

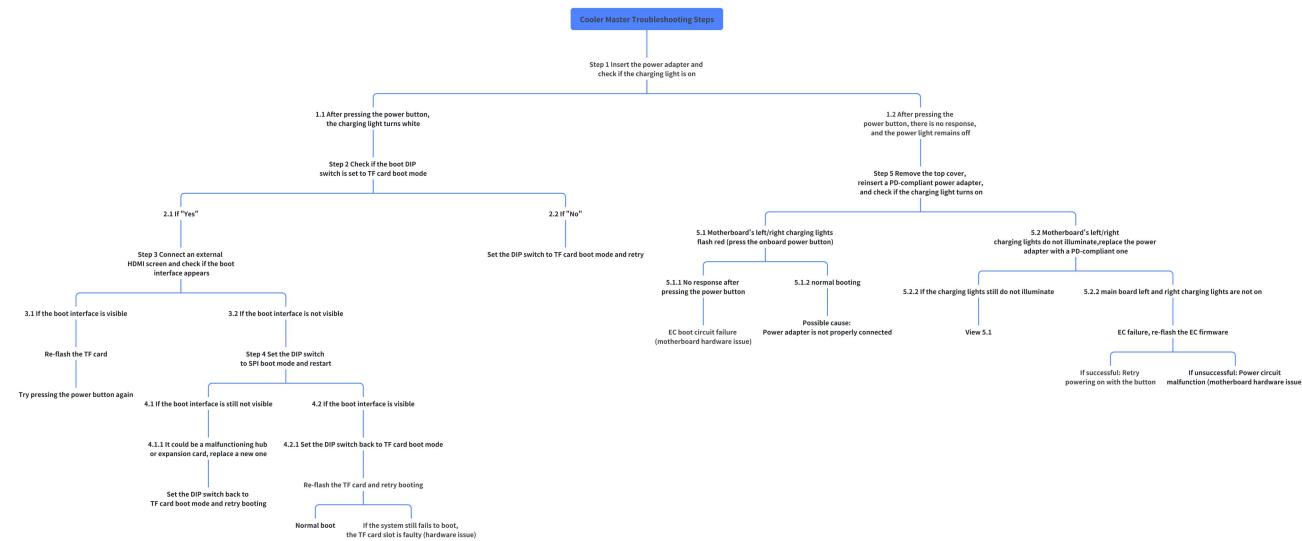


Troubleshooting Guide for DC-ROMA RISC-V Mainboard with Cooler Master Case

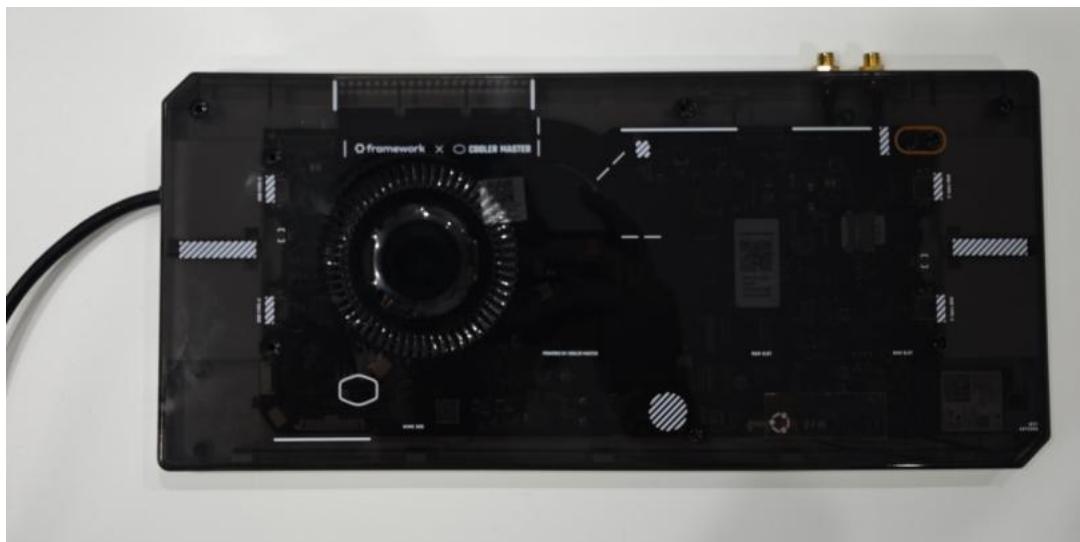
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Applicable product model	DC-ROMA RISC-V Mainboard I with Cooler Master Case
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Document user community	DC-ROMA RISC-V Mainboard I with Cooler Master Case Users
Hardware Specifications	The TF card used in this document is SanDisk HIGH ENDURANCE (32GB). For other compatible TF card, please refer to the Compatibility List

