

User's Manual

FX100



Intel Socket LGA 2011 / 1366 / 1156 / 1155 / 775 CPUs

* Optional 92mm fan is required for Intel LGA 2011/1366 sockets.

AMD Socket FM2 / FM1 / AM3+ / AM3 / AM2+ / AM2 CPU&APUs

To ensure safe and easy installation,
please read the following precautions.

www.ZALMAN.com

Ver. 121217

1. Precautions

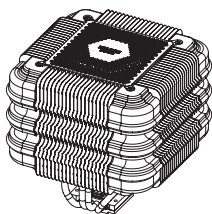
- 1) Do not ingest the Thermal Grease, and avoid its contact with skin and eyes.
If contact is made with skin, wash off with water. If ingested or irritation persists, seek medical attention.
- 2) To prevent possible injuries, gloves must be worn while handling this product.
- 3) Excessive force exerted on the fan may cause damage to the fan and/or system.
- 4) Use and keep product away from reach of children.
- 5) Check the components list and condition of the product before installation.
If any problem is found, contact the retailer to obtain a replacement.
- 6) During transportation of the system, the cooler must be removed. Zalman is not responsible for any damages that occur during the transport of a system.
- 7) Product design and specifications may be revised to improve quality and performance.

Disclaimer) Zalman Tech Co., Ltd. is not responsible for any damages due to external causes, including but not limited to, improper use, problems with electrical power, accident, neglect, alteration, repair, improper installation, or improper testing.

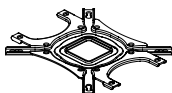
2. Specifications

Spec. \ Model		FX100
Material		Pure Aluminum & Copper
Weight		770g
Dimensions		156(L) x 156(W) x 157(H)mm
Noise Level		0dBA
Thermal Grease [ZM-STG2M]	Capacity	1g
	Temperature Range	-40°C ~ +150°C (-40°F ~ +302°F)

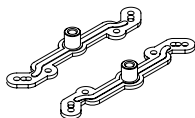
3. Components



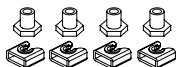
Cooler



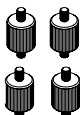
Backplate



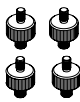
Clip support



Nuts & Side Caps



Nipple A



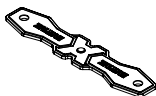
Nipple B



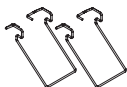
Nuts



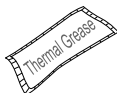
Bolts



Installation Clip



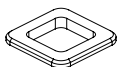
Fan Clip



Thermal Grease



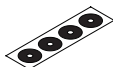
Manual



Loading
Block



Double-sided
Tape



Intel Washer
(0.1mm)



AMD Washer
(1mm)

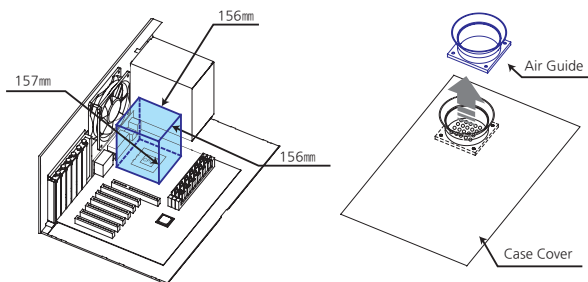
4. Installation Requirements

1) Space Requirements

The cooler's installation requires an unobstructed space of 156mm(width), 156mm(length), and 157mm(height), with the CPU as a central reference point. Please check if components such as ODDs and PSU protrude into the required space.

2) Air Guide Removal

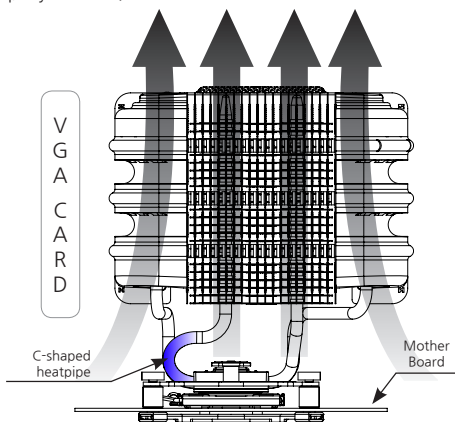
Air guides on enclosures must be removed before the cooler's installation since they protrude into the cooler's required space.



