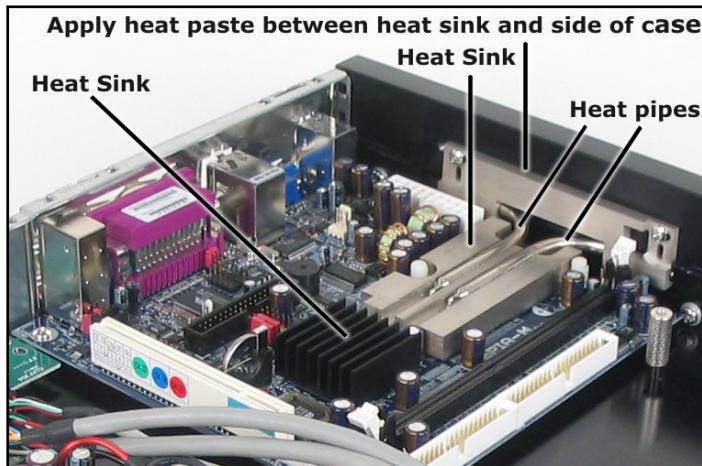
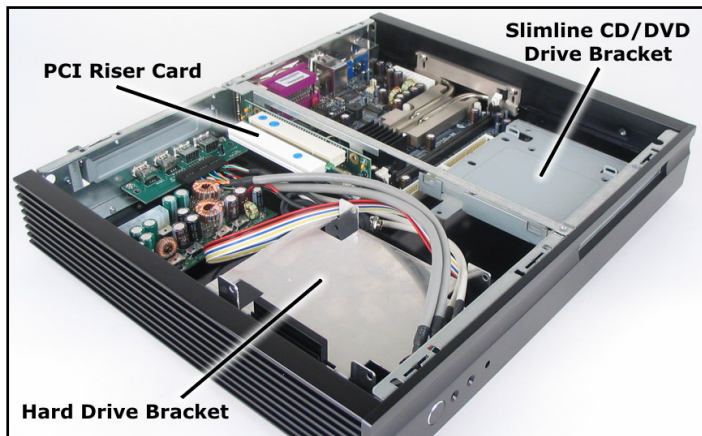


6. Mount the heat sink to the wall of the case with the provided screws .



Finalizing assembly of the system

1. Finish assembly of the system by mounting the slimline CD/DVD drive, the hard drive and the PCI riser card (if applicable) as shown below.



Serener Fanless mini-ITX cases

ASSEMBLY INSTRUCTIONS

2. In some cases a cooling block is included to provide additional cooling for the hard drive. In this case use some of the remaining heat paste on the cooling block to increase the heat transfer.
3. Put all cables and connectors in place. You may need to cut off a corner of the connector for the Firewire cable to make it fit onto the motherboard.
4. Turn on the system to check if the cooling system works.
5. Touch the heat sink and side of the case with your hand to make sure they heat up. If they don't heat up, something may be wrong and you should re-check the installation of the heat sink.
6. Check the processor temperature in the BIOS (if available). The temperature should not exceed 60°C / 140°F.

Thank you for purchasing a Serener Fanless mini-ITX case from Logic Supply. These instructions apply to all Serener Fanless cases, although the pictures may not show the exact model you have.

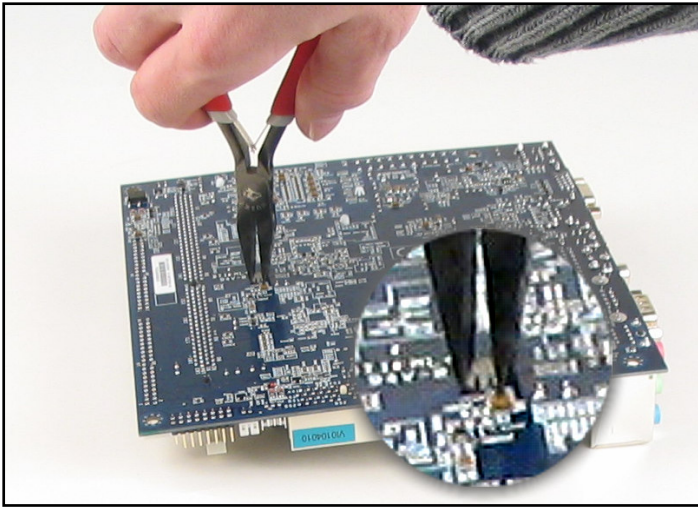
Assembly of a Serener system involves modifying the mini-ITX motherboard and requires previous experience in assembly of computer systems. This procedure is not recommended for novice users.

