Thermaltake CLP0556-D

Thermaltake Gravity i2 CPU Cooler CLP0556-D Instruction Manual

Model: CLP0556-D

Introduction

The Thermaltake Gravity i2 CPU Cooler (CLP0556-D) is designed to provide an efficient and quiet cooling solution for low-power Intel processors. It features a compact, low-profile design with a 92mm fan and aluminum heatsink, ensuring proper clearance and easy installation. This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your Gravity i2 CPU cooler.

Package Contents

Before proceeding with installation, please verify that all components are present:

- Thermaltake Gravity i2 Air Cooler
- Mounting Brackets
- Mounting Screws
- User Manual (this document)

Key Features

- **Intel LGA Compatibility:** Supports Intel LGA 1200, 1156, 1155, 1150, and 1151 sockets.
- **Low Profile Design:** Ensures compatibility with various PC cases.
- **Optimized for Low Power CPUs:** Efficient cooling for processors up to 95W TDP.
- **7-Bladed Low Noise Fan:** A 92mm fan designed for effective airflow (31.343 CFM) with minimal noise (21.3 dB).
- **Aluminum Extrusion Heatsink:** Provides excellent heat dissipation.
- **Quick and Easy Installation:** Designed for straightforward mounting.

Setup and Installation

Follow these steps to install your Thermaltake Gravity i2 CPU Cooler:

1. **Prepare the Motherboard:** Ensure your motherboard is compatible with the supported Intel LGA sockets (1200/1156/1155/1150/1151). If replacing an existing cooler, carefully remove it and clean any old thermal paste from the CPU surface using isopropyl alcohol.
2. **Install the Backplate:** Position the provided backplate on the rear side of your motherboard, aligning the holes with the CPU socket mounting points. This cooler utilizes a backplate for a more secure mount than traditional push-pin designs.
3. **Apply Thermal Paste:** The Gravity i2 cooler comes with pre-applied thermal paste. If you prefer to use your own or if the pre-applied paste is damaged, apply a small, pea-sized amount of thermal paste to the center of your CPU's integrated heat spreader (IHS).
4. **Mount the Cooler:** Carefully place the CPU cooler onto the CPU, aligning the mounting screws with the holes on the motherboard. Gently press down and tighten the screws in a diagonal pattern (e.g., top-left, bottom-right, top-right, bottom-left) until snug. Do not overtighten.
5. **Connect the Fan Cable:** Locate the 3-pin fan header on your motherboard (usually labeled 'CPU_FAN') and connect the cooler's fan cable to it.

Figure 1: The black backplate for Intel LGA 1156, 1155, 1150, and 1151 CPU sockets, used for secure cooler mounting.

Figure 2: An overhead view of the Thermaltake Gravity i2 CPU cooler, highlighting its 7-bladed 92mm fan designed for efficient cooling and low noise operation.

Operating Instructions

Once installed, the Thermaltake Gravity i2 CPU Cooler operates automatically, regulating fan speed based on CPU temperature. Ensure your system's BIOS/UEFI settings for the CPU fan are set to a standard or automatic profile for optimal performance and noise control.

- The 3-pin connector provides constant power to the fan.
- The fan speed is rated at a maximum of 2500 RPM.
- The cooler is designed to maintain CPU temperatures within safe operating limits for processors up to 95W TDP.

Figure 3: An angled view of the Thermaltake Gravity i2 CPU cooler, showcasing the fan and aluminum heatsink fins.

Maintenance

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

- **Dust Cleaning:** Periodically (every 3-6 months, or as needed), use compressed air to gently clean dust from the heatsink fins and fan blades. Ensure the fan is not spinning rapidly during cleaning to prevent damage to the bearings.
- **Thermal Paste:** The thermal paste typically lasts for several years. If you notice a significant increase in CPU temperatures, consider reapplying fresh thermal paste. This involves carefully removing the cooler, cleaning both the CPU and cooler base, and applying new thermal paste.
- **Fan Inspection:** Check the fan for any obstructions or unusual noises. If the fan becomes excessively noisy or stops spinning, it may need replacement.

Figure 4: A side view of the Thermaltake Gravity i2 heatsink, illustrating the aluminum extrusion design for effective heat dissipation up to 95W.

Troubleshooting

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

- **High CPU Temperatures:**
  - Ensure the cooler is securely mounted and making good contact with the CPU.
  - Verify that thermal paste was applied correctly and is not dried out.
  - Check for excessive dust buildup on the heatsink fins and fan.
  - Confirm that the fan is spinning.
  - Ensure adequate airflow within your PC case.
- **Fan Not Spinning:**
  - Check if the 3-pin fan cable is securely connected to the 'CPU_FAN' header on the motherboard.
  - Inspect the fan cable for any damage.
  - Verify that the 'CPU_FAN' header is enabled in your motherboard's BIOS/UEFI settings.
- **Excessive Fan Noise:**

- Ensure no cables or obstructions are hitting the fan blades.
- Clean any dust from the fan blades.
- If the noise persists and is a grinding or rattling sound, the fan bearings may be worn, and the fan may need replacement.

Specifications

Feature	Specification
Model Number	CLP0556-D
Brand	Thermaltake
Product Dimensions (LxWxH)	4.25" x 4.25" x 4" (10.8 x 10.8 x 10.16 cm)
Item Weight	11.4 ounces (323 grams)
Material	Aluminum
Cooling Method	Air (Fan)
Fan Size	92mm
Maximum Rotational Speed	2500 RPM
Air Flow Capacity	31.343 CFM
Noise Level	21.3 Decibels
Wattage	95 watts (TDP)
Voltage	12 Volts
Power Connector Type	3-Pin
Compatible Devices	Desktop
Compatible Intel LGA Sockets	1200, 1156, 1155, 1150, 1151

Warranty and Support

The Thermaltake Gravity i2 CPU Cooler (CLP0556-D) comes with a**2-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
For technical support, warranty claims, or further assistance, please visit the official Thermaltake website or contact their customer service department. Keep your proof of purchase for warranty validation.