ID-COOLING FX360 TD

ID-COOLING FX360 TD CPU Liquid Cooler Instruction Manual

Model: FX360 TD

1. Product Overview

The ID-COOLING FX360 TD is an all-in-one (AIO) liquid CPU cooler designed for high-performance thermal management. It features an integrated real-time CPU temperature display and an Addressable RGB (ARGB) lighting ring on the pump head, enhancing both functionality and aesthetics for your PC build.

Equipped with a 396 x 120 x 27 mm aluminum radiator and three 120 mm AS-120-ARGB V2 fans, this cooler is engineered to handle CPUs with thermal design power (TDP) up to 350W. The pump incorporates a ceramic bearing for durability and operates at up to 2,900 RPM with a low noise level. The fans deliver high airflow while maintaining quiet operation.

The FX360 TD offers broad compatibility, supporting the latest Intel sockets (LGA1851, LGA1700, LGA1200, LGA115x) and AMD sockets (AM5, AM4). Its premium construction includes a copper cold plate for efficient heat transfer and braided sleeved tubing for enhanced longevity.

Image 1.1: The ID-COOLING FX360 TD CPU Liquid Cooler, showcasing its integrated ARGB lighting and sleek design.

2. Key Components and Features

2.1 Real-Time CPU Temperature Display and ARGB Lighting

The pump head features a built-in LCD that provides real-time CPU temperature readings. This display is encircled by a customizable ARGB lighting ring, allowing for personalized visual effects that can synchronize with your motherboard's ARGB system.

