

Intel E97379-003

Intel E97379-003 CPU Cooler Instruction Manual

For Intel Core i3/i5/i7 Processors (Socket 1150/1155/1156)

INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Intel E97379-003 CPU Cooler. This cooler is designed to provide efficient cooling for Intel Core i3, i5, and i7 processors compatible with Socket 1150, 1155, and 1156 motherboards. Please read this manual thoroughly before proceeding with installation.

SETUP AND INSTALLATION

Before installation, ensure your system is powered off and disconnected from the power source. This cooler is compatible with Intel LGA 1150, 1155, and 1156 sockets.

Preparation

- Ensure your motherboard is compatible with LGA 1150/1155/1156 sockets.
- Remove any existing CPU cooler and clean off old thermal paste from the CPU surface using isopropyl alcohol and a lint-free cloth.
- The Intel E97379-003 CPU Cooler comes with thermal paste pre-applied to the heatsink base. Do not add additional thermal paste unless the pre-applied layer is damaged.

Installation Steps

1. **Position the Cooler:** Carefully align the four push-pins on the cooler's base with the four mounting holes around the CPU socket on the motherboard. Ensure the fan cable is oriented towards the CPU_FAN header.
2. **Secure the Push-Pins:** Gently push down on the body of the cooler to engage the clear plastic posts into the motherboard holes. Once the posts are through, firmly push down on the black tops of each push-pin in a diagonal pattern (e.g., top-left, bottom-right, top-right, bottom-left) until you hear a click. This expands the clear plastic barbs, securing the cooler.
3. **Verify Installation:** Gently tug on the cooler to ensure all four pins are securely locked into place and the cooler is firmly seated on the CPU. Improper installation can lead to poor cooling performance.

4. **Connect Fan Cable:** Connect the 4-pin fan connector to the CPU_FAN header on your motherboard. Ensure it is fully seated.