3) Cooler Orientation

Mount the CPU cooler with the C-shaped heatpipe portion facing towards the VGA card (as shown below).

※ There may be clearance issues with the graphics card if the CPU cooler is improperly installed.



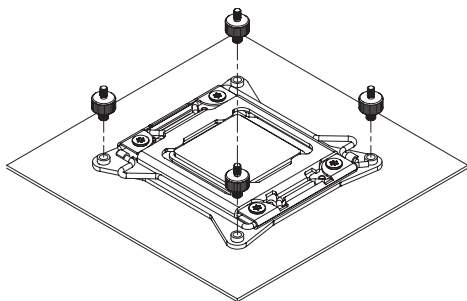
5. Installation

A. Intel Socket Installation

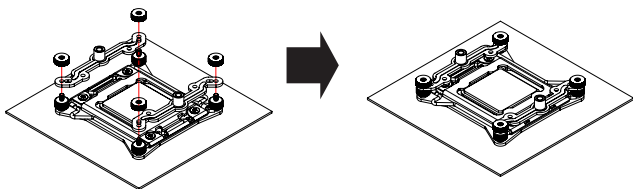
- ※ Make sure to install the Clip Support by following specific instructions based on your CPU socket.
- ※ Optional fan is required for LGA 2011 socket CPUs. (fan sold separately)

1) Intel Socket 2011 Installation

- ① Fasten Nipple B to the clip support's hole on the motherboard.
- ※ Backplate, Loading Block, and Intel's Washers(0.1mm) are not required for LGA 2011 socket CPUs.

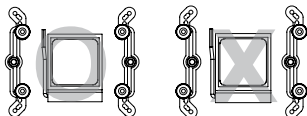


- ② Install the clip support on the motherboard using nuts.



Caution

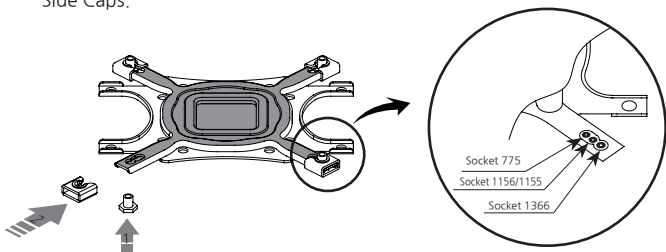
Please make a note of the orientation of the Clip Support.



* Optional fan is required for LGA 1366 socket CPUs. (fan sold separately)

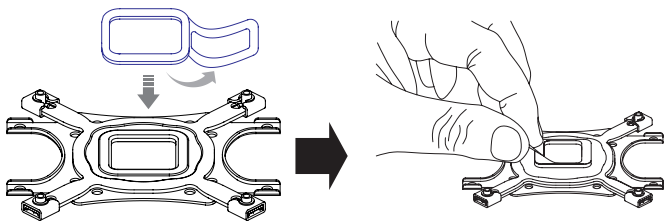
2) Intel Socket LGA 1366/1156/1155 Installation

- ① Install Bolts to the Backplate according to the Socket Type and secure with Side Caps.

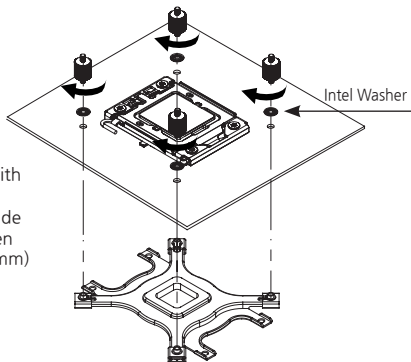


- ② Attach Double-sided Tape to the center of the Backplate and remove the Double-sided Tape's Cover.

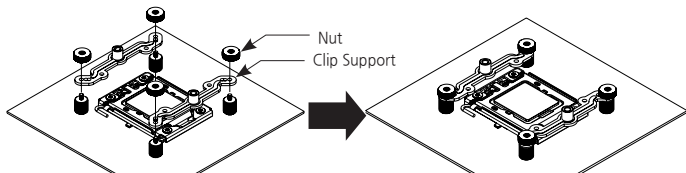
※ Socket LGA 1366/1156/1155 Installation does not require the Loading Block.