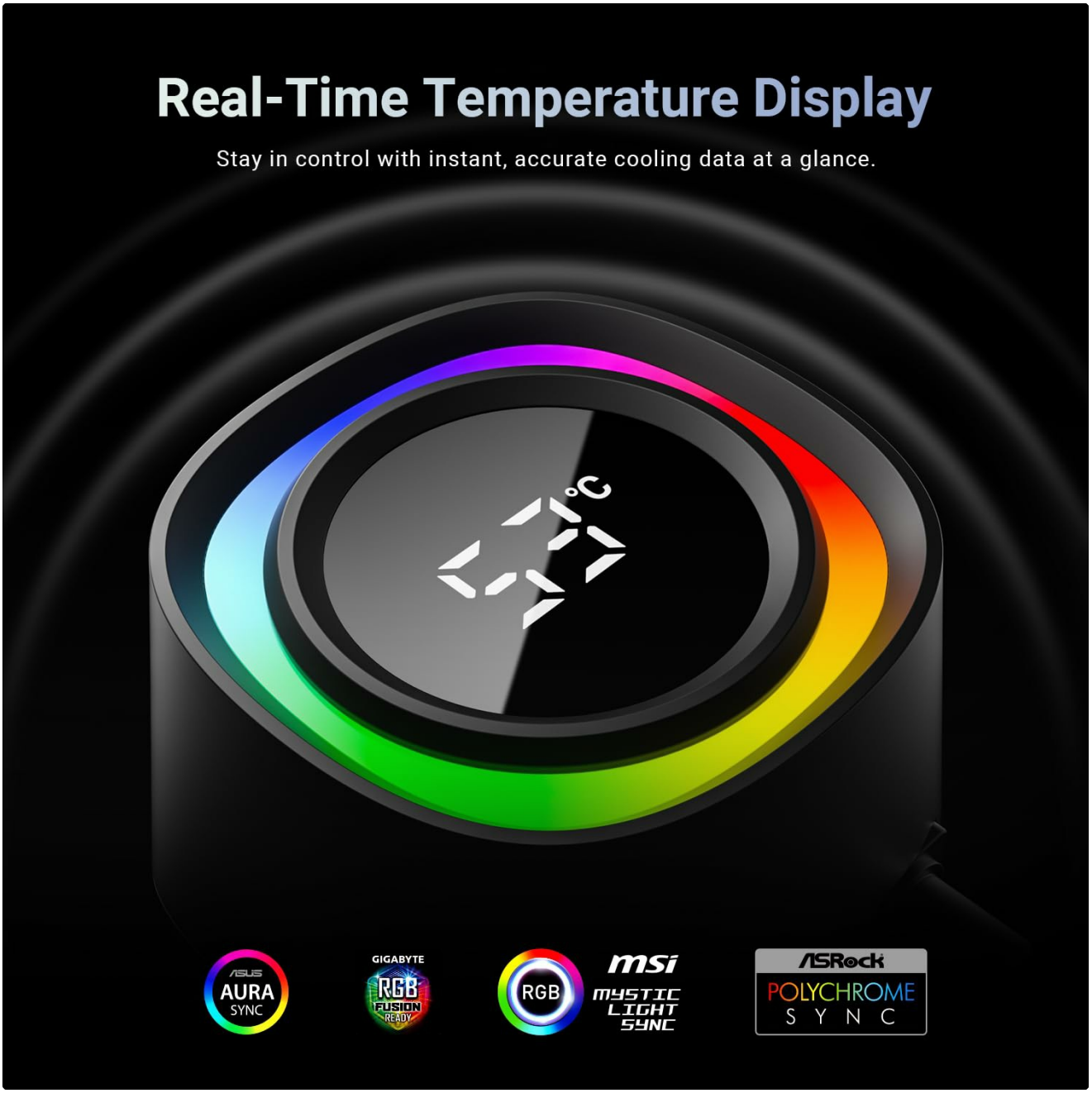

Image 2.1: Close-up view of the FX360 TD pump head, showing the digital CPU temperature display and the surrounding ARGB ring.

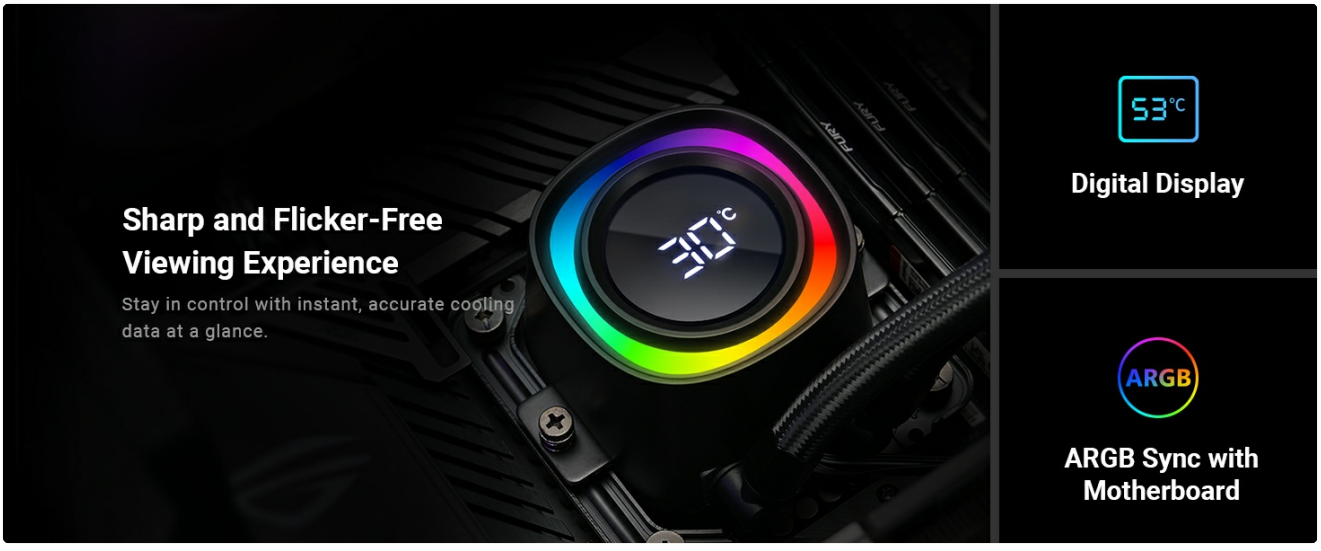

Image 2.2: The digital display on the pump head, highlighting its real-time temperature monitoring and compatibility with various ARGB synchronization technologies.

2.2 High-Performance Radiator and Fans

The 360mm aluminum radiator is designed for maximum surface area to facilitate efficient heat exchange. It is paired with three 120mm AS-120-ARGB V2 fans, which are optimized for high airflow (up to 58 CFM) and static pressure (up to 1.94 mmH2O) while maintaining a low noise profile (max 27.2 dB(A)).