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Step 1: Insert the power adapter to check if the power charging light turns on

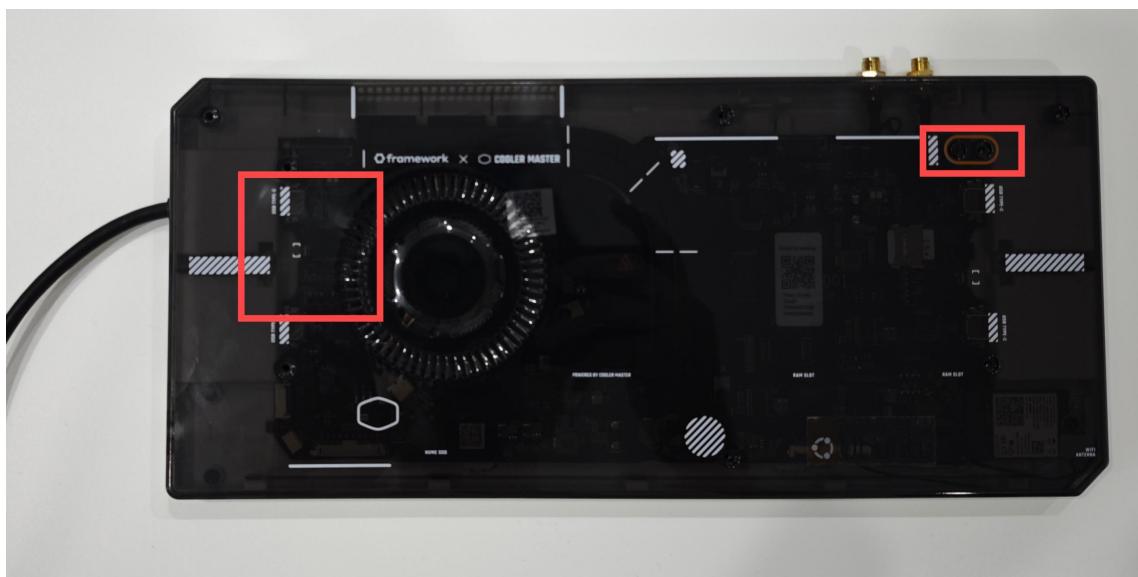


1.1 After pressing the power button, the charging light turns on



- If the power light is on, check if the boot DIP switch is set to TF card boot mode → [Proceed to Step 2](#)

