HDPLEX H1 V2 Series Fanless PC Chassis
Installation Guide Version 1

HDPLEX Reward Program

We will send 20USD reward to any customer who has purchased HDPLEX fanless computer case. It is simple to get the reward. Take two or three photos of your PC using HDPLEX fanless case, write some feedbacks or suggestions in any language you prefer and post it on any forum, blog or Facebook. Send the review link to reward@hdplex.com. We will send this 20USD reward to you right away (Paypal or refund to your order)!

HDPLEX 特典プログラム

HDPLEX ファンレス PC ケースをご購入されたお客様は、以下の手続きを踏むことで 20 ドルの報酬を受け取ることができます。ブログまたは Facebook などのインターネットコミュニティに、ご購入された PC ケースをインストールしているお客様ご自身の写真 2～3 枚をご意見・ご感想（言語は問いません）と共にアップロードしていただきます。その後、掲載したページのリンク（URL アドレス）を reward@hdplex.com までお送りください。20 ドルの報酬を（Paypal または購入時のアカウントへ）お支払い致します！

HDPLEX Reward Programm

Alle Kunden, die ein HDPLEX lüfterloses Gehäuse gekauft haben (egal wo), können eine 20€ Rückerstattung/Belohnung erhalten Es ist sehr einfach diese Rückerstattung/Belohnung zu bekommen: 2 oder 3 Bilder mit etwas Text/Kritik/Vorschlägen, den Sie in einem beliebigen öffentlichen Forum/Facebook/Blog posten, reicht dafür aus! Senden Sie den Link an reward@hdplex.com und erfreuen sich an einer unmittelbaren Paypal/Rückerstattung zu Ihrem Auftrag.

Offre de remboursement HDPLEX

Recevez 20 dollars US pour tout achat d'un boitier HDPLEX. Pour bénéficier de cette offre, rien de plus simple: prenez deux ou trois photos de votre installation HDPLEX accompagnées de vos commentaires ou suggestions (dans la langue de votre choix) puis postez-les sur un blog, sur Facebook, ou sur n'importe quel forum. Envoyez le lien à reward@hdplex.com. Nous vous rembourserons 20 dollars US dans les plus brefs délais (via Paypal ou déduits de votre commande).

HDPLEX 客戶獎勵活動

任何購買 HDPLEX 無風扇機箱的客戶，無論您是通過何種渠道購買的，都可以參加本活動。
您只需拍攝 2-3 張用 HDPLEX 機箱裝配完成的電腦，並簡單寫幾句略對 HDPLEX 機箱使用的感受和建議。把這篇評論發表在任何論壇，blog 上，並將評論的鏈接 email 至 reward@hdplex.com。 我們會將 20 美金的獎勵立即發到您指定的賬戶（Paypal，支付寶，或者您訂單的返現）。

Package Contents

H1.S V2 Chassis

Top Plate

Bottom Plate

Left Side Panel

Right Side Panel

Backplate for Mini-ITX

Faceplate (Brushed Silver/Black)

Four Aluminum Feet with cushion

Backplate for Thin-ITX (Optional and Sold Separately)

H1.S Installation Kit List:

A: M3*6 Screw w/Ring 15pcs

B: M5*8 4pcs (Front) & M4*6 Screw 4pcs(Back)

