

ID-COOLING IS-67-XT Black

ID-COOLING IS-67-XT Black Low Profile CPU Cooler User Manual

Model: IS-67-XT Black | Brand: ID-COOLING

1. INTRODUCTION

Thank you for choosing the ID-COOLING IS-67-XT Black Low Profile CPU Cooler. This manual provides detailed instructions for the proper installation, operation, and maintenance of your new CPU cooler. Designed for HTPCs, ITX, and Small Form Factor builds, this cooler features a 67mm total height, a pure copper base, 6 heat pipes, and a 120x15mm PWM fan for efficient heat dissipation and quiet operation.

Please read this manual thoroughly before installation to ensure optimal performance and to prevent any damage to your components.

2. PACKAGE CONTENTS

Verify that all components are present in your package:

- ID-COOLING IS-67-XT Black CPU Cooler (Heatsink with pre-installed 120x15mm PWM fan)
- Mounting Hardware for Intel LGA1700/1200/115X
- Mounting Hardware for AMD AM5/AM4
- Thermal Paste
- Long Screwdriver (for installation)

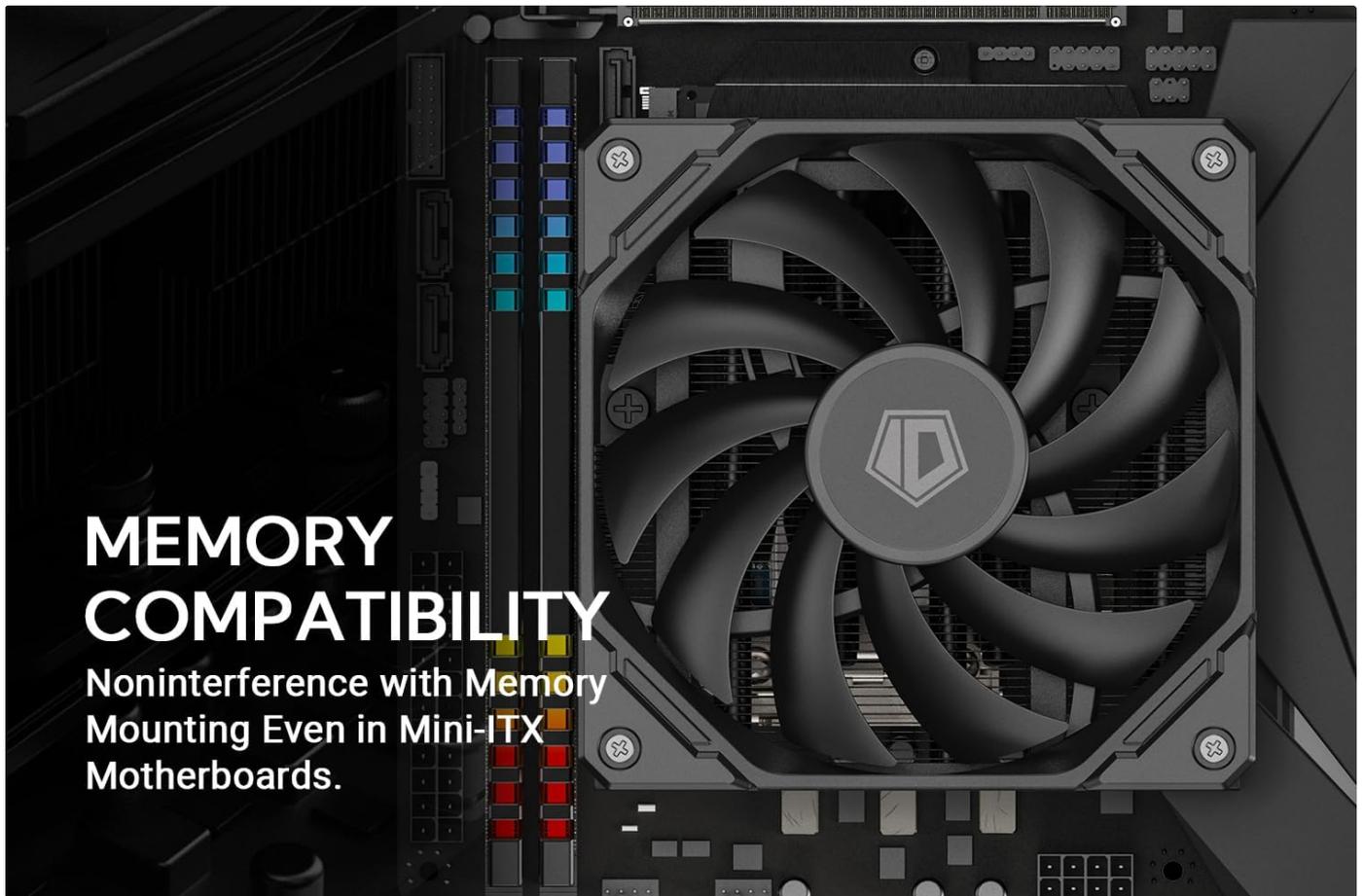


Figure 2.1: Included Mounting Hardware and Accessories

3. SPECIFICATIONS

Table 3.1: ID-COOLING IS-67-XT Black Technical Specifications

Feature	Detail
Overall Dimension	120x120x67mm (L x W x H)
Fan Dimension	120x120x15mm
Weight	500g (Net weight includes heatsink and fan(s) only)
Rated Voltage	12VDC
Rated Current	0.28A
Power Input	3.36W
Fan Speed	500-2200RPM \pm 10%
Max. Air Flow	67.58CFM
Noise Level	32.3dB(A) Max.
Bearing Type	Hydraulic Bearing
Heat Pipes	6 (Direct Contact)
Base Material	Copper

Feature	Detail
Compatibility	Intel LGA1700/1200/115X; AMD AM5/AM4



Figure 3.1: Cooler Dimensions

4. INSTALLATION GUIDE

Before beginning installation, ensure your system is powered off and unplugged. It is recommended to install the CPU cooler on the motherboard before installing the motherboard into the PC case, especially for small form factor builds.