Image 2.3: The high-efficiency aluminum radiator, designed for optimal heat dissipation.

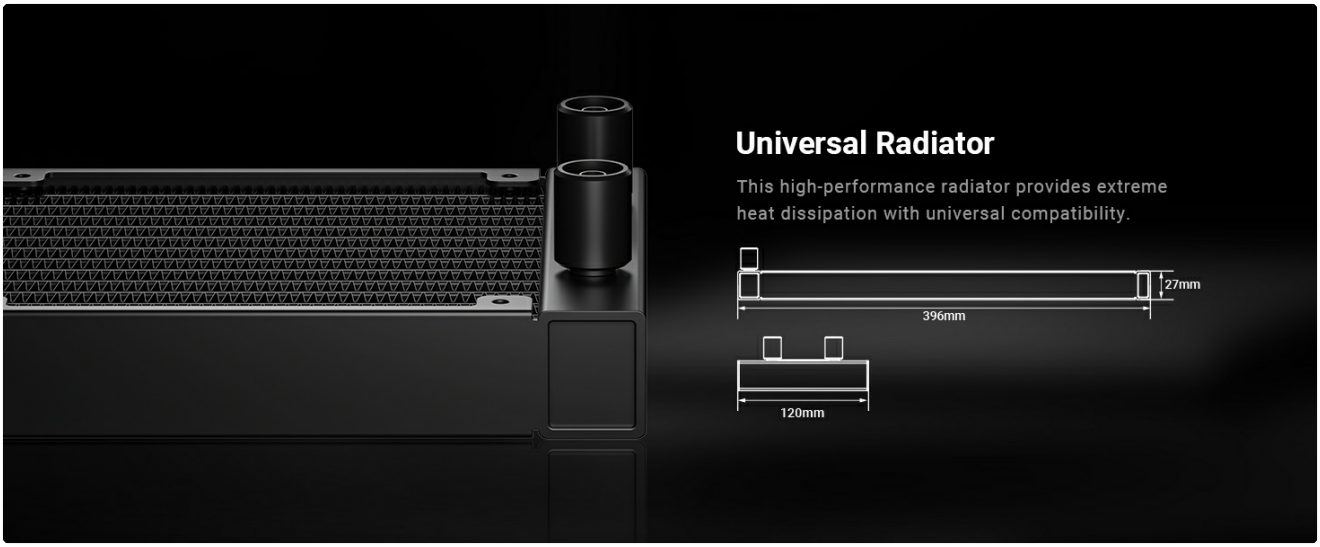

Image 2.4: A diagram illustrating the dimensions of the radiator (396mm x 120mm x 27mm).

Image 2.5: The three included 120mm fans, highlighting their quiet operation and high performance.

2.3 Advanced Pump Design

The pump features a robust ceramic bearing, ensuring a long operational lifespan of approximately 50,000 hours. Its design includes a micro-channel cold plate for rapid heat transfer from the CPU, even under demanding conditions like overclocking.

