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› TRONWIRE CPU Cooler Instruction Manual

TRONWIRE TRONWIRE 92mm CPU Cooler

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Model: TRONWIRE 92mm CPU Cooler

PRODUCT OVERVIEW

The TRONWIRE CPU Cooler is designed to provide efficient cooling for Intel Core i3, i5, i7, and i9 processors on various sockets including 1200, 1151, 1150, 1155, and 1156. It features a durable aluminum heatsink, a 92mm 4-pin PWM fan for optimized airflow and quiet operation, and comes with pre-applied TRONWIRE thermal paste for convenient installation.

This cooler is an ideal solution for maintaining optimal CPU temperatures in desktop PC computer systems, ensuring stable performance and longevity of your processor.

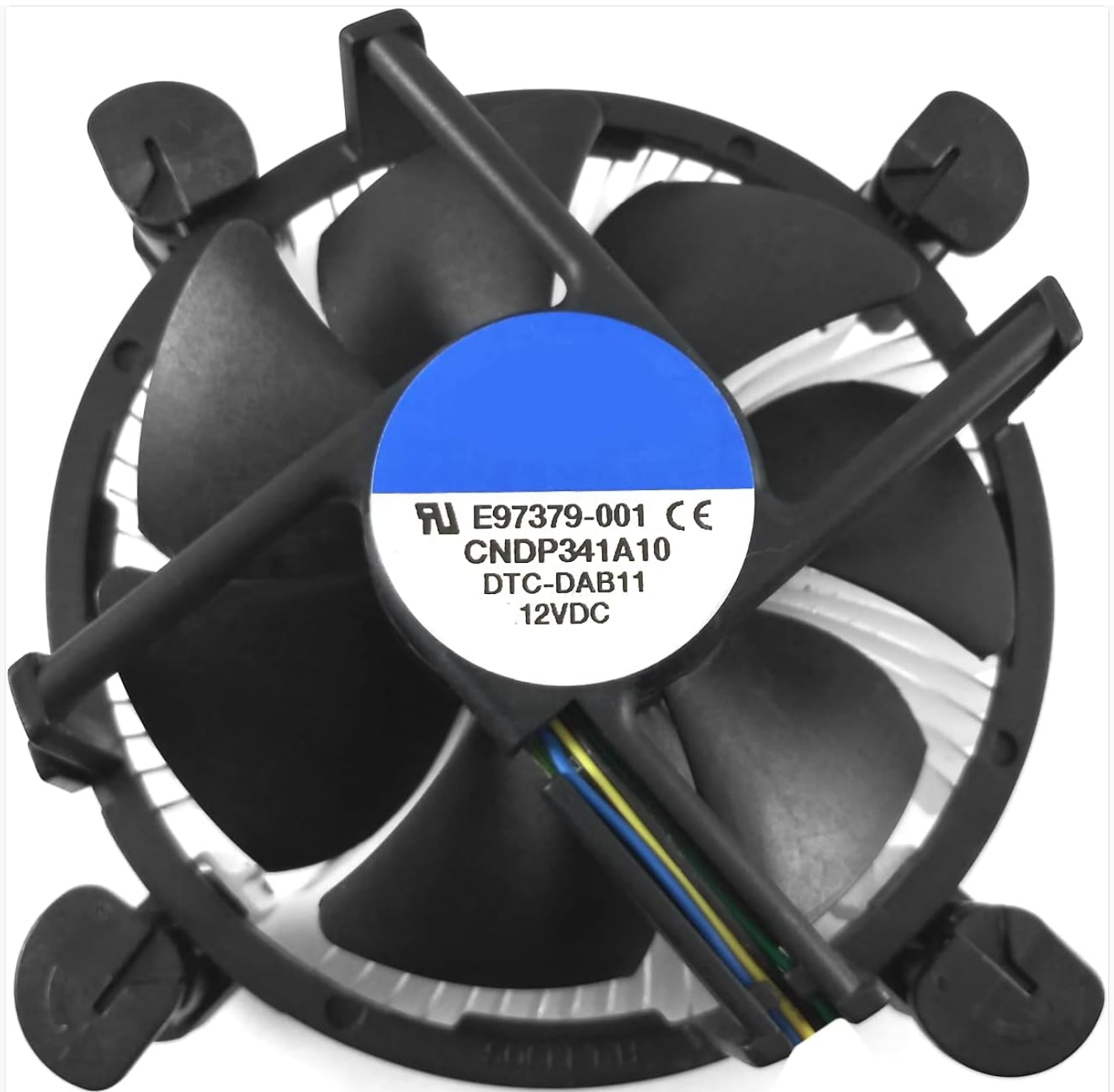


Figure 1: Top-down view of the TRONWIRE CPU Cooler, showing the 92mm fan and blue TRONWIRE label.

SAFETY INFORMATION

- Always disconnect power from your computer before installing or removing any components.
- Handle the CPU cooler and other computer components with care to avoid damage.
- Be aware of static electricity. Consider using an anti-static wrist strap or touching a grounded metal object before handling components.
- Keep small parts away from children.
- Do not attempt to modify the cooler. Unauthorized modifications may void your warranty and pose safety risks.

PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x TRONWIRE CPU Cooler with pre-applied thermal paste and 92mm 4-pin PWM fan

Note: No additional mounting hardware is typically required for compatible Intel sockets as the cooler uses a push-pin mechanism.

INSTALLATION GUIDE

Before You Begin

- Ensure your motherboard socket is compatible (1200, 1151, 1150, 1155, 1156).
- If replacing an old cooler, carefully remove it and clean any old thermal paste from the CPU surface using isopropyl alcohol and a lint-free cloth.
- Ensure the CPU is properly seated in its socket and the retention arm is locked.

Step-by-Step Installation

1. **Prepare the Cooler:** The TRONWIRE CPU Cooler comes with thermal paste pre-applied to its base. Ensure the protective cover (if any) is removed from the base before installation.



Figure 2: Bottom view of the cooler, showing the aluminum heatsink fins and the area where thermal paste is pre-applied.

2. **Position the Cooler:** Carefully align the four push-pins on the cooler's base with the four mounting holes around the CPU socket on your motherboard. Ensure the fan cable is oriented towards the CPU_FAN header on your motherboard.



Figure 3: Angled view of the cooler, highlighting the four black push-pin mounting mechanisms.

3. **Secure the Cooler:** Press down firmly and evenly on each of the four push-pins until they click into place. You should hear a distinct click as each pin locks into the motherboard. Press diagonally (e.g., top-left then bottom-right, then top-right then bottom-left) to ensure even pressure distribution.



Figure 4: Side view of the cooler, illustrating the heatsink fins and the secure attachment of the push-pins to the mounting frame.

4. **Connect the Fan Cable:** Locate the 4-pin CPU_FAN header on your motherboard. Carefully plug the cooler's 4-pin PWM power connector into this header. Ensure it is fully seated.
5. **Final Check:** Gently tug on the cooler to ensure it is securely mounted and does not wobble. Verify the fan cable is not obstructing any other components or fan blades.

OPERATION

Once installed, the TRONWIRE CPU Cooler will automatically begin operating when your computer is powered on. The 4-pin PWM (Pulse Width Modulation) fan allows your motherboard to dynamically control the fan speed based on CPU temperature. This ensures optimal cooling performance while minimizing noise during lighter loads.

You can monitor CPU temperatures and fan speeds using motherboard monitoring software or BIOS/UEFI settings. The fan is designed for quiet operation with a typical noise level of 30 dB.

MAINTENANCE

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

- **Dust Removal:** Periodically (e.g., every 3-6 months), power off your computer and use compressed air to blow dust out of the heatsink fins and fan blades. Hold the fan blades gently to prevent them from spinning rapidly during cleaning, which can damage the fan motor.
- **Thermal Paste:** The pre-applied thermal paste is designed for long-term use. However, if you remove the cooler for any reason, it is recommended to clean off the old thermal paste from both the CPU and the cooler base and apply a fresh layer of high-quality thermal paste before reinstallation.

TROUBLESHOOTING

- **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 header is enabled and not set to a "silent" or "off" mode at low temperatures.
- Inspect the fan blades for any obstructions.

• **High CPU Temperatures:**

- Verify the cooler is securely mounted and all four push-pins are fully locked. A loose cooler will not make proper contact with the CPU.
- Ensure there is adequate airflow within your PC case.
- Check for excessive dust buildup on the heatsink fins and fan. Clean if necessary.
- Confirm the thermal paste is making good contact. If the cooler was removed and reinstalled without new paste, reapply.

• **Excessive Noise:**

- Check for loose cables or other components touching the fan blades.
- Ensure the fan is clean and free of dust buildup.
- If the noise is a grinding sound, the fan bearing may be failing. Contact support if under warranty.

SPECIFICATIONS

Feature	Detail
Brand	TRONWIRE
Compatible Sockets	Intel Socket 1200 / 1151 / 1150 / 1155 / 1156
Compatible Processors	Intel Core i3 / i5 / i7 / i9 series
Cooling Method	Air Cooling
Heatsink Material	Aluminum
Fan Size	92mm
Fan Connector	4-Pin PWM
Voltage	12V DC
Maximum Rotational Speed	2500 RPM
Noise Level	30 dB
Thermal Paste	Pre-applied TRONWIRE thermal paste
Installation Type	Tool-free push pin installation
Item Weight	6.6 ounces
Package Dimensions	4.5 x 4 x 2.5 inches
UPC	664697942403

Feature	Detail
ASIN	B088CYYXTM

WARRANTY AND SUPPORT

For warranty information or technical support regarding your TRONWIRE CPU Cooler, please contact TRONWIRE customer service. You can often find contact details on the product packaging or by visiting the official TRONWIRE brand store on Amazon:

[Visit the TRONWIRE Store on Amazon](#)

Please have your product model and purchase details ready when contacting support.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question