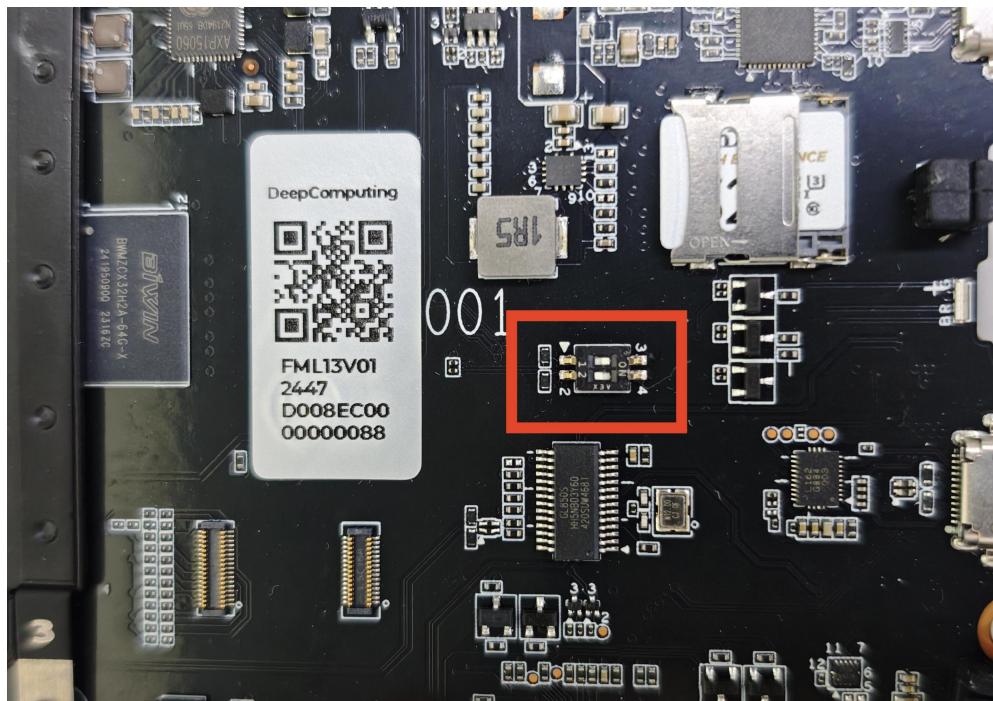
1.2 After pressing the power button, there is no response, and the power light remains off



- If the power light is off, remove the top cover, reinsert a USB-C PD power adapter into the Type-C port at the top-left or top-right of the Cooler Master, and check if the charging light turns on → [Proceed to Step 5](#)

Step 2: Verify whether the boot switch is set to TF card boot mode

2.1 Boot switch is set to TF card boot mode (as shown below)

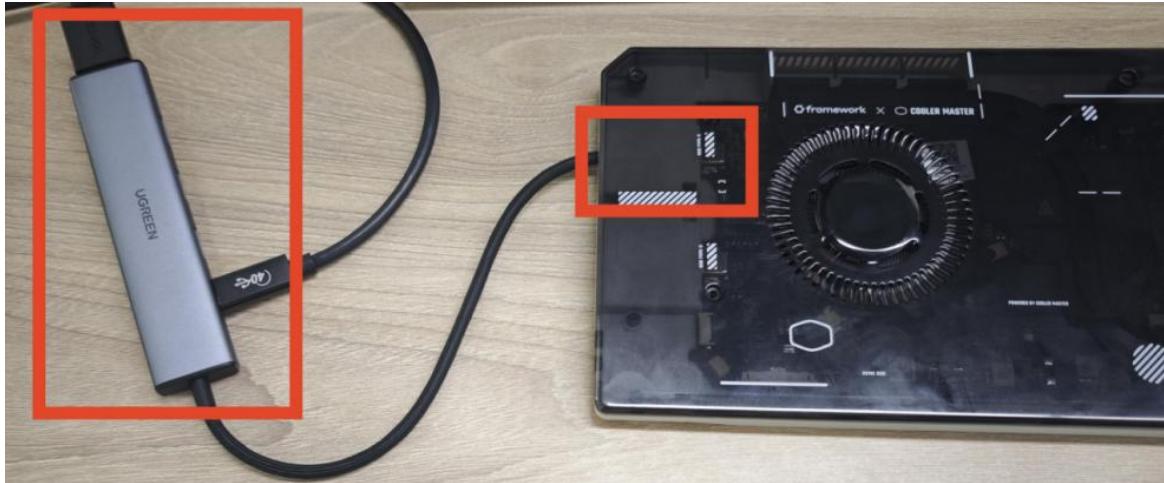


- If the boot switch is set to TF card boot mode, connect an external screen and check if the boot screen appears
→ [Proceed to Step 3](#)