4.1. General Preparation

1. Remove any existing CPU cooler and clean the CPU surface thoroughly with isopropyl alcohol to remove old thermal paste.
2. Apply a small amount of thermal paste (pea-sized dot) to the center of the CPU's integrated heat spreader (IHS).

4.2. Intel LGA1700/1200/115X Installation

1. Attach the appropriate Intel backplate to the rear of the motherboard, aligning the holes with the CPU socket mounting holes.
2. From the front of the motherboard, insert the four standoffs through the mounting holes and into the backplate.
3. Place the Intel mounting brackets onto the standoffs, ensuring they are oriented correctly. Secure them with the provided nuts.
4. Carefully place the IS-67-XT cooler onto the CPU, aligning the spring-loaded screws on the cooler's mounting arms with the holes on the Intel mounting brackets.

- Using the long screwdriver, tighten the four spring-loaded screws in a diagonal pattern until secure. Do not overtighten.
- Connect the 4-pin PWM fan cable to the CPU_FAN header on your motherboard.

4.3. AMD AM5/AM4 Installation

- Remove the plastic retention clips from the stock AMD backplate, but keep the stock backplate in place.
- Screw the four AMD standoffs into the stock backplate's mounting holes.
- Place the AMD mounting brackets onto the standoffs, ensuring they are oriented correctly. Secure them with the provided nuts. Note that different length bars are provided to allow for 90-degree rotations for RAM and VRM heatsink clearance.
- Carefully place the IS-67-XT cooler onto the CPU, aligning the spring-loaded screws on the cooler's mounting arms with the holes on the AMD mounting brackets.
- Using the long screwdriver, tighten the four spring-loaded screws in a diagonal pattern until secure. Do not overtighten.
- Connect the 4-pin PWM fan cable to the CPU_FAN header on your motherboard.

