

ZM-NB32J

Features

1. ZM-NB32J does not require a fan, thus it does not need to be powered, nor does it create noise or vibration.
2. The northbridge chipset can be cooled down to an optimal temperature without generation of noise.
(Caution : **Zalman is not responsible for any damage to system caused by overclocking.**)

Parts

- 1) One ZM-NB32J Heatsink
- 2) One Supply of Thermal Grease
- 3) Two Thermal Adhesives(A, B)
- 4) Bolts / Nuts / Links / Push Pins / Tapered Springs (Two Each)

Heatsink Specification

- 1) Model: ZM-NB32J
- 2) Dimensions : 37(L) X 37(W) X 32(H) mm
- 3) Material : Aluminium 6063T5
- 4) Weight : 36g

Compatible North Bridge Chipsets

Usable on all brands of northbridge chipsets

notes)

- 1) **Using push pins and thermal grease can lower the chipset's temperature better, so if there are holes around the chipset, use the thermal grease, push pins, bolts, and nuts to attach instead of using the thermal adhesive.**
- 2) **If the heatsink(ZM-NB32J) interferes with some components on the mainboard, do not attach.**

How to Install

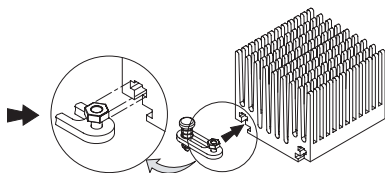
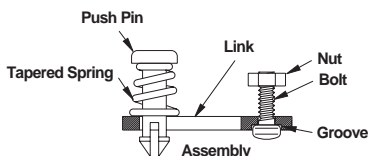
1. Using Thermal Adhesive (No holes around the northbridge chipset)

- 1) Clean off the surfaces of the northbridge chipset and the ZM-NB32J thoroughly.
- 2) Spread the Type A thermal adhesive evenly on the northbridge chipset.
- 3) Then spread the Type B thermal adhesive evenly on the ZM-NB32J's contact surface.
- 4) After pressing the ZM-NB32J onto the northbridge chipset firmly, lay the mainboard evenly for 15 minutes for the adhesive to cure before using the computer.

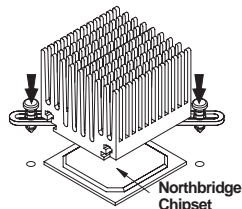
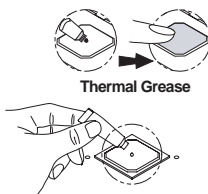
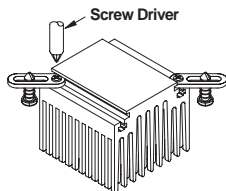
Caution)

- 1) **The heatsink attached with thermal adhesive cannot be removed afterwards.**
- 2) **Attach in well-ventilated place.**
- 3) **Do not let your skin or eyes get in contact with the adhesive. In case of contact, clean off promptly with water, and contact your physician thereafter if it went into your eyes.**

2. Using Push Pins



1. Insert the head of the bolt into the groove under the bolt hole on the link and screw on the nut as shown in the diagram. Then, assemble the push pin and the spring onto the link. (Caution! **The end of the tapered spring having a smaller diameter should be directed to the head of the push pin as shown in Figure.**)
2. Insert the assembly into the groove on the heatsink by the direction of the arrow after adjusting the nut to appropriate height as shown in the diagram.



3. Align the push pins on the assembly with the holes on the mainboard and tighten the bolts so that they won't move.
4. Spread the included thermal grease evenly on the north bridge chipset.
5. Check the push pins to see that there are no problems in installing or removing the heatsink as you install.

Cautions)

Do not let your skin or eyes get in contact with the thermal grease. In case of contact, clean off promptly with water, and contact your physician thereafter if it went into your eyes.

* CNPS stands for Computer Noise Prevention System. It is a registered trademark of Zalman, who developed this concept (a world first).

* The specifications of any product may change without prior notice to improve the performance thereof.