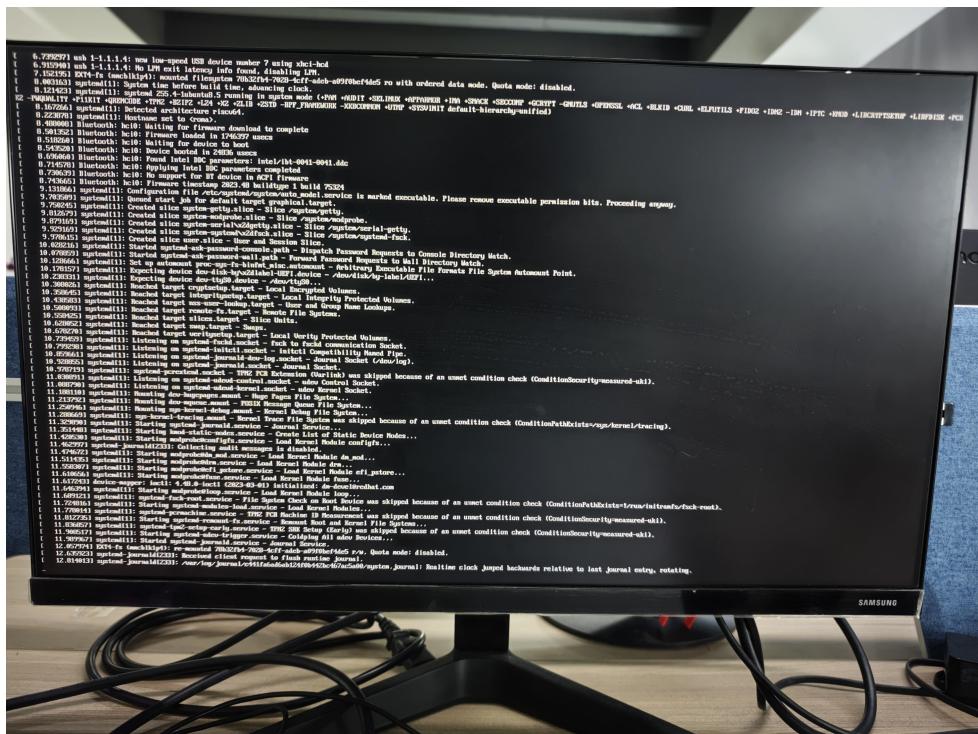
2.2 Boot switch is not set to TF card boot mode

- If the boot DIP switch is not set to TF card boot mode, reset it to TF card boot mode and press the power button again.

Step 3: Connect a external screen to check if the boot screen appears



3.1 If the boot screen is visible



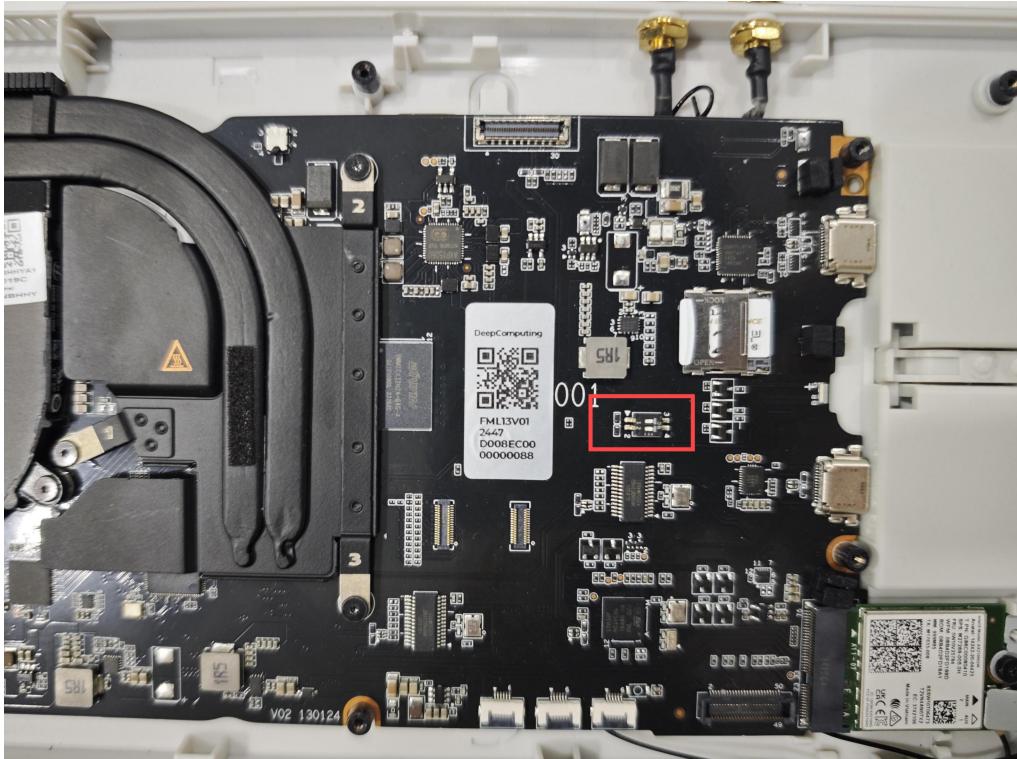
- If the boot screen is visible, re-flash the TF card and press the power button again.