C: M4*8 Flat Head HEX Screw-Black 16pcs

D: M3*8 Round Head Screw 8pcs

E: 12mm Copper Post for Side IO PCB 4pcs

F: 7mm Copper Post for Motherboard 4pcs

G: Silver M3*6 Flat Head Screw for SSD 24pcs

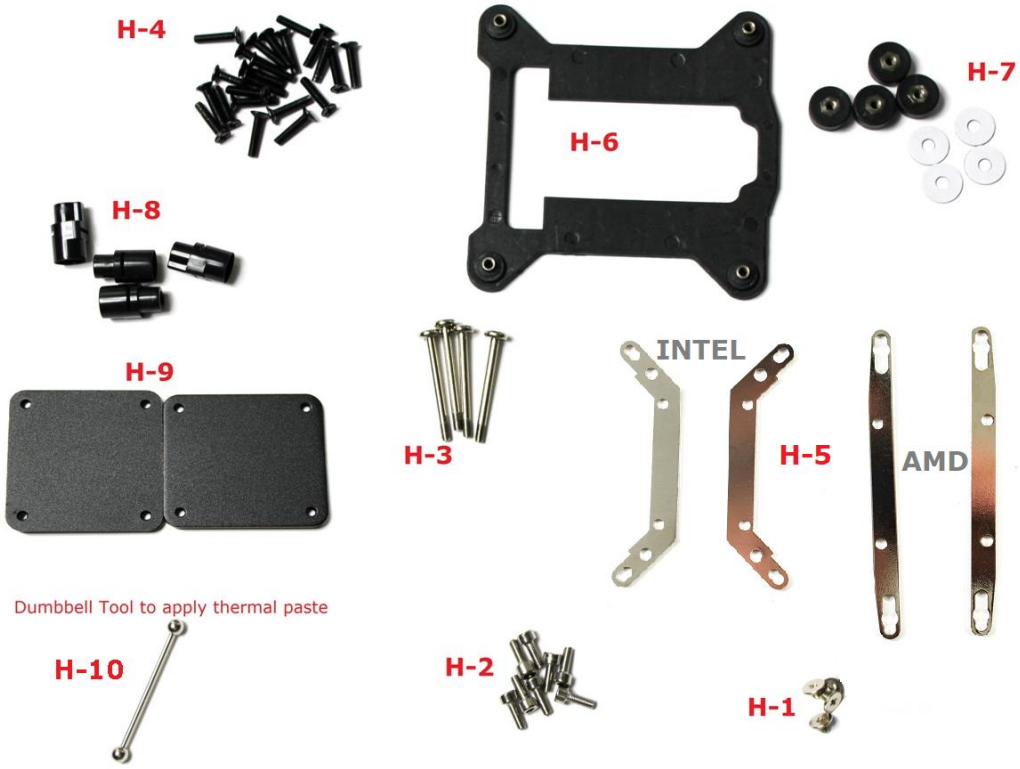
H: M3 Nuts 6pcs

I: M3*12 Flat Head Screw 2pcs

Dumbbell Thermal Paste Application Tool
24PIN Extension Cable 12cm and IEC C14 without EMI Filter
2.5mm Tip M4 HEX Head Screw Driver
Wrench for M5 and M4 Cup Head HEX Screw
SSD/2.5” HDD Rack*2 for H1 Series
Side I/O PCB with Aluminum Power Button and USB 3.0 Cable
Power Adapter Plate for 7.4*5.0 and 5.5/2.5 DC Connector

HDPLEX H1 Fanless CPU Heatsink System

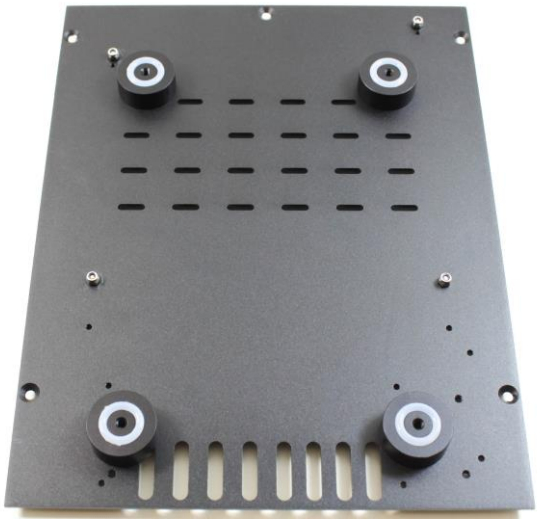
H-1: M3*6 Silver Screw 4pcs
H-2: M3*8 CUP Head HEX Screw Silver 8pcs
H-3: M 3*18 Round Head Screw Silver 4pcs
H-4: M3*14 Flat Head Screw Black 16pcs
H-5: Intel(Left) and AMD (Right) CPU Bottom Rack 4pcs
H-6: Intel CPU LGA115x Bottom Rack 1pcs (In Accessories Box)
H-7: Bottom Holder and Double Tape 4pcs (For AMD CPU)
H-8: Plastic Screw Holder Black 4pcs
H-9: Aluminum Plate for Heatpipe Installation 4pcs
H-10: Dumbbell Tool to Apply Thermal Paste (In Accessories Box)



Copper Heatpipe 6mm OD 6pcs
Copper Baseplate 1pcs
Aluminum Top Plate 1pcs
High Quality Thermal Paste 3.5Oz 1pcs

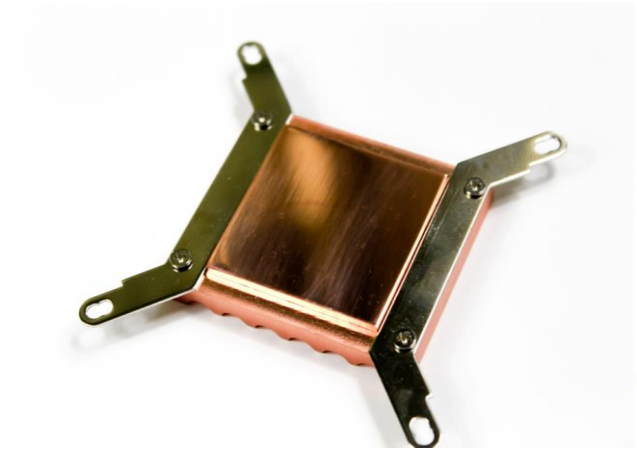
H1 CPU Heatsink System Installation

Install four feet with rubber cushion to the bottom plate via 4pcs M*6 HEX screw **C**. Install four 7mm copper post **F** on the bottom plate ITX motherboard installation position and use M3 nut **H** to fix the copper post from the back.

