ID-COOLING FX360 TD

ID-COOLING FX360 TD CPU Liquid Cooler

INSTRUCTION MANUAL

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your ID-COOLING FX360 TD CPU Liquid Cooler. Please read this manual thoroughly before installation to ensure proper setup and optimal performance. Retain this manual for future reference.

Figure 1: ID-COOLING FX360 TD CPU Liquid Cooler installed in a PC case, showcasing its integrated temperature display and ARGB lighting.

Safety Information

- Ensure your system is powered off and unplugged from the wall outlet before installation.
- Handle components with care to prevent damage.
- Avoid contact with the liquid coolant. In case of contact, rinse thoroughly with water.
- Do not modify the cooler or its components. Unauthorized modifications may void the warranty and pose safety risks.
- Keep out of reach of children.

Package Contents

Verify that all components are present before beginning installation:

- 1x Radiator with Integrated Pump and Tubing
- 3x 120mm ARGB Fans
- 1x Intel Mounting Bracket Kit (LGA1851/1700/1200/115x)
- 1x AMD Mounting Bracket Kit (AM5/AM4)

- 1x Backplate (Universal)
- 1x Thermal Paste Tube
- Fan Screws and Mounting Hardware
- ARGB and Fan Splitter Cables

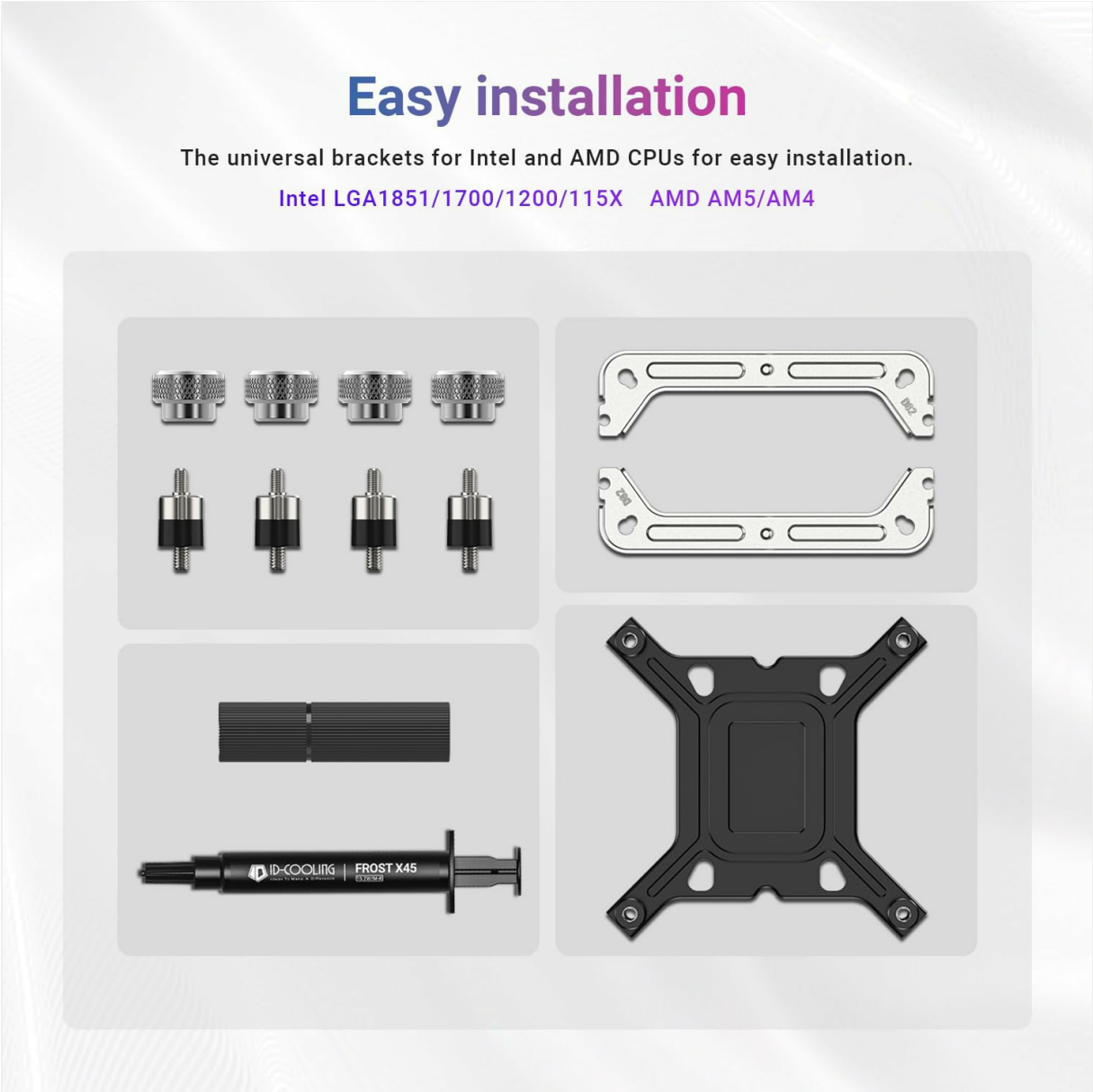

Figure 2: Overview of mounting hardware and accessories for Intel and AMD platforms.