3.2 If the boot screen is not visible



- If the boot screen is not visible, set the boot switch to SPI boot mode and restart → [Proceed to Step 4](#)

Step 4: Set the boot switch to SPI boot mode to check the boot screen



4.1 If the boot screen is still not visible

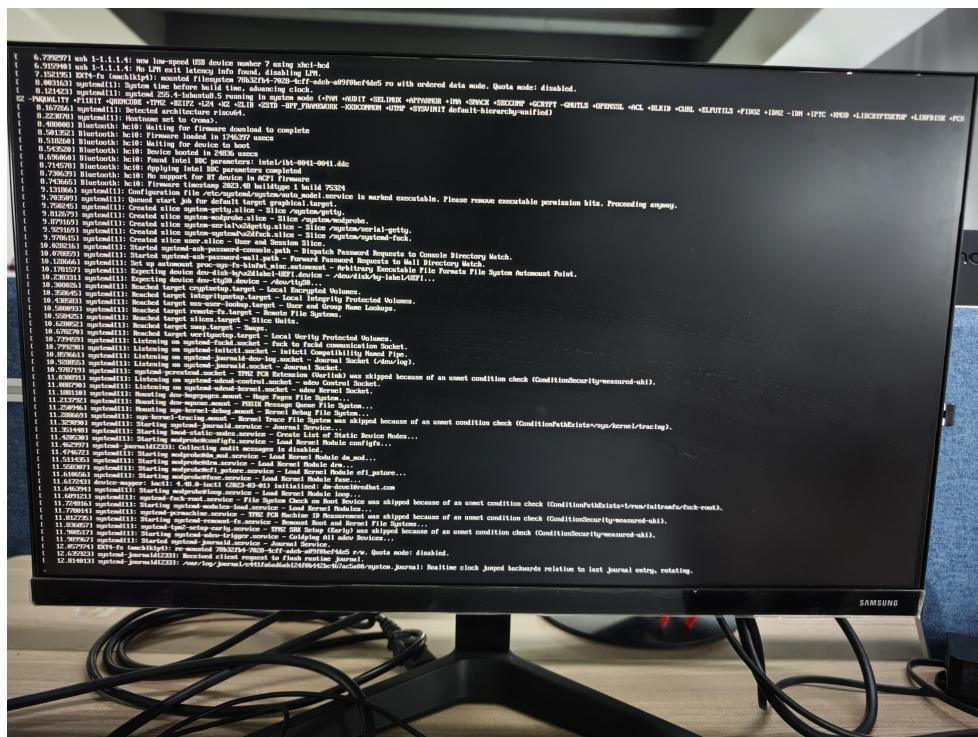


4.1.1 It could be a malfunctioning hub or expansion card, replace a new one