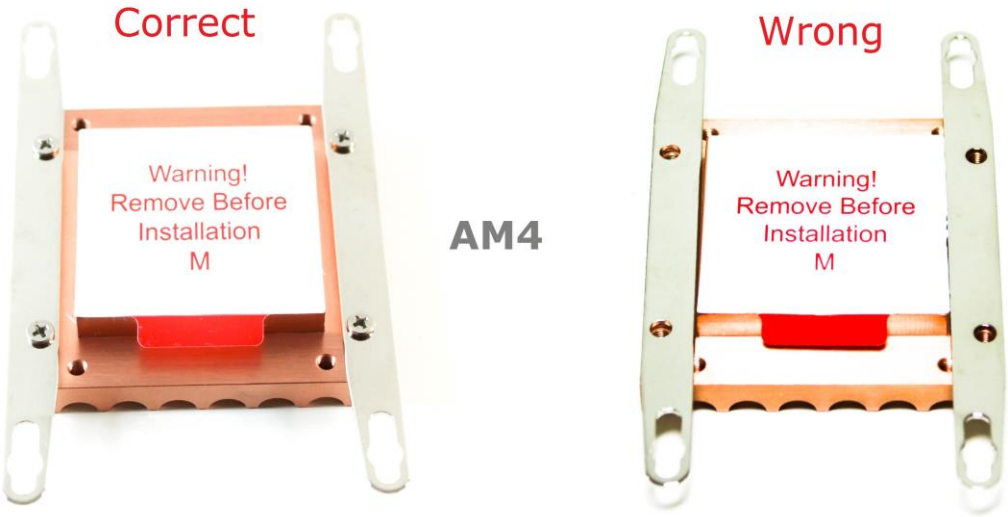


Install aluminum power button and side I/O PCB using four copper post (12mm height) **E** and four M3*6 screws **A**. PWR does not have polarity. LED polarity is shown below.

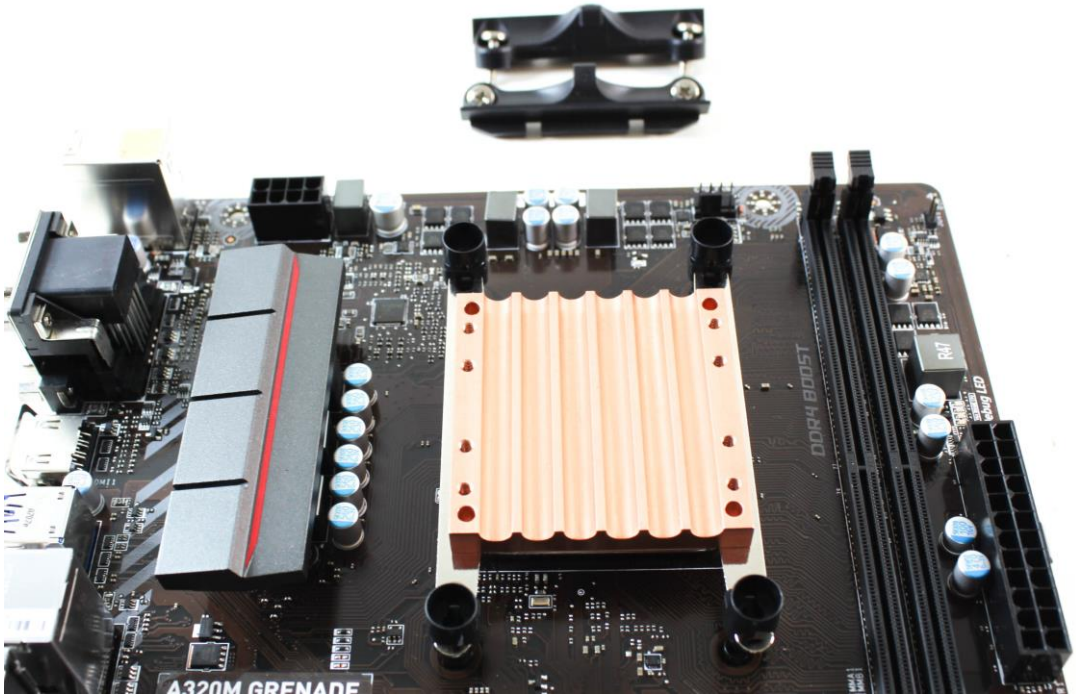
Install the **H-5** rack on the copper baseplate using **4pcs H-1**. Install the **H-6** LGA115x bottom rack for Intel CPU or **H-7** bottom holder for AMD AM2/AM3/FM1 socket CPU on the back of the motherboard. Remove the protection cover from the copper baseplate.



For AM4 socket, the straight edge of the AMD rack should be on the outside.

