



## Avalon A-Series Disassemble Guide

File NO. : QS-AMS-OS-001  
REV: A/0  
Making: Quality department  
Date: 2022/09/06



Change list

NO.	REV	Description	Owner	Date
1	A/0	Initial release	DUZHIZHOU	2022-09-06

1. Document Information
  - Version 1.0 Released
2. General
  - The purpose of this guide is to assist in installing or disassembling Avalon A-Series Products.
3. Applicable Miners
  - Avalon A1246-87/-85/-81
  - Avalon A1166Pro-81/-78/-75/-72/-68
  - Avalon A1066Pro-64-L/-60-L/-56-L
4. Applicable Users
  - Applied to authorized maintenance centers or other authorized customer service centers
5. Notification of Reading
  - This document is filled with words and images. Please adjust the screen resolution to fit in your personal preferences.
6. Recommended Tools
  - 1x Drill
  - 1x PH2 Hex Shank Screwdriver Bits
  - 1x anti-static wristband
  - 1x anti-static gloves
  - 1x anti-static outfit

**Caution:**

Please put on anti-static wristbands, gloves and clothes before disassembling machines. Ground the wristbands correctly and apply a proper amount of torques to the screw fasteners.

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## Disassemble Procedures

### Step 1:

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- Disconnect Fan3 and Fan4's power supplies.

### Step 2:

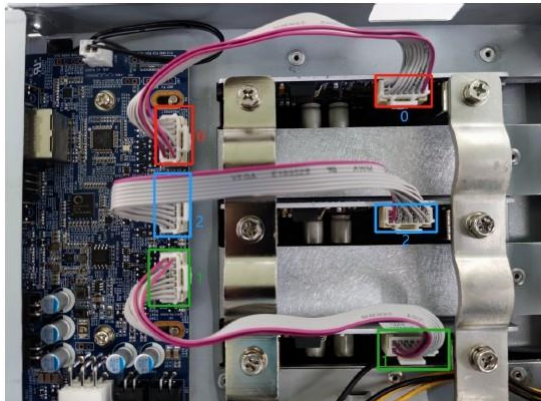
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- Remove the two fixed screws.

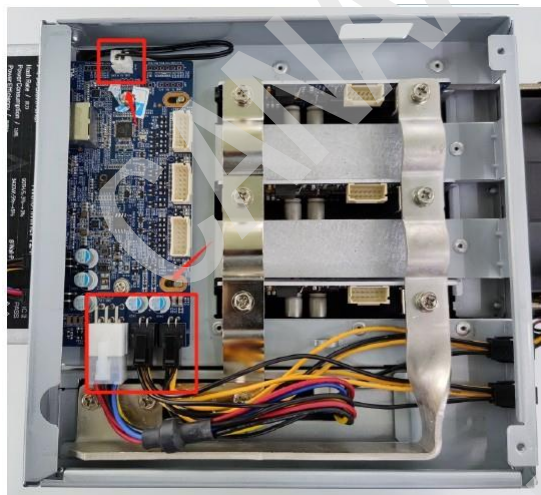
- Remove the lid by pushing along the direction of the red arrow as shown on next.

### Step 3:



- Remove all the connectors among Hash boards and the MM board.

### Step 4:



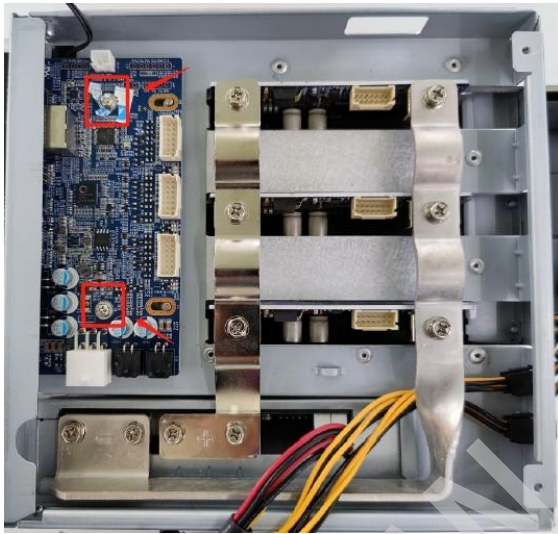
- Plug out the power supply connector (small white)
- Plug out the temperature control connector (large white)
- Plug out the Fans control connectors (black)

