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› QUETTERLEE CPU Cooling Fan Instruction Manual for Intel LGA 115x Series (Model QU 1151 FAN)

## QUETTERLEE QU 1151 FAN

# QUETTERLEE CPU Cooling Fan Instruction Manual

Model: QU 1151 FAN

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## 1. INTRODUCTION

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This manual provides essential instructions for the installation, operation, and maintenance of your QUETTERLEE CPU Cooling Fan. This fan is designed to effectively dissipate heat from your Intel i3/i5/i7 processor, ensuring stable and efficient computer performance. Please read this manual thoroughly before installation and use.



Figure 1: Top view of the QUETTERLEE CPU Cooling Fan.

## 2. SAFETY INFORMATION

Always observe the following safety precautions to prevent damage to the product or injury:

- Ensure your computer is powered off and unplugged from the wall outlet before installation or maintenance.
- Discharge any static electricity from your body before handling internal computer components.
- Handle the fan and heatsink carefully to avoid bending fins or damaging the fan blades.
- Do not attempt to modify the product. Unauthorized modifications may void the warranty and pose safety risks.
- Keep out of reach of children.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1x QUETTERLEE CPU Cooling Fan with Heatsink
- Pre-applied Thermal Paste (on heatsink base)



Figure 2: Side view of the CPU Cooling Fan, highlighting the heatsink fins.

#### 4. SPECIFICATIONS

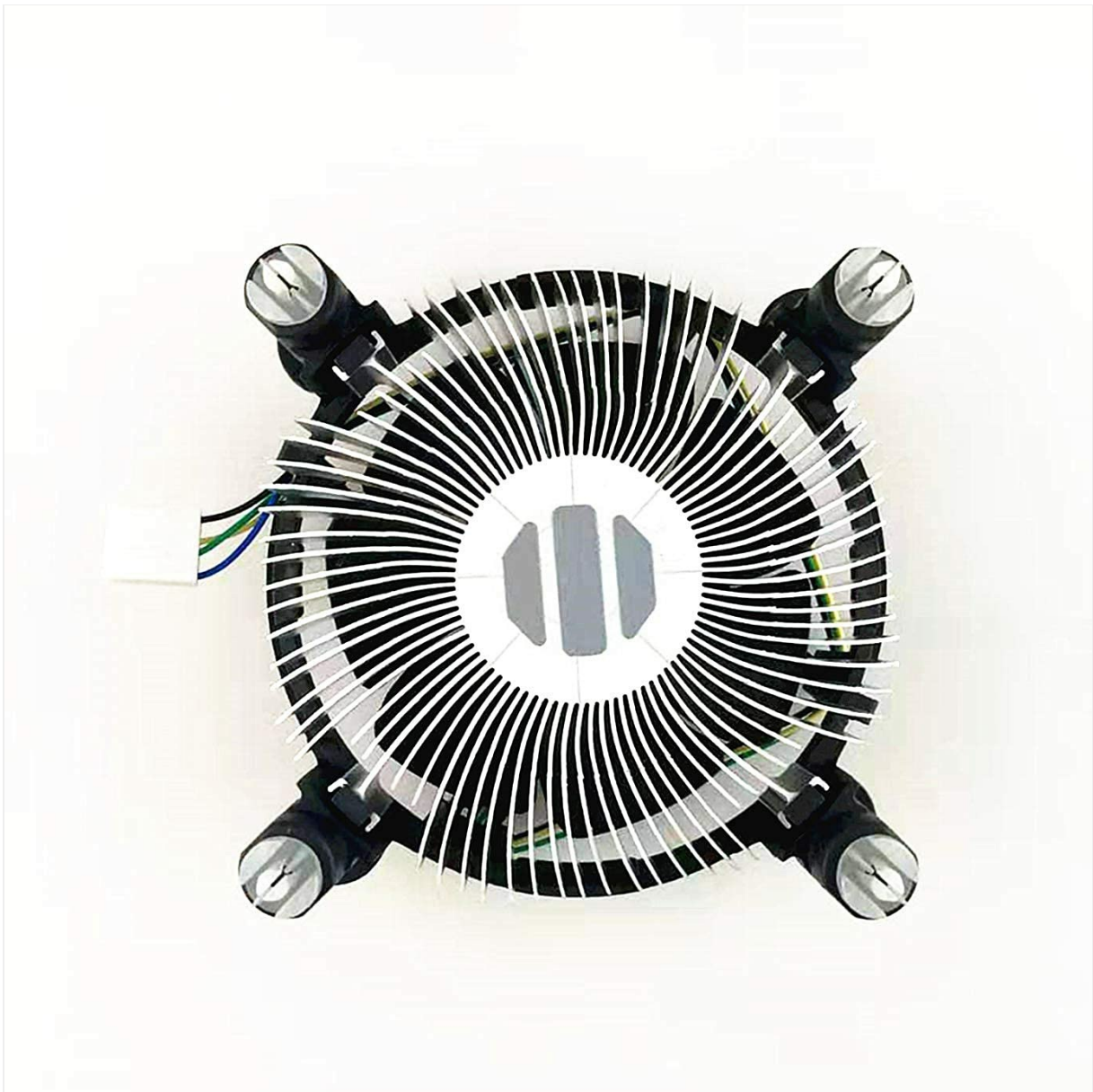
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Feature	Specification
Brand	QUETTERLEE
Model Number	QU 1151 FAN
Compatible CPU Sockets	Intel LGA 115x (1150, 1151, 1155, 1156)
Compatible CPU Series	Intel i3/i5/i7, X3430-X3480 Series, E97379-003, E97379-001, C25704-002, D34223-001, D75716-001, D37017-002, D95263-001, E18764-001, E33681-001, E97375-001, E97378-001, CNDP751K50, DTC-DAB16
Power Connector	4-Pin
Voltage	12 Volts
Cooling Method	Air
Noise Level	25 Decibels
Material	Plastic (Fan), Aluminum (Heatsink)
Maximum Rotational Speed	5500 RPM
Dimensions (Package)	4.8 x 4.8 x 3.1 inches
Weight (Package)	8.01 ounces