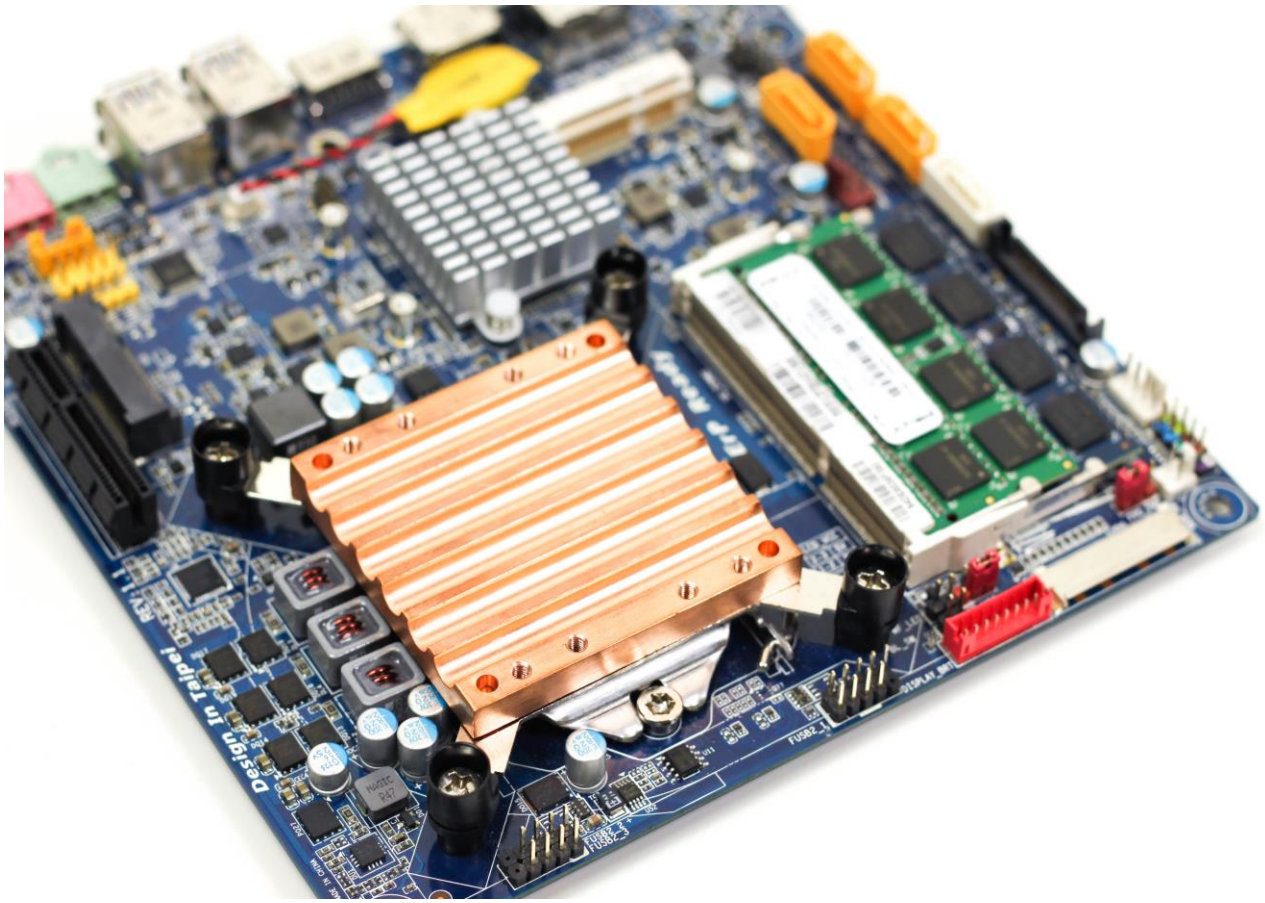


Remove the two plastics holders on the AM4 socket, keep the original bottom plate untouched.
Install the copper heatsink block using 4 **H-3**.



Apply a very thin layer of thermal paste to the copper baseplate surface. Install **4pcs** plastic screw holder **H-8** onto the four corners and install the copper base to the motherboard using **4pcs H-3**. Do not over tighten **H-3** as this will bend the rack and put too much pressure on CPU. There should be a small gap between the bottom of **H-8** and motherboard surface after **H-3** screws is tightened.

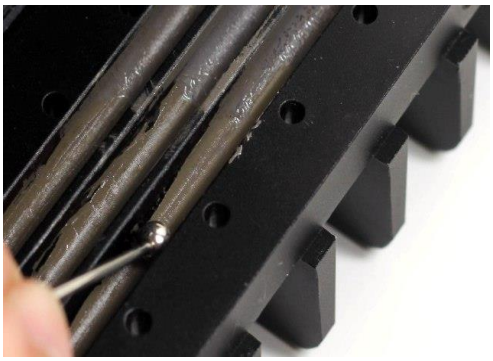
Warning: Don't over use the thermal paste as it will decrease the thermal transfer efficiency.



