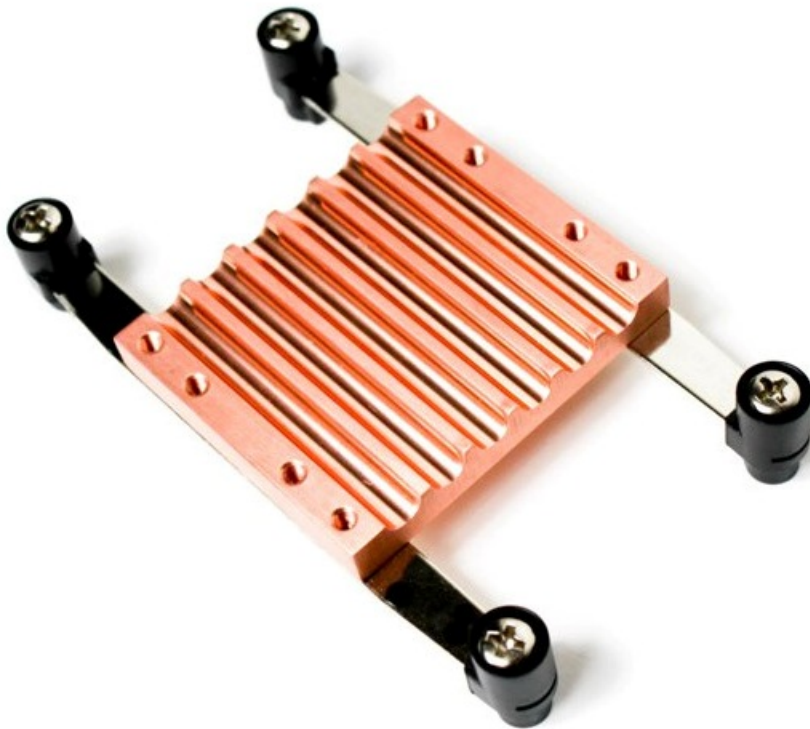




Computer Chassis Installation Guide



Disclaimer

For instructions on specific model, please visit installation section under product page. If you have additional questions or advice, please use our community (<http://www.hd-plex.com/forum>) or contact info@hd-plex.com. In no event will HDPLEX Inc. be liable for direct and indirect damages arising out of the use of this documentation and our product. The information contained in this documentation is subject to change without notice. PDF version of the manual could be downloaded at <http://www.hd-plex.com/installation.html>.

HDPLEX fanless chassis has one-year limited warranty. Warranty starts from purchase date and only applies to products purchased from authorized dealers. Please contact order@hd-plex.com for warranty exchange.