If you need assistance with this installation, please call Logic Supply at: (802) 244 8302.

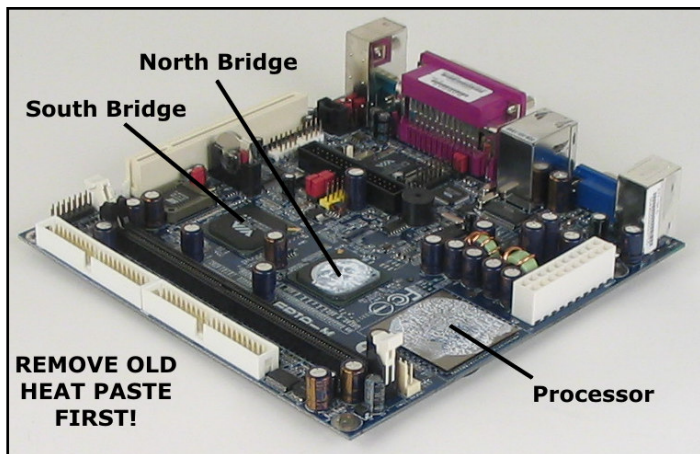
Removing the heat sinks from the motherboard

The heat sinks on the motherboard have to be replaced with a heat sink/heat pipe combination. You'll need a small set of pliers to remove the heat sinks from the motherboard.

1. Place the motherboard upside down.
2. Locate the 4 plastic clips on the bottom of the motherboard.
3. Carefully pinch the V-shaped clips to compress the clips so they will slip down the mounting hole (as shown below). Be VERY careful not to damage the motherboard with the pliers.



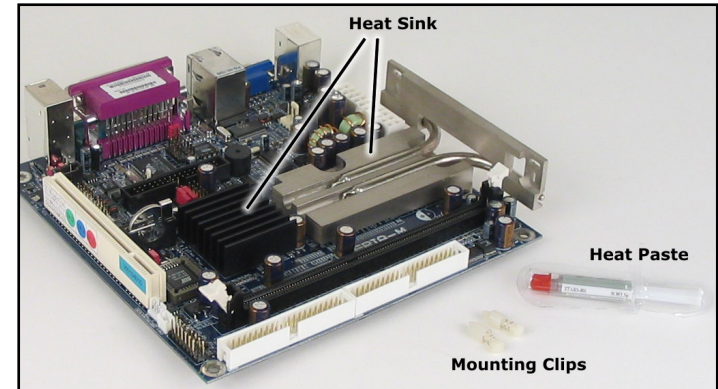
4. Remove the heat sinks from the motherboard and use paper towel to wipe off all heat paste from the processor and north bridge.



Preparing the motherboard for installation

To make sure the heat sink will be mounted correctly follow these steps prior to installing the motherboard in the case:

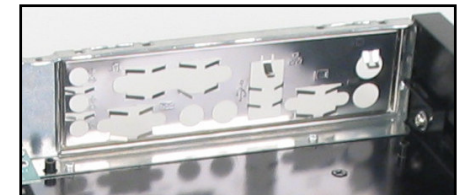
1. Use the provided double sided tape to mount the small black heat sink onto the **South Bridge**.
2. Apply a **VERY SMALL amount** of heat paste from the syringe onto the center of the **Processor** and **North Bridge** (not on South Bridge).
3. Put the heat sink in place and push it down onto the processor and north bridge as shown below.



4. Remove the big heat sink and check if the paste was spread consistently over the processor and north bridge.
5. If needed apply more heat paste to get a thin and evenly spread layer of heat paste.
6. Set the heat sink aside for later.

Mounting the motherboard in the case

1. Install the back plate for the motherboard in the case.



2. Carefully put the motherboard into the case, making sure the connectors on the back slide into the back panel.
3. Mount the motherboard in the case with the provided screws.
4. Apply a bead of heat paste between the heat sink and side of the case. Place the heat sink on the north bridge and processor of the motherboard, lining it up with the side of the case.
5. Use the provided mounting clips to mount the heat sink onto the motherboard. Make sure the clips are pushed firmly in place so they won't come loose.