V1 Installation Guide</p> <p>Comprehensive installation guide for the ID-COOLING AIO-DASH-V1 CPU cooler, covering compatibility with Intel LGA1700, LGA1200/115X, LGA20XX, and AMD AM4/AM5 sockets. Includes detailed steps and component lists for a successful installation.</p>