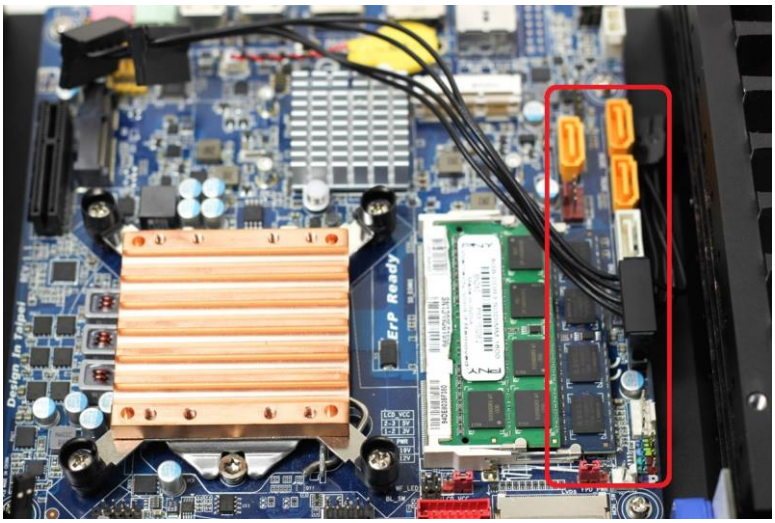
Install the motherboard to the H1.S chassis bottom plate using **A**.

Apply a very thin layer of thermal paste to the heatpipe groove on both side panels using the dumbbell shape tool. Install both side panels on the H1.S bottom plate using **C**.

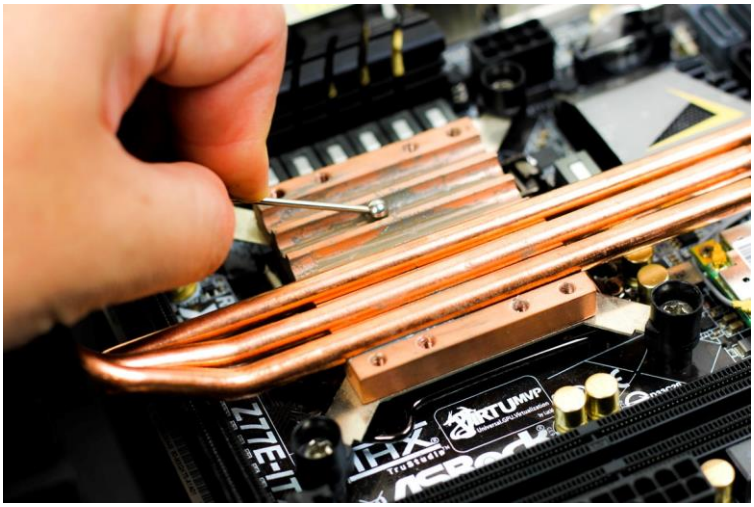
Warning: Don't over use the thermal paste as it will decrease the thermal transfer efficiency.

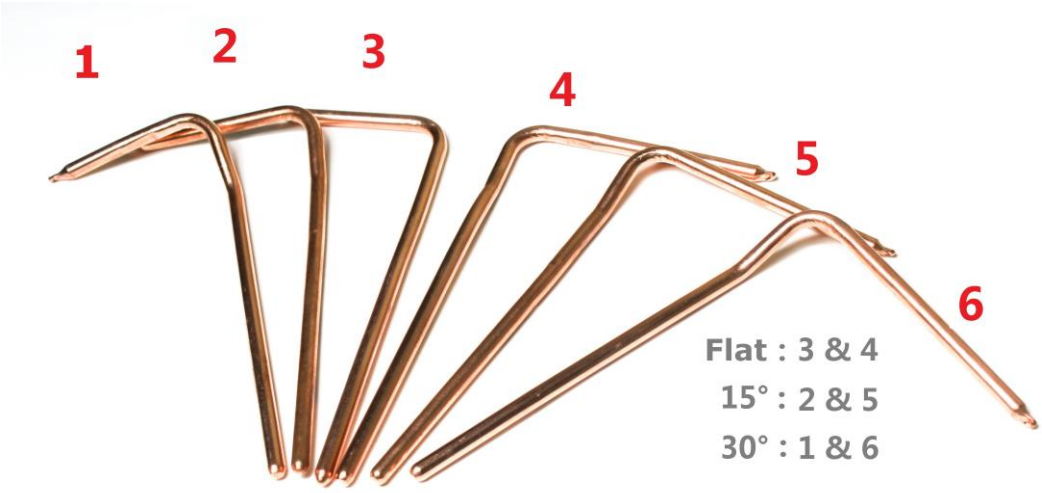


Connect SATA power, USB cable, and SODIMM memory module first. Those ports might not be accessible after heatpipes are installed.



Apply a very thin layer of thermal paste to the copper plate groove using the dumbbell tool.
Warning: Don't over use the thermal paste as it will decrease the thermal transfer efficiency.