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Opening the HDPLEX Chassis

1. Locate the 2.5mm diameter hex screw driver outside the box. Pictured below:

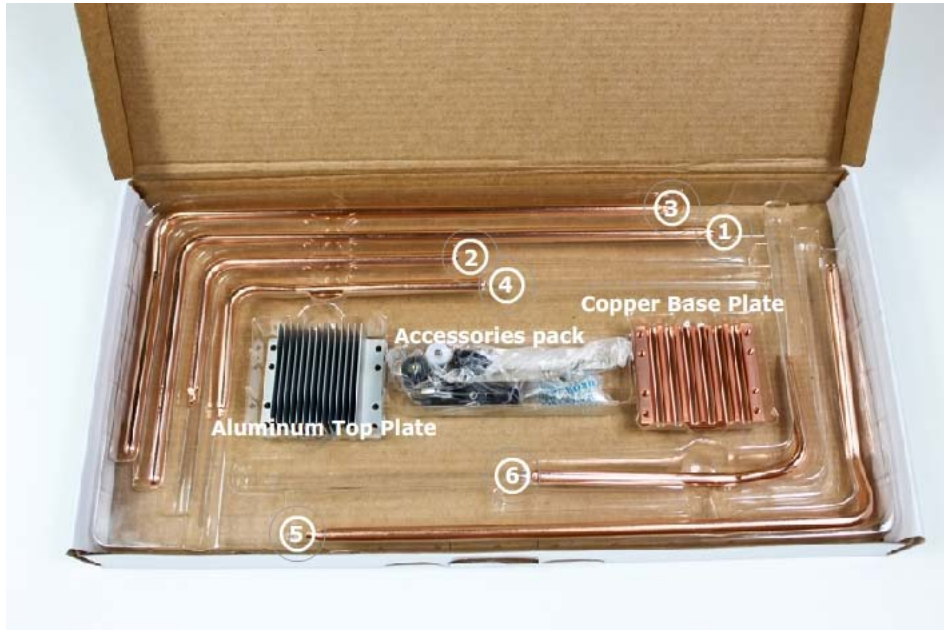


2. There are eight (8) screws that attach the top plate to the heatsink panel (3 screws on each side and 2 screws on the back plate). Using the screw driver pictured above, carefully remove the 8 screws and then slide the top plate off towards the rear of the assembly. The top plate should slide easily. Refer to picture below:



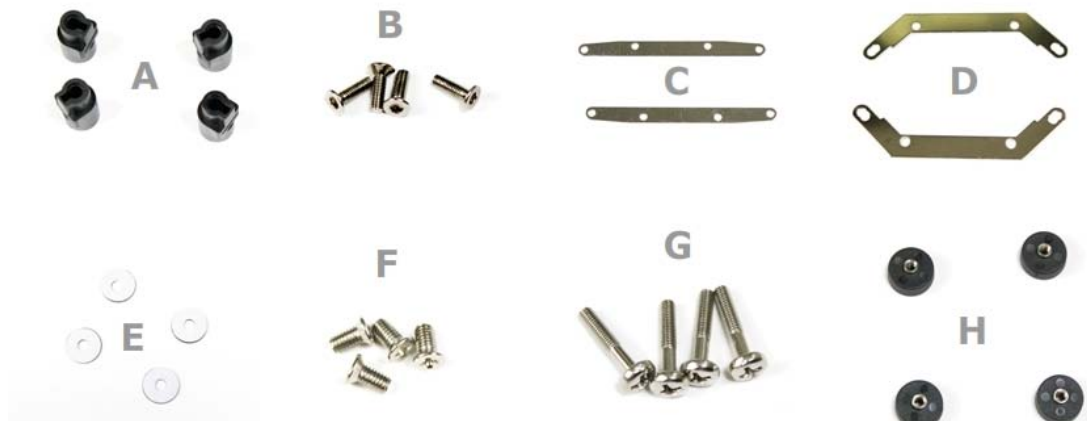
Step 2: Installation of Heatsink System

1. Open the HDPLEX heatsink system box set. Each set contains six heatpipes (#1-#6), one copper base plate, one aluminum top plate, and one accessory pack (Type A-H).



HDPLEX Heatsink System Accessories Pack List

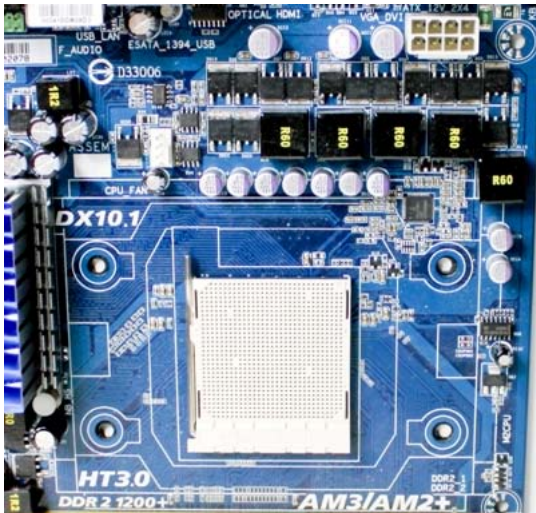
- A: Screw placeholder (4) for rack
 - B: Screw (4) to attach aluminum plate to copper base plate
 - C: Rack (2) for AM2/AM3 socket
 - D: Rack (2) for LGA775/LGA1156 socket
 - E: Washer (4) with double-sided tape
 - F: Screw (4) to attach rack to copper base plate
 - G: Screw (4) to attach rack to the bottom screw placeholder
 - H: Bottom screw placeholder (4)
- Check to see that all accessory items are available before beginning assembly.
You will also need thermal paste.