Installation

Follow these general steps for installing the ID-COOLING FX360 TD. Refer to your motherboard and PC case manuals for specific guidance on component placement.

1. **Prepare the CPU Socket:** Install the appropriate backplate for your Intel or AMD motherboard. Secure the standoffs onto the backplate.
2. **Apply Thermal Paste:** Clean the CPU surface. Apply a small amount of the provided thermal paste to the center of the CPU.
3. **Mount the Pump:** Place the pump head onto the CPU, aligning it with the standoffs. Secure it with the correct mounting brackets and thumb screws.
4. **Install Radiator and Fans:** Mount the three 120mm fans to the radiator using the provided screws. Install the radiator assembly into your PC case, typically at the top or front, ensuring adequate

airflow.

5. **Connect Cables:**
    - Connect the pump's 4-pin power cable to the CPU_FAN or AIO_PUMP header on your motherboard.
    - Connect the fan power cables to the fan headers on your motherboard, using the splitter cable if necessary.
    - Connect the ARGB cables from the pump and fans to a compatible 5V 3-pin ARGB header on your motherboard.

Figure 3: Universal brackets and thermal paste for Intel and AMD CPU installation.

Figure 4: High-performance thermal paste for efficient heat transfer.

Operating Instructions

Once installed and powered on, the ID-COOLING FX360 TD will begin cooling your CPU. The integrated features provide real-time monitoring and customizable aesthetics.

Real-Time CPU Temperature Display

The pump head features a built-in LCD that displays the CPU temperature in real-time. This allows for immediate monitoring of your CPU's thermal status without additional software. Ensure all necessary cables are connected for the display to function.

Figure 5: The pump head's LCD screen showing real-time CPU temperature.

Addressable RGB (ARGB) Lighting

The pump head and fans are equipped with ARGB lighting. This lighting can be synchronized with your motherboard's ARGB software (e.g., ASUS Aura Sync, GIGABYTE RGB Fusion, MSI Mystic Light Sync, ASRock Polychrome Sync) for unified system lighting effects. Connect the ARGB cables to the appropriate motherboard header.

Figure 6: The pump head displaying ARGB lighting and CPU temperature.

Fan Operation

The three 120mm fans are designed for high airflow and quiet operation. Their speed is typically controlled by the motherboard based on CPU temperature, which can be configured in the BIOS or through motherboard software.

Figure 7: Details of the 120mm fans, highlighting airflow and noise levels.

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Video 1: An overview of the ID-COOLING FX360 TD CPU Liquid Cooler, demonstrating its features and appearance within a PC build.

Maintenance

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

- **Dust Cleaning:** Periodically clean dust from the radiator fins and fan blades using compressed air or

a soft brush. Ensure fans are not spinning during cleaning.

- **Check Tubing and Connections:** Inspect the tubing and connections for any signs of leaks or damage. Ensure all connections are secure.
- **Monitor Temperatures:** Regularly check the CPU temperature display to ensure the cooler is functioning effectively. Significant increases in idle temperatures may indicate an issue.

Troubleshooting

If you encounter issues with your ID-COOLING FX360 TD, refer to the following common troubleshooting steps:

- **No Power/Fans Not Spinning:** Check all power connections to the pump and fans. Ensure they are securely plugged into the correct motherboard headers. Verify power supply connections.
- **High CPU Temperatures:**
  - Ensure the pump is running (you may feel a slight vibration or hear a faint hum).
  - Verify that the pump head is securely mounted to the CPU and thermal paste was applied correctly.
  - Check for obstructions to airflow through the radiator.
  - Confirm fan orientation for proper airflow (typically pushing air through the radiator).
- **Temperature Display Not Working:** Ensure the display's power and data cables are correctly connected to the motherboard. Check for any software requirements from ID-COOLING for display functionality.
- **ARGB Lighting Not Working/Incorrect:** Verify ARGB cable connections to the motherboard's 5V 3-pin header. Ensure your motherboard's ARGB software is installed and configured correctly.
- **Unusual Noises:** A slight hum from the pump is normal. Excessive gurgling or grinding noises may indicate air in the loop or a pump issue. Ensure the radiator is mounted higher than the pump if possible to allow air to collect in the radiator.

Specifications

Brand	ID-COOLING
Model Number	FX360 TD
Cooling Method	Liquid
Compatible Devices	Desktop CPUs (Intel LGA1851/1700/1200/115x, AMD AM5/AM4)
Radiator Material	Aluminum
Cold Plate Material	Copper
Noise Level (Max)	27.2 Decibels (Fans)
Power Connector Type	4-Pin (Pump), 4-Pin (Fans)
Pump Speed	Up to 2,900 RPM (±10%)
Fan Dimensions	120 x 120 x 25 mm
Fan Airflow (Max)	58 CFM

Fan Static Pressure (Max)	1.94 mmH2O
TDP Support	Up to 350W

Figure 8: High-efficiency radiator design for superior heat dissipation.

Figure 9: The pump's internal structure, featuring a micro-channel cold plate and high-flow design.

Warranty and Support

ID-COOLING products are manufactured to high standards and come with a limited warranty. 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, product inquiries, or warranty claims, please contact ID-COOLING customer service through their official channels.

Note: Keep your purchase receipt as proof of purchase for warranty purposes.