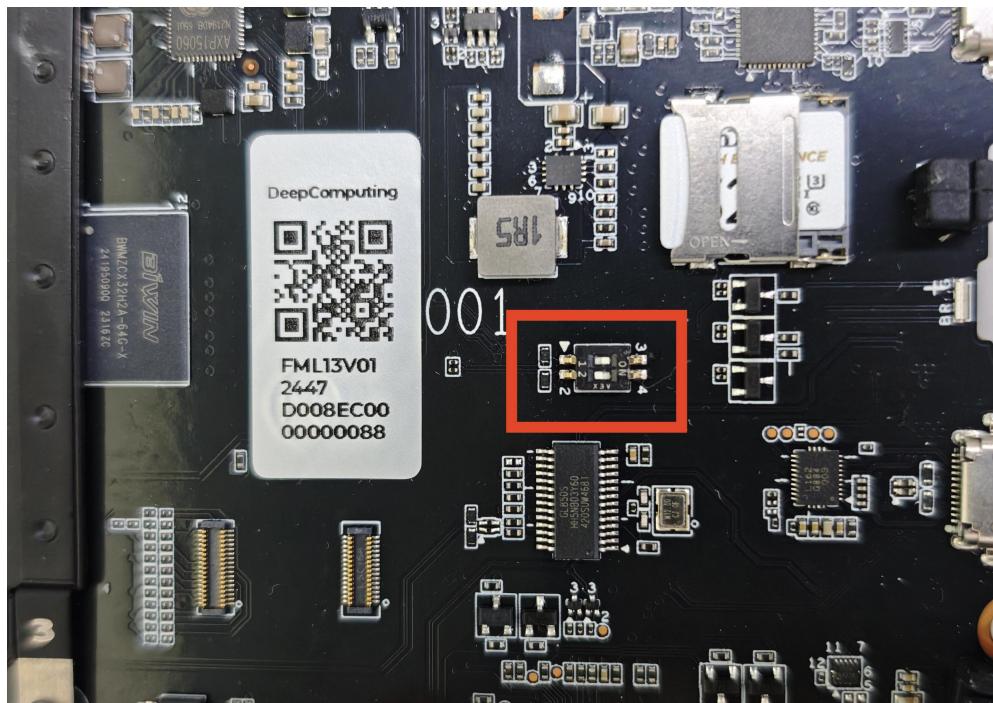


- After replacement, reset the boot switch to TF card boot mode and press the power button again.

4.2 If the boot screen is visible



4.2.1 Reset the boot switch to TF card boot mode



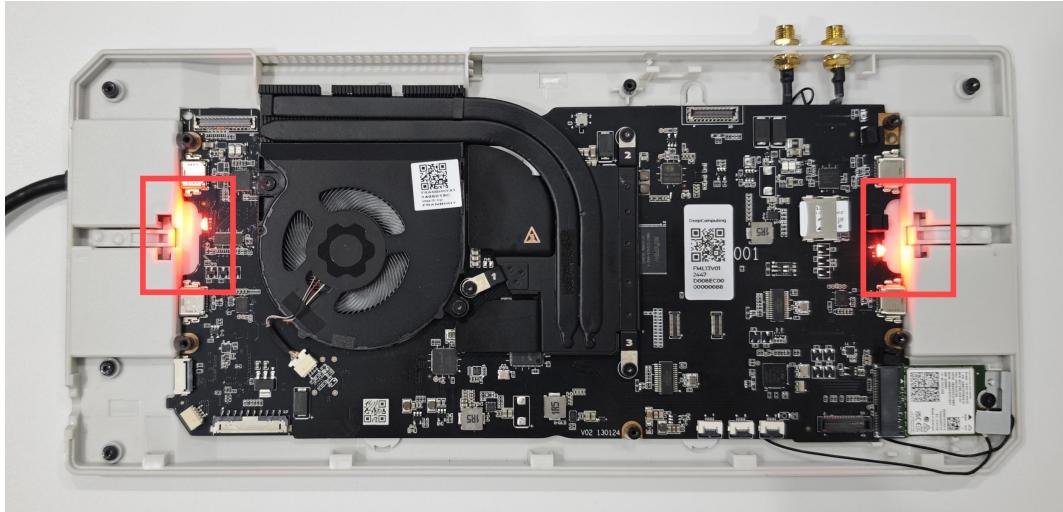
- Reflash the TF card and press the power button again.

Scenario 1: System boots normally.