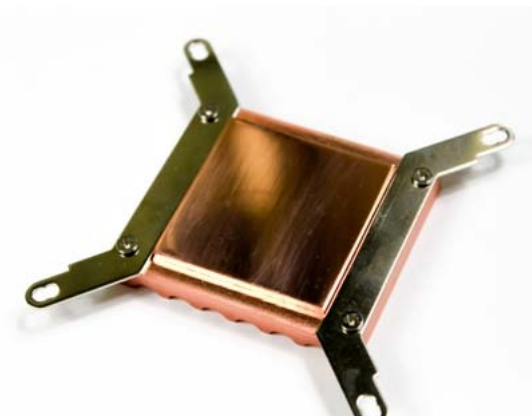
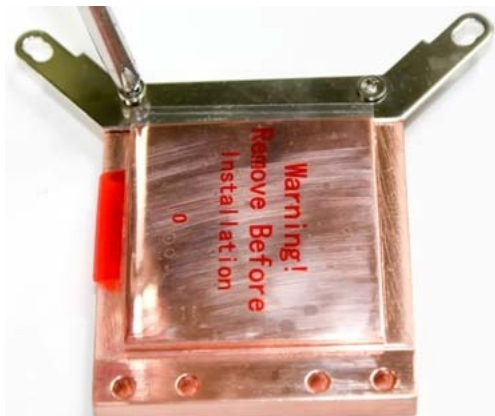
2. Peel tape from one side of washer (E) and paste it onto one bottom screw placeholder (H). Peel the white cover on the other side of the washer and paste it onto the heatsink screw hole around the motherboard socket from the back. Repeat for three additional holes.



3. For AM2/AM3 socket, first remove the heatsink placeholder coming with the motherboard.



4. Remove the protective cover from the copper base plate and install the rack onto the copper base plate using screw (F). For LGA775/1156 socket, install rack (D), and for AM2/AM3, rack (C).



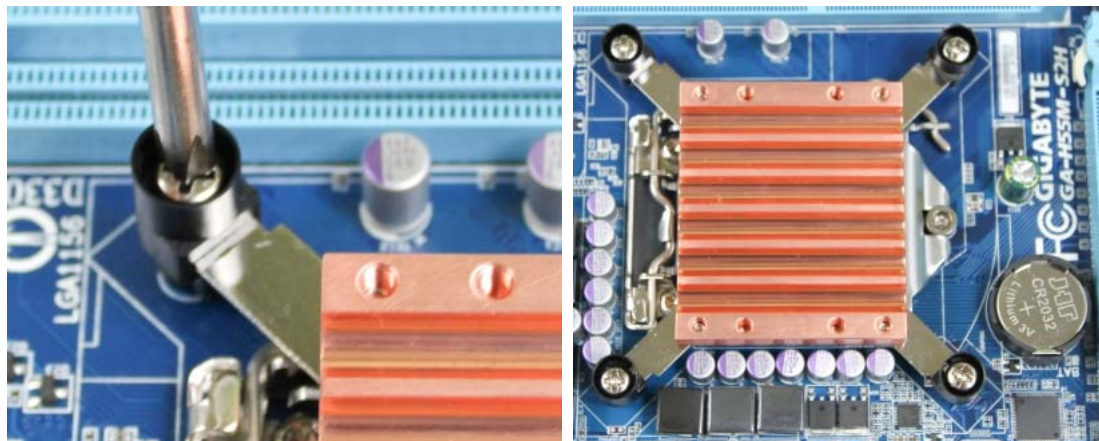
5. Install CPU to the motherboard.