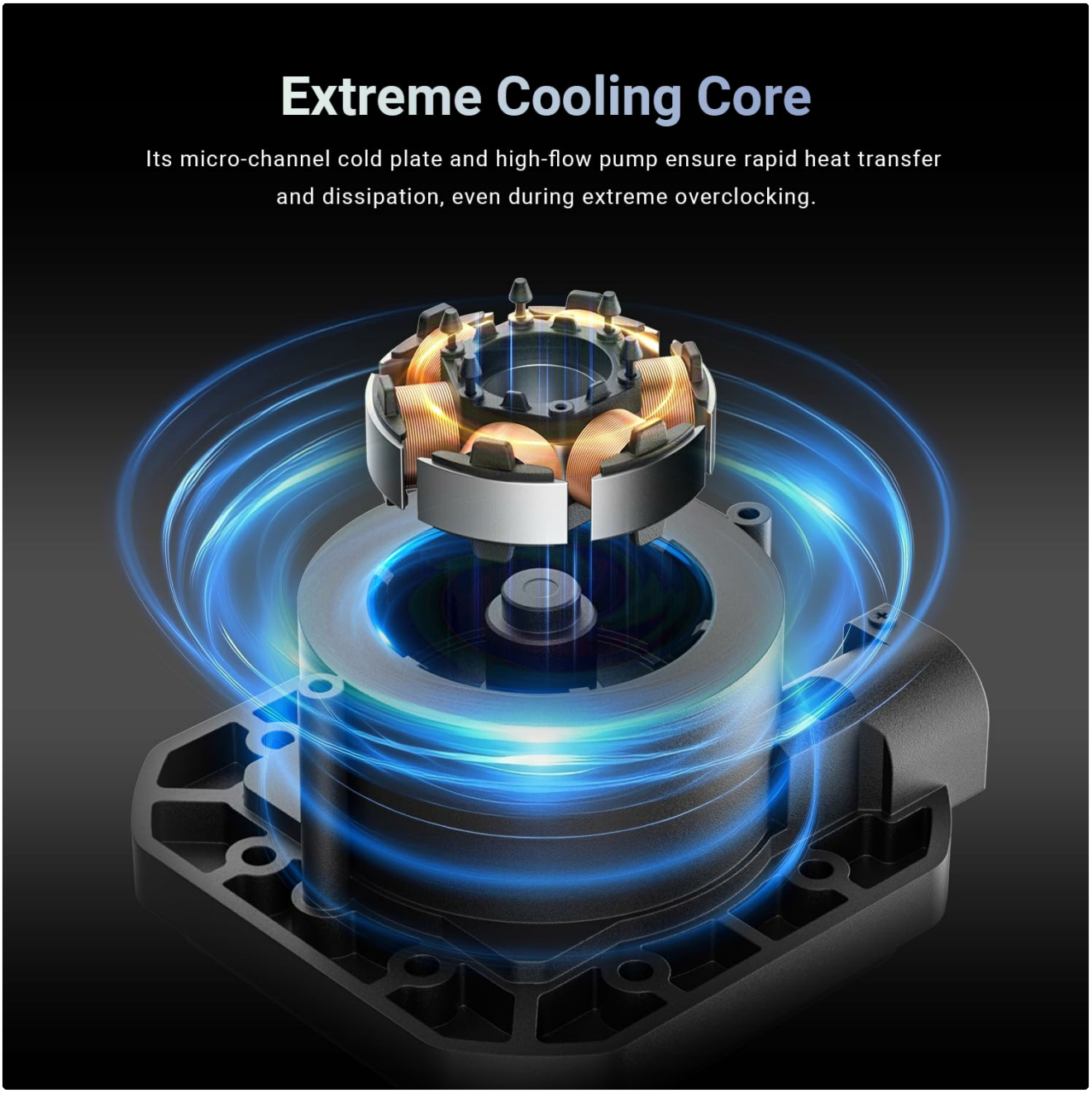

Image 2.6: An internal view of the pump's extreme cooling core, illustrating the micro-channel cold plate for efficient heat transfer.

Image 2.7: An exploded view of the Gen-7 Pro pump, detailing its ceramic bearing and high-flow design.

2.4 Universal Compatibility

The FX360 TD is designed for broad compatibility with a wide range of Intel and AMD CPU sockets, making it suitable for various system builds and upgrades. Supported sockets include:

- **Intel:** LGA1851, LGA1700, LGA1200, LGA115x (LGA1150, LGA1151, LGA1155, LGA1156)
- **AMD:** AM5, AM4

3. Installation Guide

3.1 Pre-Installation Checklist

Before beginning installation, ensure you have the following:

- The ID-COOLING FX360 TD liquid cooler and all included mounting hardware.
- Your motherboard and CPU installed in the PC case.
- Sufficient clearance in your PC case for a 360mm radiator and three 120mm fans.
- Basic tools (screwdriver, etc.).

3.2 Mounting Hardware Overview

The cooler includes universal brackets and hardware for both Intel and AMD platforms. Familiarize yourself with the components specific to your CPU socket type.