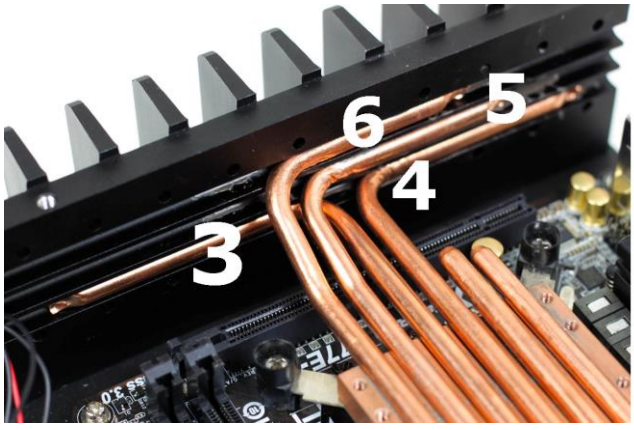


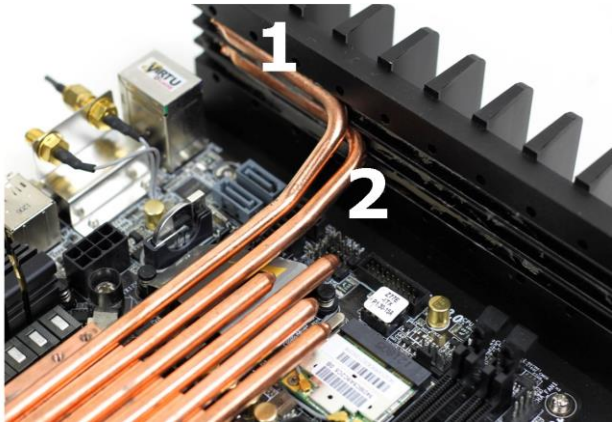
For all Thin-ITX and mini-ITX motherboard with 24PIN connector on the front，arrange the six heatpipes following those two examples.

Example 1:

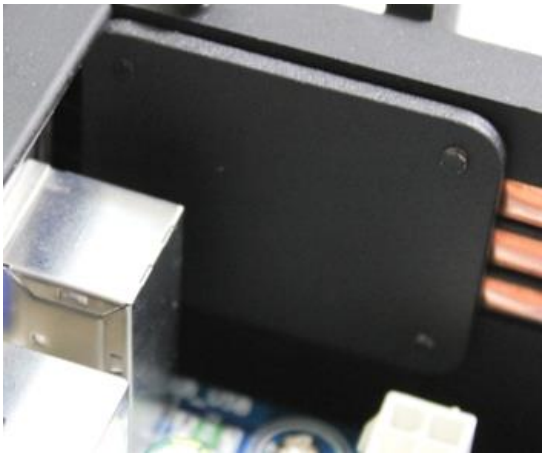
Example 2:

For mini-ITX motherboard with 24PIN ATX connector on the side, you could install the heatpipes like this:





Install the metal plate to the chassis side panel using **H-4**.



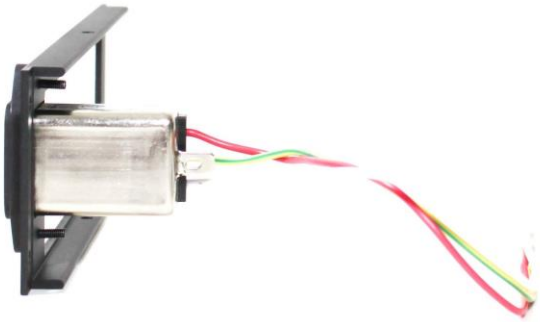
Apply a thin layer of thermal paste on each groove on the aluminum top plate and install the aluminum top plate via **8pcs H-2**. We strongly recommend insert the top plate half way before fully tightened the **H-2** screws using the included 2.5mm tip HEX screwdriver.
This step is to ensure proper distance between two side panel for the top plate installation.

Power Supply Installation

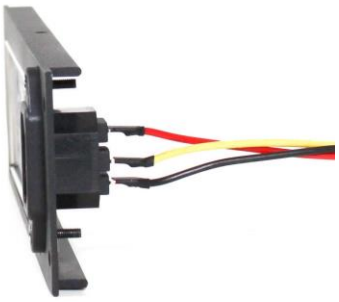
A:HDPLEX Internal 80W/160W AC-DC Adapter +HDPLEX 160W DC-ATX converter

Install the IEC C14 AC connector from the HDPLEX 80W/160W AC-DC package to the H1.S backplate using 2pcs M3*12 flat head screw **I**.
If the capacitor on your motherboard back corner conflicts with the metal EMI filter box from the IEC C14 AC connector, please use the IEC C14 without the EMI filter which is included in the H1 accessories box. Install the H1 backplate to the H1.S V2 chassis using **4pcs B(M4)**.