6. Apply a very thin layer of thermal paste onto the CPU top and copper base bottom plate. DO NOT overuse the thermal paste since the heat conductivity is always best with close metal contact.



7. Install the copper base plate onto the motherboard. Tighten the four screws evenly.

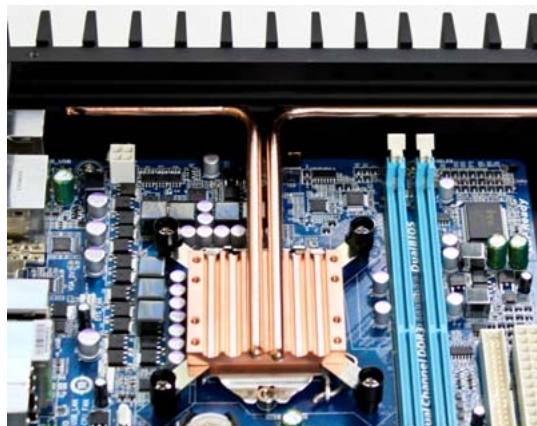
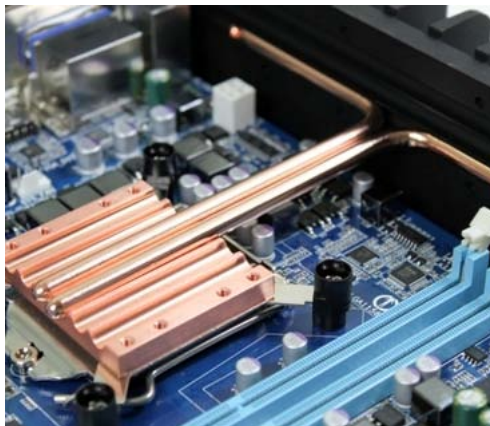


8. Install I/O shield plate on the chassis back plate and motherboard on the chassis bottom plate.

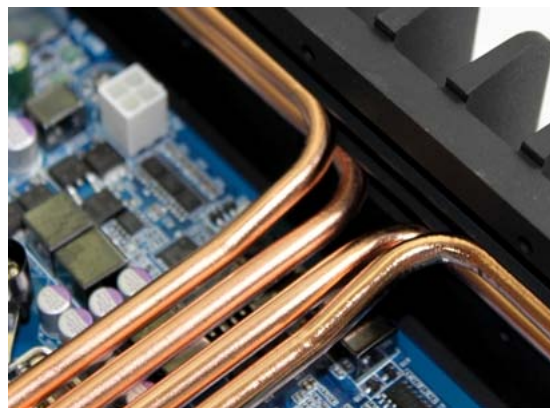
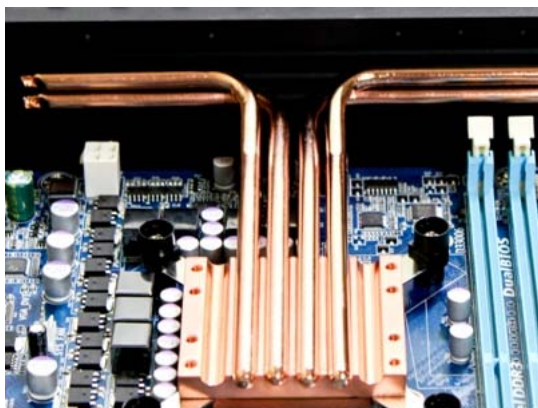


9. Apply a thin layer of thermal paste onto each groove of the copper base plate. Again, don't overuse the thermal paste. You could also apply the thermal paste to the groove on the side panel with fin, although it is not required.