ES	JP	CN	
Dimensiones	寸法	产品尺寸	120×120×67mm
Dimensiones ventilador	ファン寸法	风扇尺寸	120×120×15mm
Peso neto	重量	产品净重	500g*
Voltaje	定格電圧	额定电压	12VDC
Corriente	定格電流	额定电流	0.28A
Línea de entrada	入力	输入功率	3.36W
Rotación(RPM)	ファン回転数	风扇转速	500~2200RPM±10%
Max. flujo de aire	最大エアフロー	最大风量	67.58CFM
Nivel de ruido	ノイズ	噪音	32.3dB(A) Max.
Rodamiento	ベアリング	轴承形式	Hydraulic Bearing

* Net weight includes the heatsink and fan(s) only.

Figure 4.1: Cooler Installed on a Mini-ITX Motherboard

The cooler's design ensures non-interference with memory mounting, even on Mini-ITX motherboards.

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Video 4.1: Overview of the ID-COOLING IS-67-XT Black CPU Cooler, showcasing its components and compact design suitable for small form factor builds.

5. OPERATION

Once installed, the ID-COOLING IS-67-XT Black CPU Cooler operates automatically based on your motherboard's fan control settings. The 120x15mm PWM fan adjusts its speed according to CPU temperature, providing optimal cooling performance while minimizing noise.

- **PWM Control:** The fan's speed is controlled by the motherboard's Pulse Width Modulation (PWM) signal. This allows for dynamic fan speed adjustment, reducing noise during low-load operations and increasing airflow when temperatures rise.
- **Monitoring:** You can monitor CPU temperatures and fan speeds using motherboard monitoring software or third-party utilities.