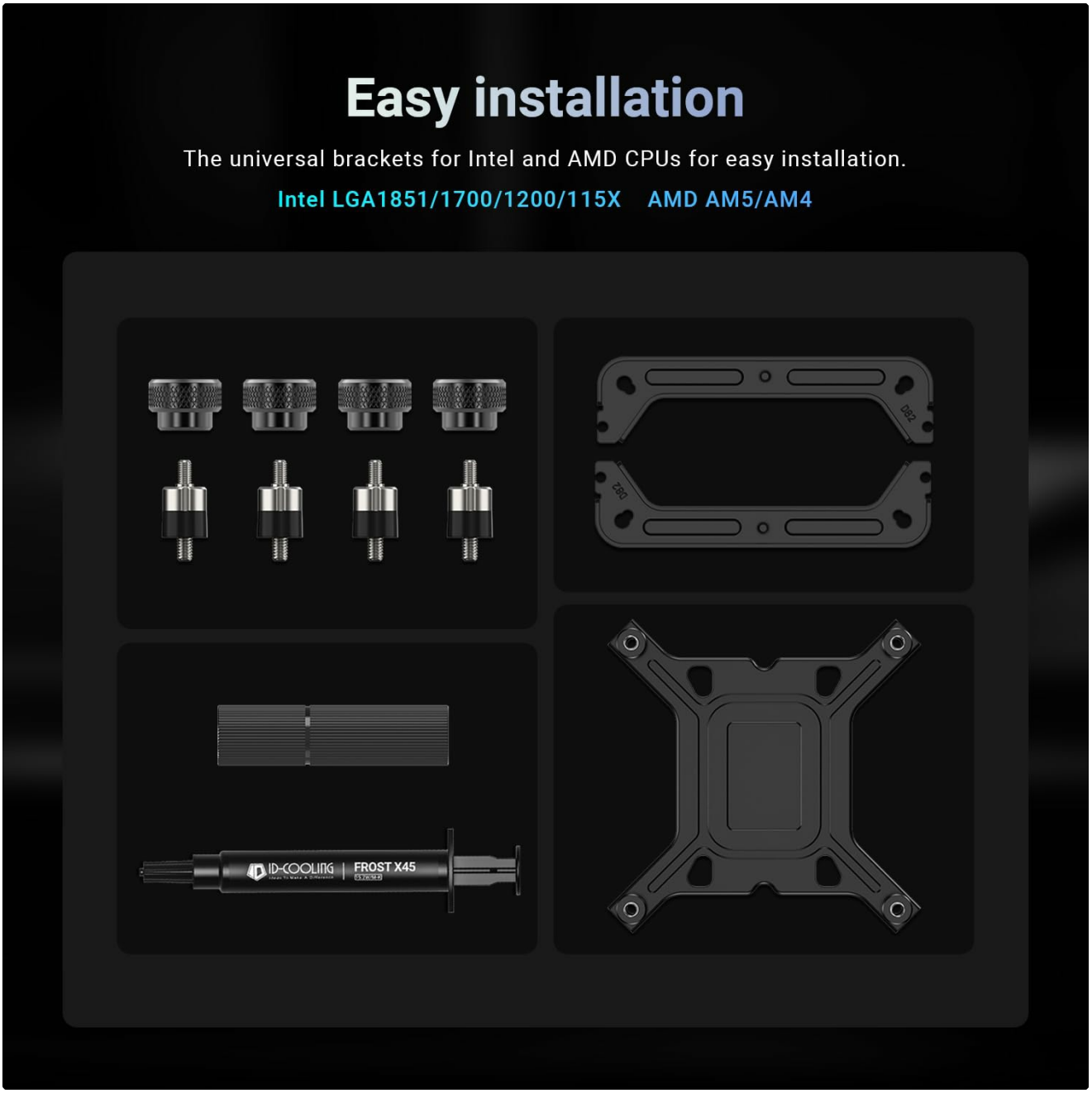

Image 3.1: A comprehensive view of the mounting hardware provided for various Intel and AMD CPU sockets.

3.3 Step-by-Step Installation

1. **Prepare Motherboard:** Install the appropriate backplate (if required for your socket) and standoffs onto your motherboard.
2. **Apply Thermal Paste:** Apply a small amount of the included ID-COOLING FROST X45 thermal paste onto the center of your CPU's integrated heat spreader (IHS).