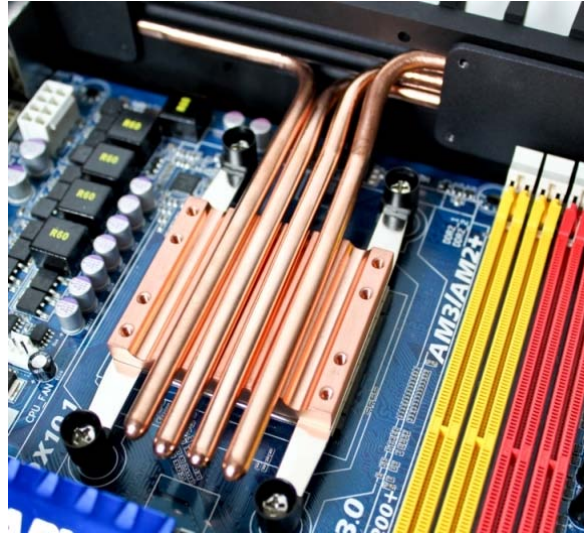
10. Install heatpipes #1 and #2.



11. For LGA775 and LGA1156 socket, install heatpipes #3 and #4.



12. For AM2/AM3 socket, install heatpipes #3 and #5. Only four heatpipes (#1,#2,#3, and #5) will be utilized.



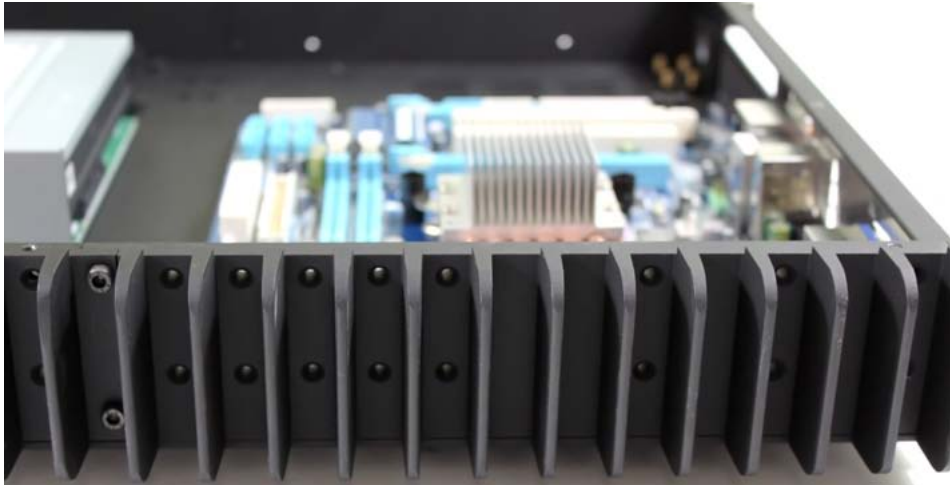
13. For LGA775 and LGA1156 socket. Install heatpipes #5 and #6.



14. Take out the metal plate package. Each H10 series chassis comes with four plates (H5/H3 series comes with three) and each plate comes with four M3x12 screws. The screws will attach the metal plate against the chassis side panel from outside.



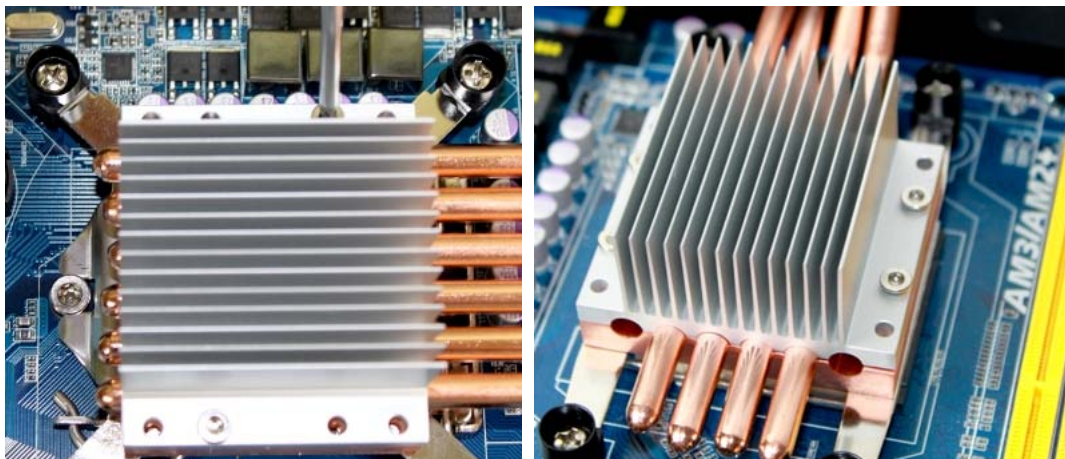
15. The chassis side panel has extra holes, which allow you to adjust and choose the best spot to install the metal plate.