- ③ Align the Backplate's nuts with motherboard's clip support holes, attach it to the back side of the motherboard, and then fix it with Intel's washer(0.1mm) and Nipple A.

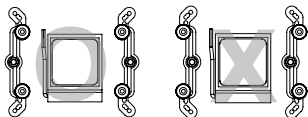


- ④ Install the clip support on the motherboard using nuts.



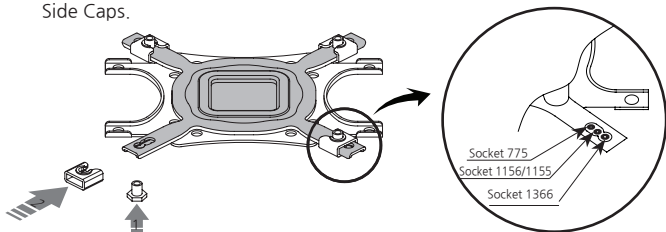
Caution

Please make a note of the orientation of the Clip Support.

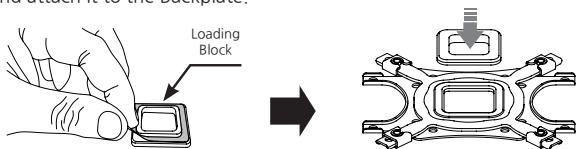


3) Intel Socket 775 Installation

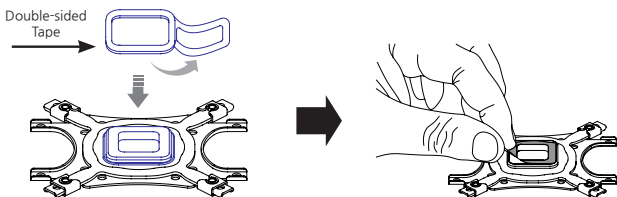
- ① Install Bolts to the Backplate according to the Socket Type and secure with Side Caps.



- ② Remove the Sticker Cover from the Lower Tier of the Loading Block and attach it to the Backplate.



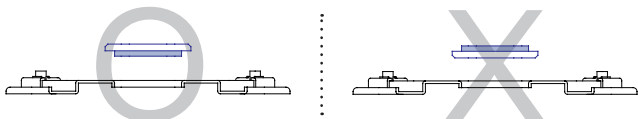
- ③ Attach Double-sided Tape to the Loading Block and remove the Double-sided Tape Cover.



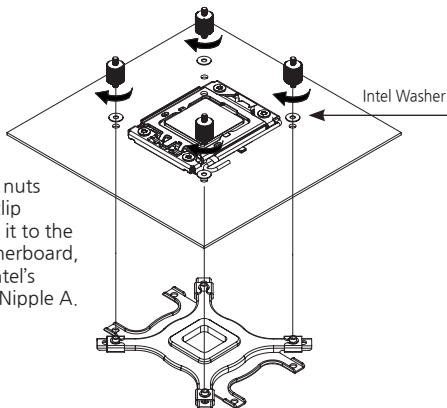


Caution

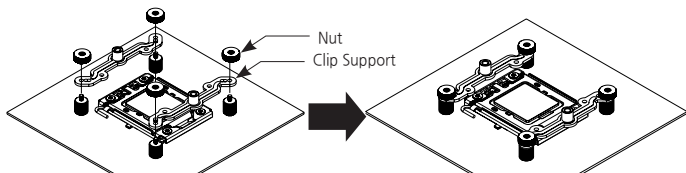
Please make a note of the orientation of the Loading Block.



- ④ Align the Backplate's nuts with motherboard's clip support holes, attach it to the back side of the motherboard, and then fix it with Intel's washer (0.1mm) and Nipple A.

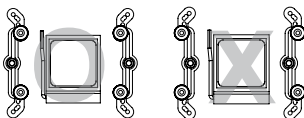


- ⑤ Install the clip support on the motherboard using nuts.