IEC C14 with EMI Filter



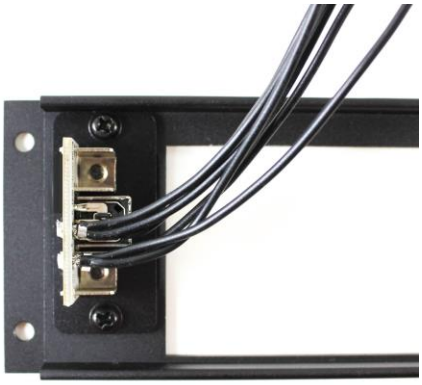
IEC C14 without EMI Filter



Install HDPLEX 80W AC-DC or 160W AC-DC on the H1.S faceplate using four M3*6 screws included in the AC-DC package. Plug HDPLEX 160W DC-ATX directly into the motherboard. HDPLEX 160W AC-DC adapter can also be installed on the H1.S V2 bottom plate.

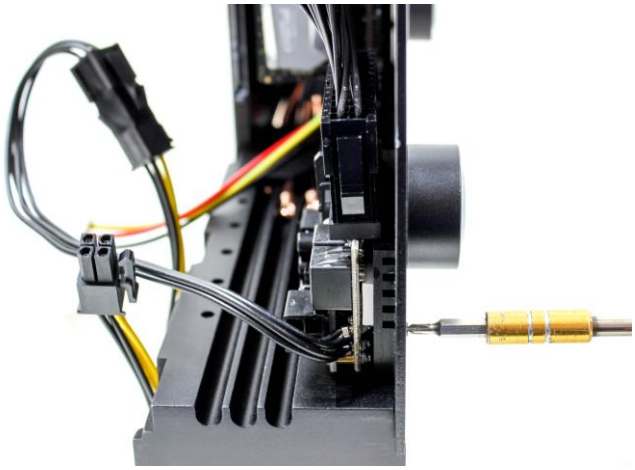
B: **External AC-DC Adapter+HDPLEX 160W DC-ATX/400W HiFi DC-ATX**

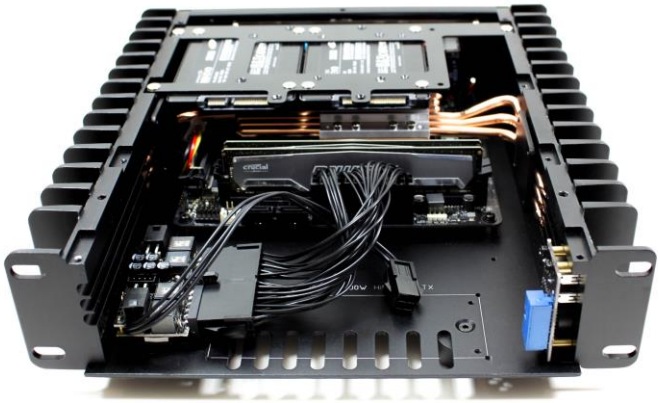
Install the 7.4*5.0mm DC Jack PCB on the power adapter plate (Self Lock 5.5/2.5 DC Connector is supported as well) using two M3*8 screws **D**. Install the adapter plate to the H1 backplate using two M3*6 screws **A** from inside.



There are two positions to install the 400W HiFi DC-ATX. One is on the faceplate and the other is on the bottom plate.

HDPLEX 160W DC-ATX could also be installed on the H1 bottom plate using two M2*6 screws included in the 160W DC-ATX package. It connects to motherboard via the 24PIN extension cable included in the H1 accessories box. For H1.SODD V2 case, HDPLEX 160W DC-ATX must be installed in this position. It is recommended to put the H1.S V2 in vertical position before install 160W DC-ATX on the bottom plate.





For Thin-ITX motherboard

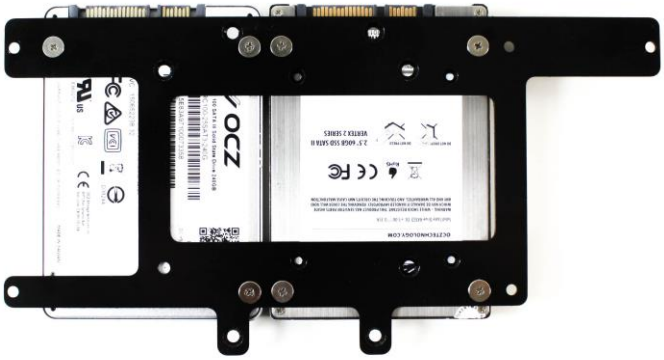
First install the PCIE expansion card or PCI cover bracket on to the H1.S backplate for Thin-ITX using **1pc A**. Install the IEC connector to the backplate and install HDPLEX 80W or 160W AC-DC adapter to the H1.S faceplate.

Thin-ITX backplate for H1 series is sold separately and is NOT included in the H1 package.