16. Install the metal plate onto the chassis side panel.



17. Apply a thin layer of thermal paste on each groove on the aluminum top plate and install the aluminum top plate onto the copper base plate using screw B.





Very Important!

Please test your system thoroughly, making sure the HDPLEX heatsink system is working properly before installing other components.

Step 3: Installation of Optical Drive

1. The optical drive installation kit includes 8ea M3*6 screws ,4ea racks, and one eject button. All components are pictured below:



2. Install the four racks onto the four rubber feet on the chassis bottom plate. Install the eject button onto the faceplate. Refer to pictures below.



3. Install the optical drive to the rack using M3x6 screw. Adjust the optical drive position so the eject button could function properly and optical drive aluminum cover does not stick out of the faceplate with ODD drawer fully closed.



Warning: Before proceeding to the next step, please install the rest components and test your system thoroughly to make sure that everything is working properly. Once the ODD cover plate is installed, the optical drive cannot be removed unless the cover plate is removed.

4. Attach the optical drive aluminum cover plate using the provided 3M tape.



Installation of Hard Drive

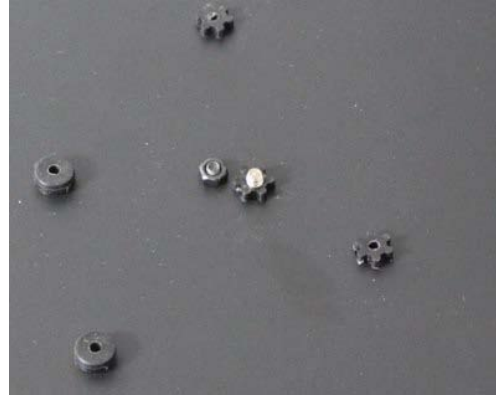
For detail hard drive install position on your specific model, please visit the installation section under the product page at www.hd-plex.com/chassis

1. Install the 3.5" HDD using the silver #6-32UNC screws and M3x12mm black screws for the 2.5" SSD/HDD. Refer to pictures below:



Warning: Do NOT over-tighten the screws as this may damage the anti-vibration cushion. Extra rubber feet are included for your chassis.

Tips: When install 3.5" HDD, you need screw driver to drive the silver 6-32UNC screws through the rubber feet first. Then erect the chassis in vertical position and install the 3.5" HDD. This step require patience.



Installation of Power Supply

150W Power supply installation with adapter placed outside the chassis.

1. Detach the 4ea M3 screws from the post, install the DC-ATX input PCB onto the 4 posts, and tighten the M3 screws. Refer to pictures below.



150W Power supply Installation with adapter place inside the chassis.

1. Detach the 4 posts from the chassis bottom plate and remove the metal plate from the chassis back plate.
2. Place the adapter internally against the side panel and back plate. Install the 4 posts into their new positions (please refer to the installation section under your specific model at www.hd-plex.com/chassis to locate this position) on the bottom plate. Install the DC-ATX input PCB board into the new position. Refer to pictures below.



3. Install the three plates onto the bottom plate to fix the position of the adapter. Refer to pictures below.



80W Open Frame Power Supply Installation

The 80W power supply package contains: 1ea 12pin-20pin main cable, 1ea IEC-5pin cable, and 1ea power supply. Refer to pictures below.



1. Plug the main cable into the 12pin connector on the power supply. Plug the 3pin head into the power supply on-board connector. Refer to pictures below.