### Step 5:



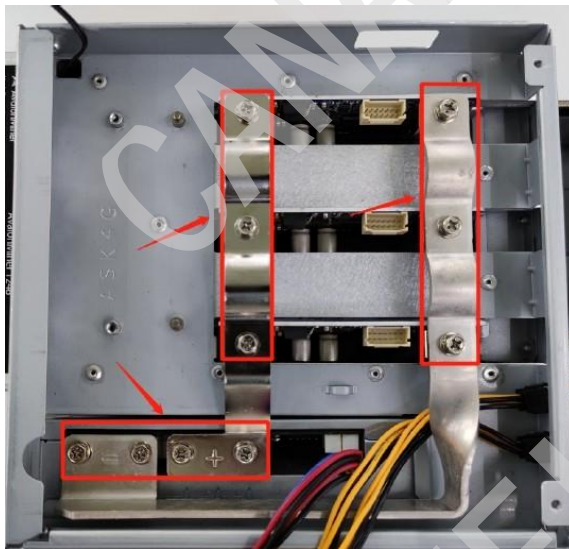
- Press and hold Fan1 and Fan2's connectors. Then plug them out.

## Step 6:



- Remove the two fixed screws which attached on the MM Board and then take out the MM board to a safe place.

## Step 7:



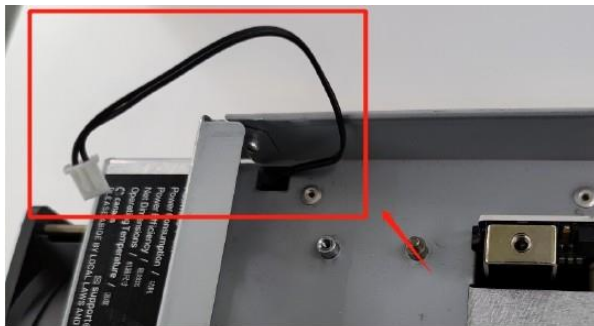
- Remove the ten fixed screws which are attached on the two aluminum strips and then remove the aluminum strips.

## Step 8:



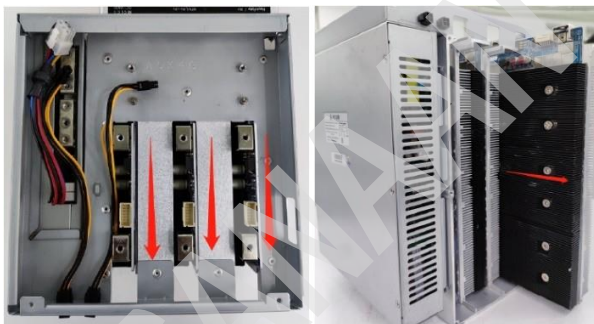
- Remove the front and the rear fixed screws (12 in totals) followed in diagonal order and then remove the front and rear panels where fan assemblies are attached.





**Note:** when you remove the components of Fan1 and Fan2, please pay attention to the temperature control cable, and take it out carefully through the opening in order to avoid damages.

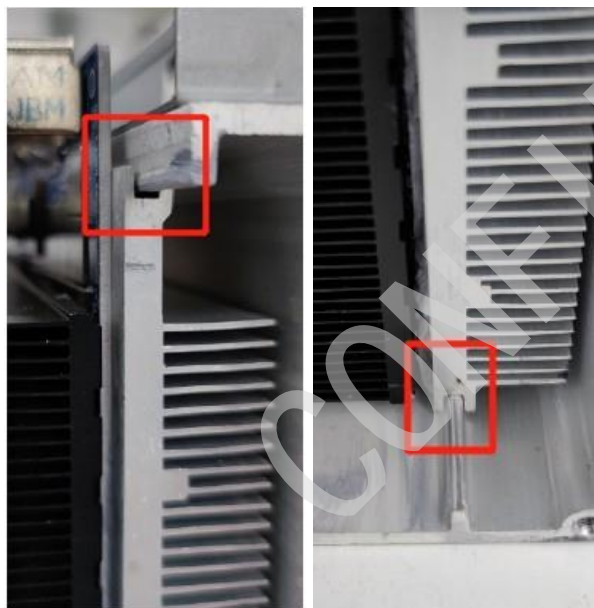
### Step 9:



- Push a hash board in the direction as shown in the figure and pull out the three hash boards by turns.