Caution

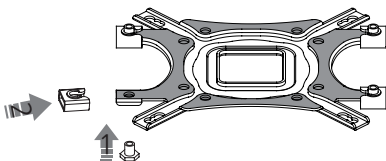
Please make a note of the orientation of the Clip Support.



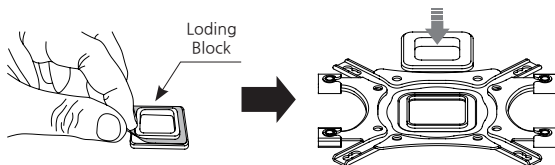
B. AMD Socket Installation

1) AMD Socket FM2/FM1/AM3+/AM3/AM2+/AM2 Installation

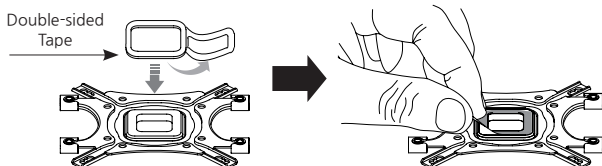
- ① Install Bolts to the Backplate according to the Socket Type and secure with Side Caps.



- ② Remove the Sticker Cover from the Lower Tier of the Loading Block and attach to the Backplate.



- ③ Attach Double-sided Tape to the Loading Block and remove the Double-sided Tape Cover.

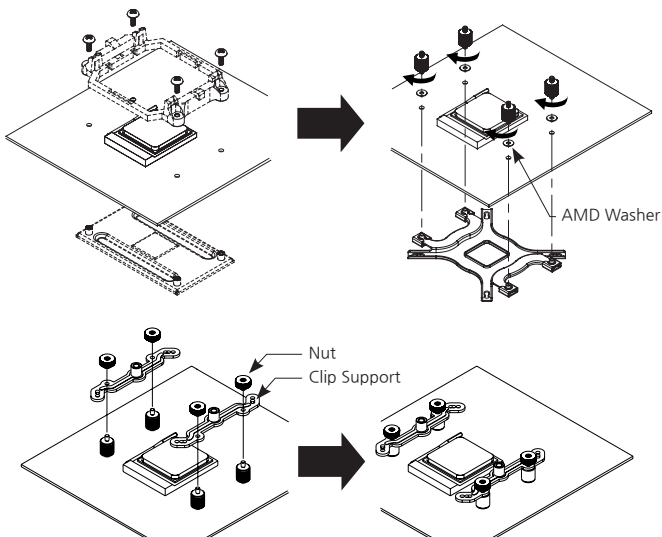


Caution

Please make a note of the orientation of the Loading Block.

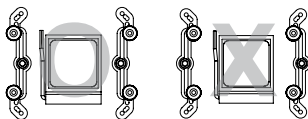


- ④ Take away the fixed Clip support from the motherboard, and then install the included Clip support using Nipple A, AMD's washer(1mm) and nuts.



Caution

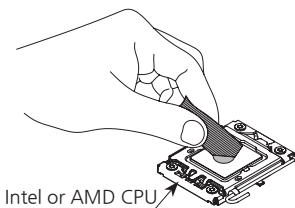
Please make a note of the orientation of the Clip Support.



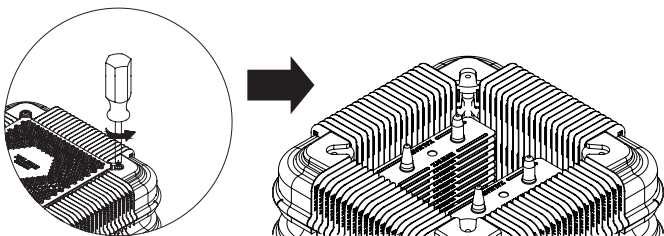
B. Cooler Installation

※After installing the Clip Support, please mount the CPU cooler as following.