## 5. SETUP AND INSTALLATION

Follow these steps to install your QUETTERLEE CPU Cooling Fan:

- Preparation:** Power off your computer and unplug it from the power source. Open your computer case to access the motherboard and CPU socket.
- Remove Old Cooler (if applicable):** If replacing an existing cooler, carefully remove it. Clean any old thermal paste from the CPU surface using isopropyl alcohol and a lint-free cloth.
- CPU Preparation:** Ensure your CPU is correctly seated in the LGA 115x socket. The QUETTERLEE fan comes with pre-applied thermal paste, so additional application is not typically required.
- Position the Cooler:** Align the four mounting pins on the heatsink with the corresponding holes around the CPU socket on the motherboard.
- Secure the Cooler:** Press down on each of the four push-pins in a diagonal pattern until they click into place. Ensure all four pins are securely fastened. Gently tug on the cooler to confirm it is firmly attached and does not wobble.



*Figure 3: Bottom view of the CPU fan, showing the heatsink base with pre-applied thermal paste and mounting pins.*

6. **Connect Fan Cable:** Locate the 4-pin CPU fan header on your motherboard. Carefully connect the fan's 4-pin connector to this header. Ensure the connector is oriented correctly.
7. **Final Checks:** Double-check all connections and ensure no cables are obstructing the fan blades or other components. Close your computer case.
8. **Power On:** Reconnect the power cable and power on your computer. Monitor CPU temperatures during initial use to confirm proper cooling.

## 6. OPERATING INSTRUCTIONS

The QUETTERLEE CPU Cooling Fan operates automatically once connected to the motherboard's 4-pin CPU fan header. The motherboard will control the fan speed based on the CPU temperature, ensuring optimal cooling performance and minimizing noise when the system is idle. The 4-pin connector allows for Pulse Width Modulation (PWM) control, enabling precise fan speed adjustments.

### Cooling Principle Overview

The video below illustrates the general principle of CPU cooling and the importance of effective heat dissipation for system stability.

Your browser does not support the video tag.

*Video: An animation demonstrating the effects of overheating on a computer and how cooling solutions help maintain optimal temperatures.*

## 7. MAINTENANCE

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Regular maintenance helps ensure the longevity and optimal performance of your CPU cooling fan:

- **Dust Removal:** Periodically (every 3-6 months, depending on environment) power off and unplug your computer. Open the case and use compressed air to gently blow dust out of the heatsink fins and fan blades. Hold the fan blades to prevent them from spinning excessively during cleaning.
- **Thermal Paste:** The pre-applied thermal paste is designed for long-term use. Reapplication is generally not necessary unless the cooler is removed. If the cooler is removed, clean off old thermal paste from both the CPU and heatsink, and apply a new thin, even layer of high-quality thermal paste before reinstallation.
- **Inspection:** Visually inspect the fan blades for any damage or obstructions. Ensure the fan cable is securely connected.

## 8. TROUBLESHOOTING

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If you encounter issues with your CPU cooling fan, refer to the following common problems and solutions:

- **Fan Not Spinning:**
  - Ensure the 4-pin fan connector is securely plugged into the CPU\_FAN header on the motherboard.
  - Check BIOS/UEFI settings to ensure the CPU fan control is enabled and configured correctly.
  - Verify that no cables or debris are obstructing the fan blades.
- **High CPU Temperatures:**
  - Confirm the heatsink is properly seated and making full contact with the CPU. All four push-pins should be securely locked.
  - Check for excessive dust buildup on the heatsink fins and fan blades, and clean if necessary (refer to Maintenance section).
  - Ensure adequate airflow within your computer case.
  - If the cooler was previously removed, ensure new thermal paste was applied correctly.
- **Unusual Noise from Fan:**
  - Inspect the fan blades for any foreign objects (e.g., loose cables) that might be hitting them.
  - Check if the fan is securely mounted and not vibrating against other components.
  - Excessive dust can sometimes cause imbalance and noise; clean the fan.

## 9. WARRANTY AND SUPPORT

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For warranty information, technical support, or further assistance, please refer to the official QUETTERLEE store or contact their customer service. Keep your purchase receipt as proof of purchase.

Visit the [QUETTERLEE Store](#) for more products and support.