Image 3.2: The ID-COOLING FROST X45 thermal paste, designed to maximize heat transfer between the CPU and cooler.

3. **Mount Pump:** Carefully place the pump head onto the CPU, aligning it with the standoffs. Secure it with the provided thumb screws or nuts, tightening in a cross pattern until snug.
4. **Install Radiator and Fans:** Mount the radiator to an available fan mounting location in your PC case (typically top or front). Attach the three 120mm fans to the radiator, ensuring correct airflow direction (usually pushing air through the radiator).
5. **Connect Cables:** Connect the pump power cable, fan power cables, and ARGB cables to the appropriate headers on your motherboard or ARGB controller. Ensure the pump's LCD display cable is also connected.

3.4 Video Installation Overview

For a visual guide to the installation process and product features, please refer to the official overview video below.

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Video 3.1: Official overview video demonstrating the ID-COOLING FX360 TD CPU Liquid Cooler and its features, including installation highlights.

4. Operation

4.1 Initial Power-On

Upon powering on your system, the pump and fans of the FX360 TD will begin operation. The integrated LCD on the pump head should illuminate and display the real-time CPU temperature. The ARGB lighting will activate, typically defaulting to a rainbow effect or a setting determined by your motherboard's ARGB controller.

Image 4.1: The FX360 TD cooler installed in a PC system, demonstrating the active temperature display and synchronized ARGB fans.

4.2 Software Control

To fully utilize the features of the FX360 TD, including customizing ARGB lighting effects and potentially monitoring other system parameters, it is recommended to install the official ID-COOLING software. This software allows for advanced control and synchronization of the cooler's functions.

Image 4.2: A screenshot of the ID-COOLING software, showing its interface for monitoring CPU temperature and other system metrics.

5. Maintenance

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

- **Dust Cleaning:** Periodically inspect the radiator fins and fan blades for dust accumulation. Use compressed air or a soft brush to gently remove dust, ensuring unobstructed airflow.
- **Cable Management:** Ensure all cables are neatly routed and not interfering with fan operation or other components.
- **Leak Inspection:** While AIO coolers are sealed systems, it is good practice to occasionally check for any signs of leakage around the pump, tubing, and radiator connections.

6. Troubleshooting

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

6.1 No Power or Fans Not Spinning

- Verify that the pump power cable and fan power cables are securely connected to the correct headers on your motherboard.
- Check your motherboard's BIOS/UEFI settings to ensure fan headers are configured correctly and not set to 'off' or a very low RPM.

6.2 High CPU Temperatures

- Ensure the pump head is securely mounted to the CPU and making good contact. Re-tighten mounting screws if necessary.
- Confirm that thermal paste was applied correctly and evenly. Reapply if needed.
- Check fan orientation on the radiator to ensure they are pushing or pulling air in the desired direction for optimal cooling within your case.
- Verify that the pump is operating (you may feel a slight vibration or hear a faint hum).

6.3 LCD Not Displaying Temperature or ARGB Not Working

- Ensure all ARGB and LCD display cables are correctly connected to the motherboard or an ARGB controller.

- Install the latest ID-COOLING software and motherboard ARGB software/drivers.
- Check for any loose connections or damaged cables.

7. Technical Specifications

Feature	Specification
Brand	ID-COOLING
Model Number	FX360 TD
Cooling Method	Liquid
Compatible Devices	Desktop (Intel LGA1851/1700/1200/115x, AMD AM5/AM4)
Radiator Dimensions	396 x 120 x 27 mm
Radiator Material	Aluminum
Pump Speed	2900 RPM (±10%)
Pump Noise Level	~25 dB(A)
Fan Dimensions	120 x 120 x 25 mm
Fan Airflow	58 CFM (Max)
Fan Static Pressure	1.94 mmH2O (Max)
Fan Noise Level	27.2 dB(A) (Max)
Power Connector Type	4-Pin
Wattage (TDP)	350 watts
Item Weight	3.5 pounds

8. Warranty and Support

For warranty information, technical support, or service inquiries regarding your ID-COOLING FX360 TD CPU Liquid Cooler, please refer to the official ID-COOLING website or contact their customer support directly. Keep your proof of purchase for warranty claims.