**Note:** when you pull out the hash boards, make sure to hold the miner's frame firmly in order to avoid toppling.

### Additional information:



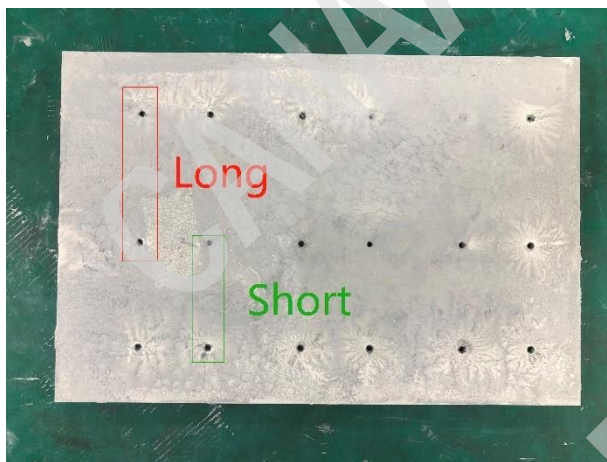
- There are two slots on both sides of the front heat sink. Please be sure to make those slots on the right track.

## Step 10:

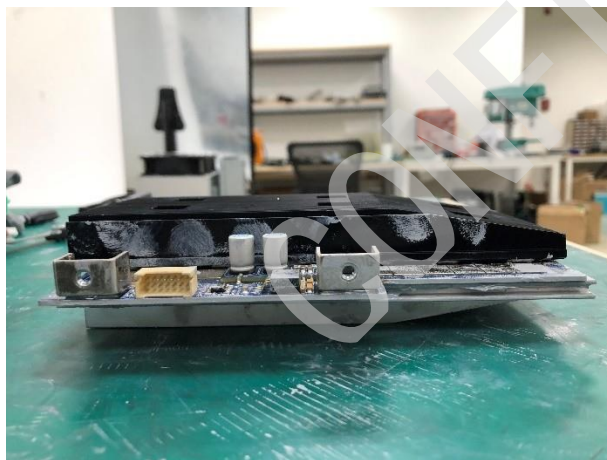


- Take out the fixed screws (18 in totals) and remove the heat sinks of the hash boards on both sides.  
(A hash board comprises three heat sinks in the rear and one heat sink in the front.)

### Additional Information:



- The top view of a front heat sink.
- Be aware that holes are unequally distributed in vertical direction.



- A hash board is perfectly in alignment with heat sinks.



**Additional Information:**

- Add on silicon thermal grease

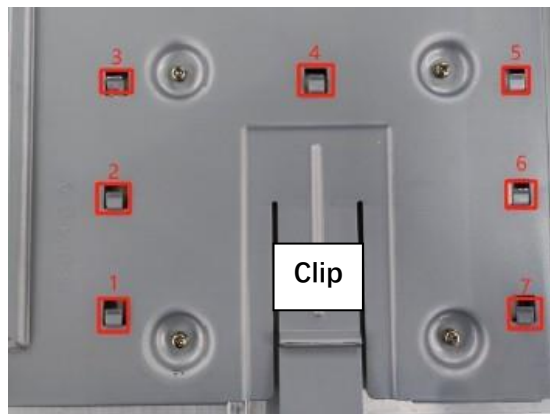
-Get some silicon thermal grease ( $2W/m \cdot K$ ) on the tip of finger and evenly spread out over the chips.

**Step 11:**

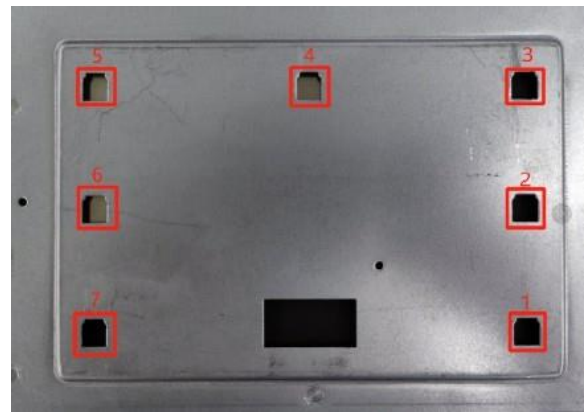
- Place the power supply upon the top and let the clip faces on you.



- Press down the clip and move the power supply away from you.

**Additional Information:**

Framework



Bottom of Power supply

The hooks on the framework correspond to the openings on the bottom of power supply. Let the clip face on you and align the power supply with framework. Push the power supply box towards you until hearing a click.



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To reassemble your device, follow these instructions in reverse order.