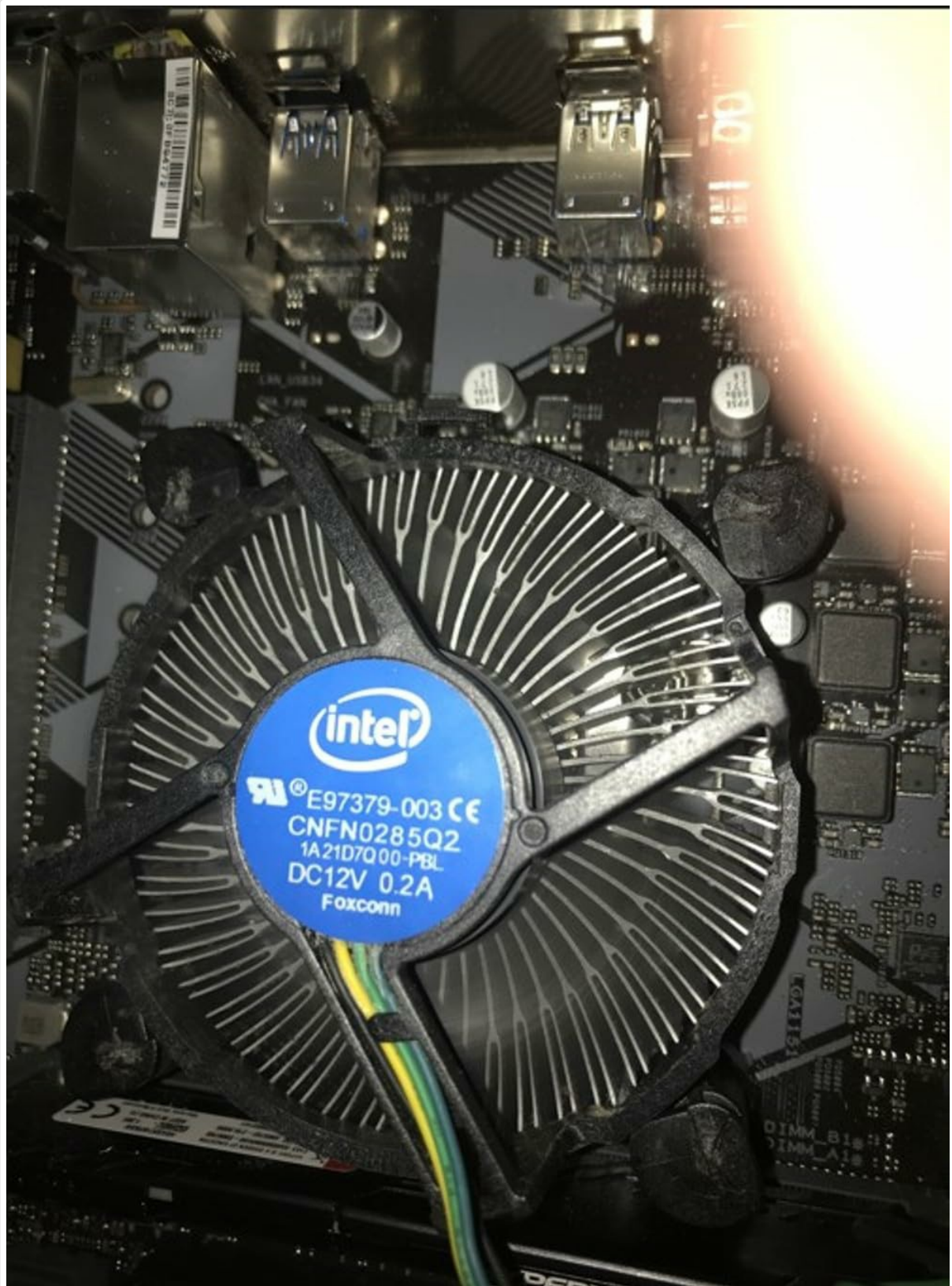


Image: Intel E97379-003 CPU Cooler correctly installed on a motherboard, showing the fan and heatsink assembly.



Image: Bottom view of the Intel E97379-003 CPU Cooler, highlighting the aluminum heatsink fins and the four plastic push-pin mounting mechanisms.

OPERATING INSTRUCTIONS

The Intel E97379-003 CPU Cooler operates automatically once installed and connected to the motherboard's 4-pin CPU_FAN header. The fan speed is controlled by the motherboard's Pulse Width Modulation (PWM) function, which adjusts the fan speed based on the CPU temperature to maintain optimal cooling and minimize noise.

- **Automatic Speed Control:** The fan speed will increase under heavy CPU load and decrease during idle periods.
- **Monitoring:** You can monitor CPU temperatures and fan speeds using motherboard utility software or BIOS/UEFI settings.

MAINTENANCE

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

- **Dust Removal:** Periodically inspect the heatsink fins and fan blades for dust accumulation. Use compressed air to gently blow dust away from the heatsink and fan. Ensure the fan blades do not spin excessively fast during cleaning to prevent damage.
- **Fan Inspection:** Check the fan for any obstructions or signs of wear. Ensure the fan spins freely without unusual noises.
- **Thermal Paste:** The pre-applied thermal paste is designed for long-term use. Reapplication is generally not necessary unless the cooler is removed and reinstalled, in which case the old paste should be cleaned off and new thermal paste applied.

TROUBLESHOOTING

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

- **CPU Overheating:**
 - Verify that all four push-pins are securely locked into the motherboard.
 - Ensure the 4-pin fan connector is properly seated in the CPU_FAN header.
 - Check for excessive dust buildup on the heatsink and fan, and clean if necessary.
 - Confirm that the thermal paste is making good contact between the CPU and heatsink.
- **Fan Not Spinning:**
 - Check the 4-pin fan connection to the motherboard.
 - Enter your motherboard's BIOS/UEFI settings to ensure the CPU_FAN header is enabled and configured correctly.
 - Inspect the fan for any physical obstructions preventing it from spinning.
- **Excessive Fan Noise:**
 - Ensure the cooler is securely mounted and not vibrating against other components.
 - Clean any dust from the fan blades and heatsink.
 - Check for any loose cables or objects interfering with the fan blades.

SPECIFICATIONS

Feature	Detail
Model Number	E97379-003
CPU Socket Compatibility	Intel LGA 1150, 1155, 1156 (Core i3/i5/i7)
Fan Speed	1200 RPM - 2500 RPM
Fan Connector	4-Pin PWM
Acoustical Noise	22 dBA
Rated Voltage	12 VDC
Rated Current	0.28 A
Heatsink Material	Aluminum with Copper Insert
Cooling Method	Air Cooling
Product Dimensions (L x W x H)	4.33" x 4.09" x 2.95" (110mm x 104mm x 75mm)



Image: Front view of the Intel E97379-003 CPU Cooler, showing the fan and heatsink assembly.



Image: Close-up of the Intel E97379-003 CPU Cooler fan label, displaying model number, voltage, and manufacturer details.

WARRANTY INFORMATION

For detailed warranty information regarding your Intel E97379-003 CPU Cooler, please refer to the official Intel website or the warranty documentation included with your product packaging. Warranty terms and conditions may vary by region and retailer.

CUSTOMER SUPPORT

If you require further assistance or have questions not covered in this manual, please visit the official Intel support website or contact Intel customer service. You may also consult your PC manufacturer's support resources if this cooler was part of a pre-built system.

Intel Support Website: <https://www.intel.com/content/www/us/en/support/products/cooling-solutions.html>