2. Install the 80W power supply onto the heatsink using 4ea M3*12 screws. The 12pin output is close to the chassis faceplate and the IEC AC connector is close to the back plate. Refer to pictures below.

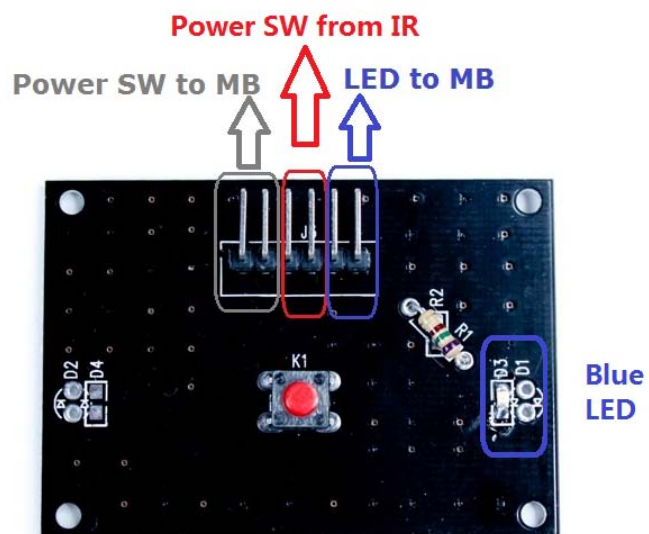


3. Remove the metal plate and install the IEC connector. Attach the ground pin to the bottom plate. Refer to pictures below.



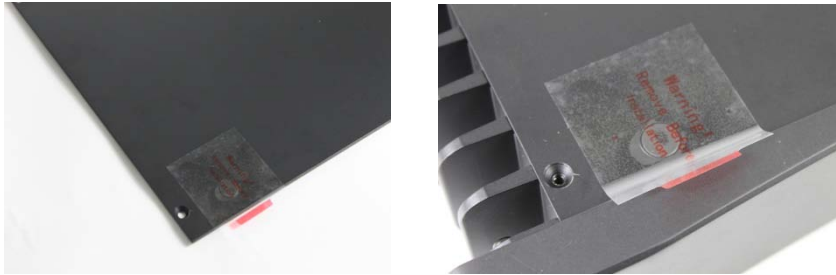
Installation of Power Switch

1. Power switch PCB layout. Blue LED could be connected to PWR LED or HDD LED plug on the motherboard.



Note: Please visit <http://www.hd-plex.com/remote.control.html> for remote configuration program download and wiring instruction.

2. Use the transparent tape to keep the power button from falling off the top lid. Slide the top lid in and test the button to make sure it is working properly.

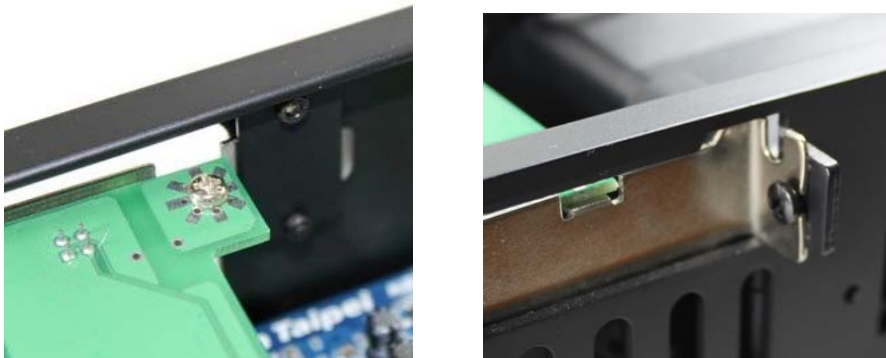


3. Remove the tape.



Installation of Expansion Card

1. Loosen the two M2 screws on the back plate; plug the PCI bracket tip into the space between the metal plate and back plate; tight the M2 screws. Attach the other end via one M3 screw.



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