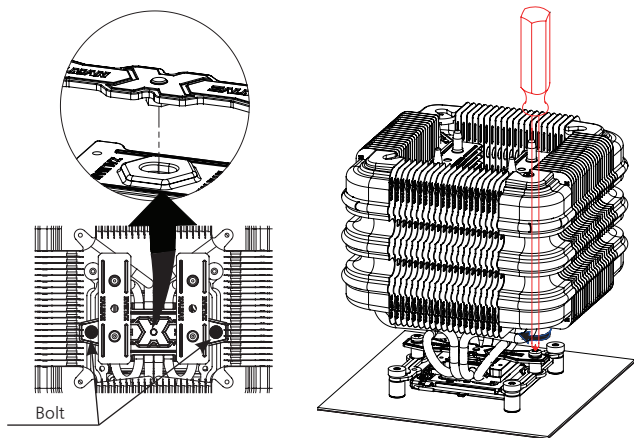
- ① Apply a suitable amount of the included Thermal Grease on the CPU's surface.



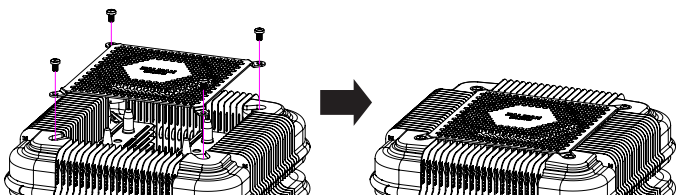
- ② Remove the top cover by unfastening the four screws on each corner.



- ③ Place Installation Clip on top of the base, and secure it by screwing down two bolts on each end of Installation Clip.



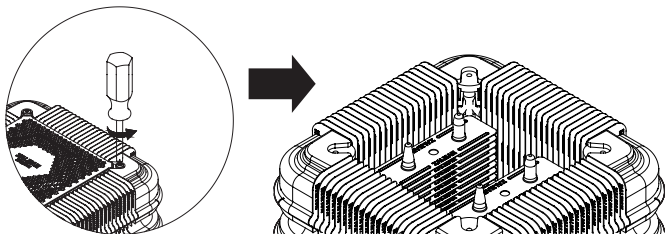
- ④ Reassemble the heatsink cover.



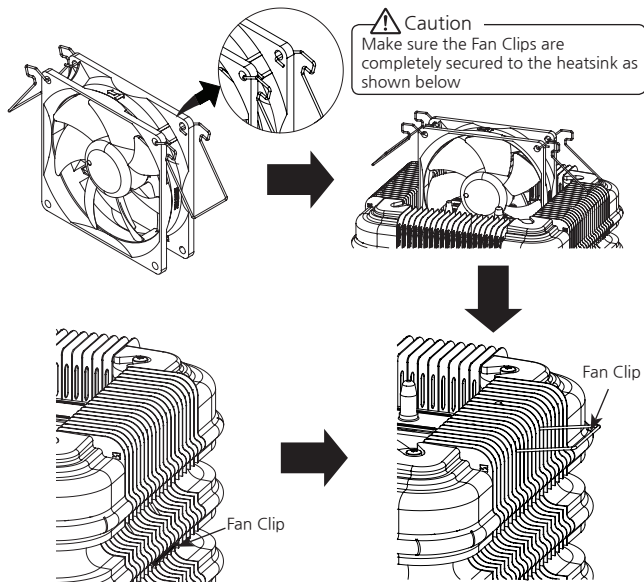
C. Optional fan installation

※ Users must purchase the optional 92mm fan for installation
(Zalman ZM-F2Q(BL) fan is recommended)

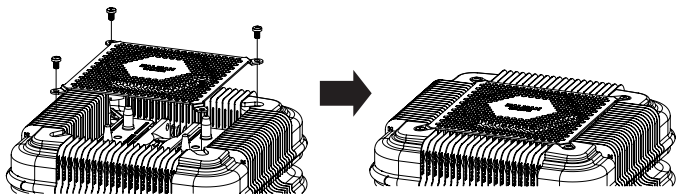
- ① Remove the top cover by unfastening the four screws on each corner.



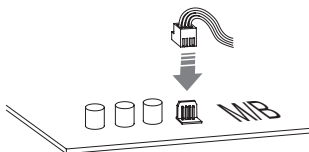
- ② Attach two Fan clips to the top mounting holes on the fan. Then, vertically insert the fan to the center of the heatsink while the Fan Clips are suspended between the heatsink fins.



③ Reassemble the heatsink cover.



④ Connect the cooler's 4-pin connector to the motherboard's Option Fan header.



Caution

After installing, be sure to activate the PWM control mode in BIOS on the motherboard.