

Intel® Pentium® 4 LGA775

Installation Guide

GH-ESB21-TH

REV.1001
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Checklist



(1) GH-ESB21-TH
Cooler x 1



(2) GH-ESB21-TH
Installation Guide x 1



(3) Grease x 1



(4) Screw x 4

Specification

- Fan Dimension : 92 x 92 x 38 mm
- Heat Sink Dimension : 86 x 123 x 71 mm
- Material : Extrusion Aluminum fin + Copper core
- Fan Speed Control: PWM & Temperature Control
- Connector: 4 pin
- Rated Voltage : 12V
- Rated Current : 1.13Amp (max)
- Airflow : 91.71 CFM (max)
- Bearing type : Two Ball Bearing
- Life Expectancy : 70,000 hr
- Total Weight : 1120 g
- Application : Intel® Pentium® 4 LGA775

Feature

- Supports Intel BTX Type I Cooler (Supports Intel BTX & Micro BTX System)
- Large 5 cm copper core insert. Powerful thermal ability
- Fully compliant with Intel PWM & Temperature Sensor Control thermal functions
- Provide quieter environment & higher performance than box cooler
- Easy and quick installation

Fan Speed Mode					
Air Inlet Temperature	25°C	25°C	25°C	35°C	35°C
PWM Duty Cycle	< 20%	50%	100%	< 20%	100%
Fan Speed (RPM)	900	2350	3500	900	4500
Noise (dBA)	19	35.2	45.9	19	51.2

Precautions



The cooler fan speed levels provided are for reference use only. Please refer to the motherboard BIOS to verify actual fan speed levels.

Before use, please remove the bottom protective layer of the cooler.

Please make sure the computer is turned off and its power disconnected prior to installation.

Warranty Item

<Warranty coverage does not include the following>

Incorrect method of operation or use of product not for intended use.

Operational use beyond the advised standards (eg. overclocking).

Inability to install the product as a result of incompatibility with the motherboard used.

Damage of product as a result of other product components.

Any form of alteration to original product.

A faulty product that leads to harm or damage to other products.

Damage caused by natural disasters (eg. earthquake, fire, flood).

Products with a warranty sticker that is removed, torn or unreadable.

Due to the weight of the cooler exceeding normal standards, please remove the cooler before computer transport to prevent damage to the cooler itself as well as prevent problems during installation.

Installation Instructions for P4 LGA775 & Cooler



Fig.1

Apply an even layer of thermal paste on the surface of the installed CPU.



Fig.2

Install the motherboard in the chassis. Align the GH-ESB21-TH Cooler with the screw holes and place it onto the motherboard.



Before use, please remove the bottom protective layer of the cooler.



Fig.3

Fasten the cooler with screws^(Note). Assure that the cooler is securely attached to the motherboard and chassis.



Fig.4

Finally, please attach the power connector of the cooler to the CPU fan header located on the motherboard.

(Note) The four screws can be screwed as below:

Combination 1: A+C+D+F or Combination 2: B+C+E+F