Connect the AC IEC input to the HDPLEX 160W AC-DC or 80W AC-DC adapter and connect 19V output 4PIN-2PIN cable onto the Thin-ITX 19V two PIN input. Both connectors have lock pin to ensure the correct direction. Install the Thin-ITX backplate using **4pcs B(M4*6)** and faceplate with **4pcs B(M5*8)**.

H1 HDD Rack and SSD Installation

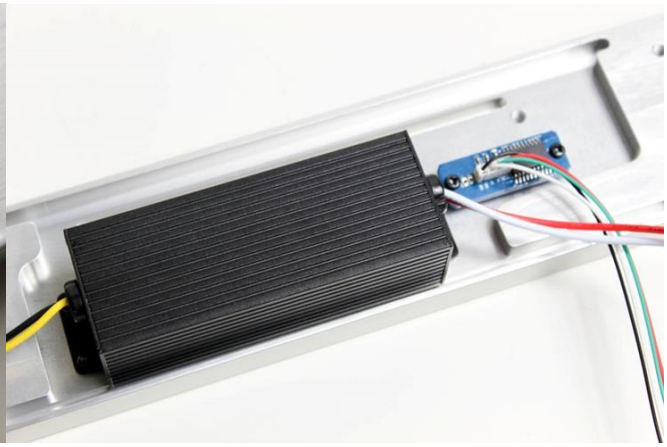
H1 HDD rack has three SSD installation positions. Use flat head silver M3*6 screw **G** to install SSD to the rack.



Install the rack to the H1 body using 3pcs **G**. H1 V2 series has three rack installation positions. Low profile memory is required for middle position to be available. If HDPLEX 80W AC-DC or 160W AC-DC adapter is installed, front HDD rack position will be disabled.

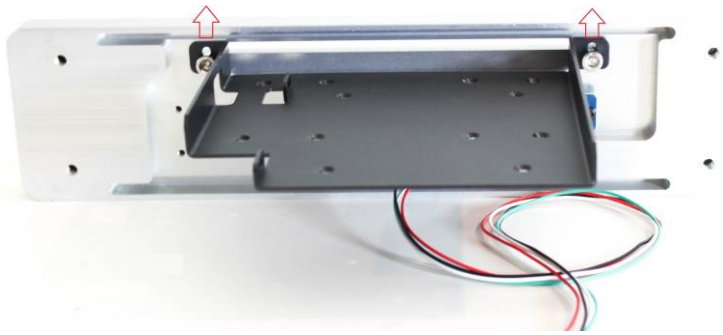
H1.SODD V2 Faceplate Installation

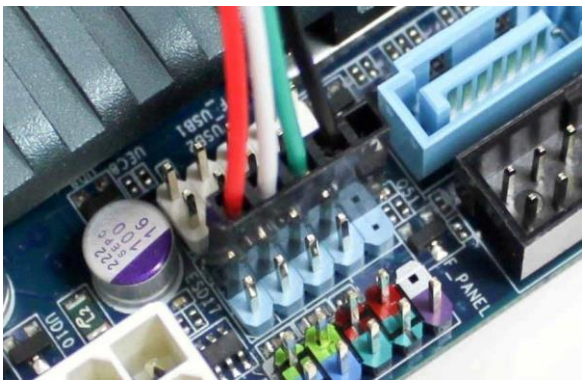
1: Install two M3*5 Screw Post and ODD Eject Button to the faceplate. Install Eject Button Circuit Board.



2: H1.SODD V2 supports HDPLEX 80W AC-DC+160W DC-ATX combo. HDPLEX 160W DC-ATX must be installed on the H1 bottom plate.
H1.SODD V2 also supports HDPLEX 160W DC-ATX/400W HiFi DC-ATX+External AC Adapter/Linear Power Supply combo.
H1.SODD V2 does NOT support HDPLEX 160W AC-DC+160W DC-ATX combo.

3: Install the Slim ODD rack using two M5 Cup head screws. Push the ODD rack to the top and tighten the M5 Cup head screw using the M5 wrench. Install the optical drive using four M2*4 screws.





HDPLEX has designed a unique eject button connecting to the USB 2.0 onboard port to eject optical drive via OS command. The HDPLEX eject button does not rely on optical drive's own eject button. Download Windows 10/8/7 and Linux Drivers below:
https://www.hdplex.com/pub/media/image/Product/H1.SODD/installation/Eject.rar
https://www.hdplex.com/pub/media/image/Product/H1.SODD/installation/ejectd.tar.gz
Plug the eject button USB 2.0 on to the motherboard USB 2.0 port. Install the HDD rack.

Test the H1.S thoroughly and complete the installation by closing the top plate using 4pcs C. If the distance between the two side panels is too narrow for top plate to fit in, loose the top right and left M4 HEX screws on the back plate and silver HEX screw on the aluminum heatsink top. Insert the top plate half way and tighten those screws again.

For suggestions and advice on HDPLEX fanless chassis, please visit our community at https://www.hdplex.com/forum