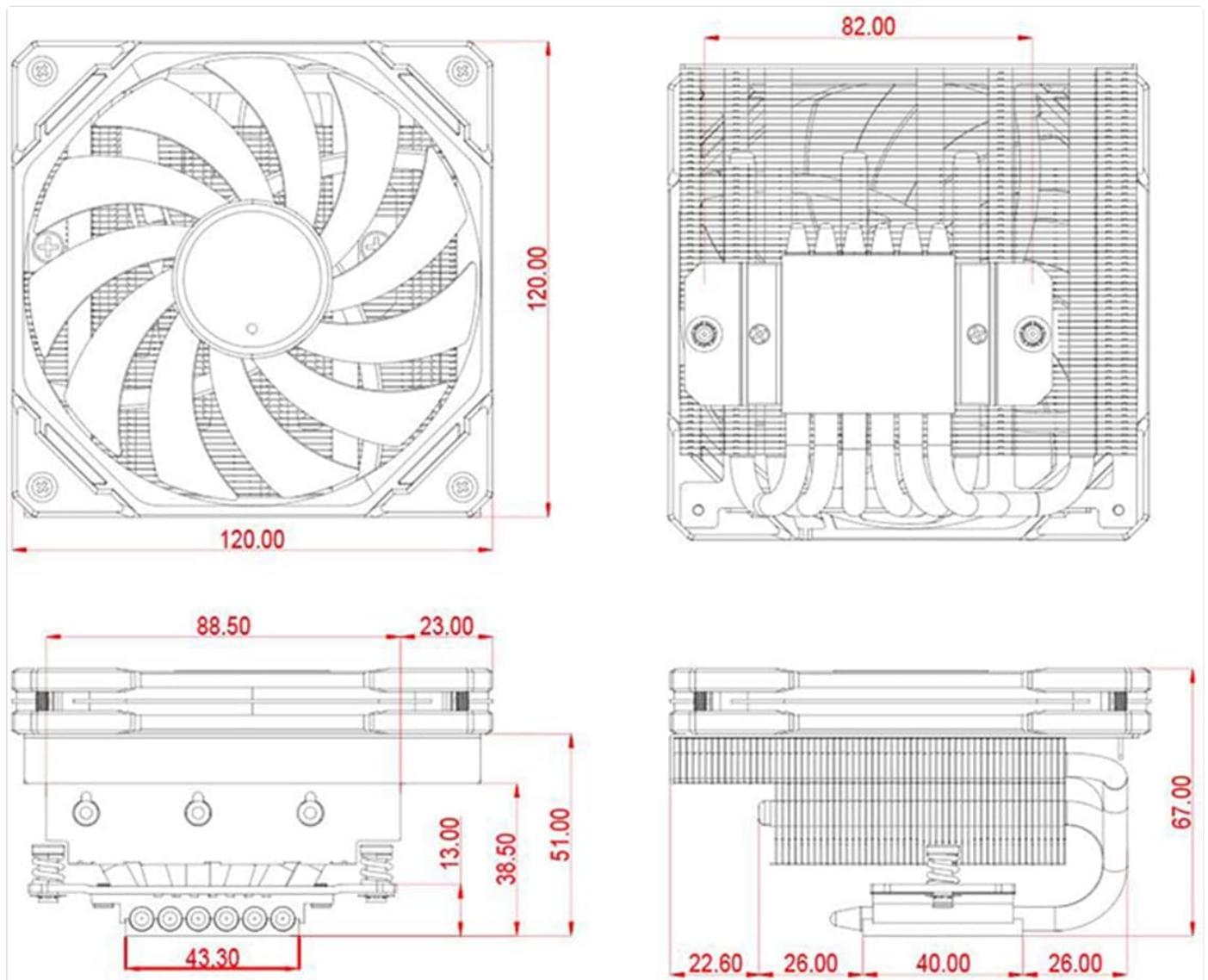


Figure 5.1: Cooler in a Small Form Factor PC Case

6. MAINTENANCE

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

- **Dust Removal:** 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 held stationary while cleaning to prevent damage to the bearing.
- **Thermal Paste:** While not frequently required, if you remove the cooler for any reason, it is recommended to clean off the old thermal paste from both the CPU and the cooler's base and apply new thermal paste before reinstallation.
- **Fan Inspection:** Check the fan for any signs of wear, unusual noises, or wobbling. If the fan is damaged or excessively noisy, consider replacing it.

7. TROUBLESHOOTING

Table 7.1: Common Issues and Solutions

Problem	Possible Cause	Solution
High CPU Temperatures	<ul style="list-style-type: none">◦ Improper thermal paste application◦ Loose cooler mounting◦ Accumulated dust on heatsink/fan◦ Insufficient case airflow	<ul style="list-style-type: none">◦ Reapply thermal paste, ensuring even spread.◦ Check and tighten mounting screws in a diagonal pattern.◦ Clean heatsink fins and fan blades.◦ Improve case ventilation by adding/rearranging case fans.
Fan Not Spinning / Noisy Fan	<ul style="list-style-type: none">◦ Fan cable disconnected or improperly connected◦ Fan bearing issue◦ Obstruction in fan blades	<ul style="list-style-type: none">◦ Ensure 4-pin PWM cable is securely connected to CPU_FAN header.◦ Inspect fan for physical damage or obstructions.◦ If fan is faulty, contact support for replacement.
Cooler Does Not Fit	<ul style="list-style-type: none">◦ Incorrect mounting brackets used◦ Interference with RAM or VRM heatsinks	<ul style="list-style-type: none">◦ Verify correct brackets for your CPU socket (Intel/AMD).◦ For AMD, ensure correct length mounting bars are used to avoid RAM/VRM interference.◦ Confirm case clearance (67mm height).

8. WARRANTY AND SUPPORT

ID-COOLING products are manufactured with high-quality materials and undergo strict quality control. This product is covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official ID-COOLING website.

For technical support, troubleshooting assistance, or warranty claims, please contact ID-COOLING customer service:

- **Website:** www.idcooling.com
- **Support Email:** support@idcooling.com
- **YouTube:** youtube.com/c/idcooling
- **Facebook:** [idcooling.global](https://facebook.com/idcooling.global)

Manufacturer: Shenzhen Wanjinghua Technology Co., Ltd.

Address: Wanjinghua Industry Park, Guiyue Road, Guanlan Shenzhen

Product Model: IS-67-XT Black

P/N: ID-CPU-IS-67-XT-BLACK

UPC: 6931393305226