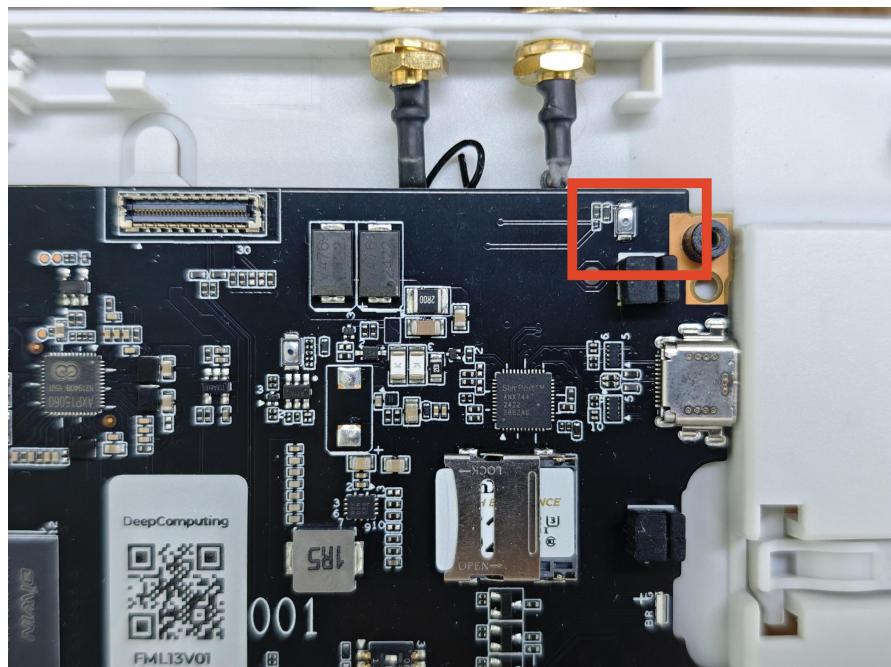
Scenario 2: System still fails to boot, it could be due to a TF card slot hardware failure. Contact support@deepcomputing.io

Step 5: Reinsert a USB-C PD power adapter to check if the charging light turns on

5.1 After connecting a power adapter that supports the PD protocol, if the left/right charging indicators flash red, press the power button to start the device.



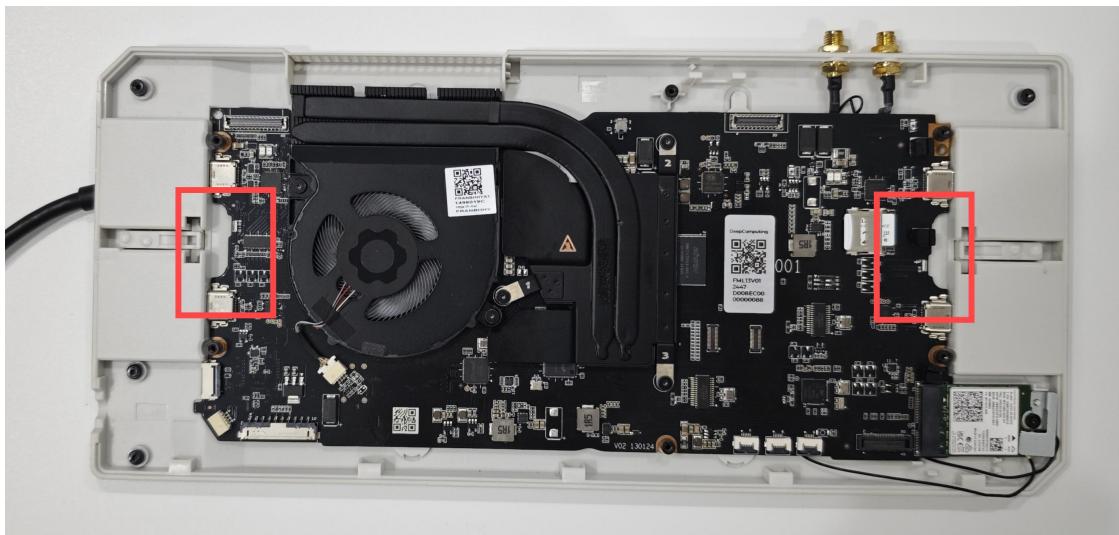
5.1.1 No response after pressing the mainboard power button



- If there is no response after pressing the power button, this indicates an EC power circuit failure. Contact support@deepcomputing.io

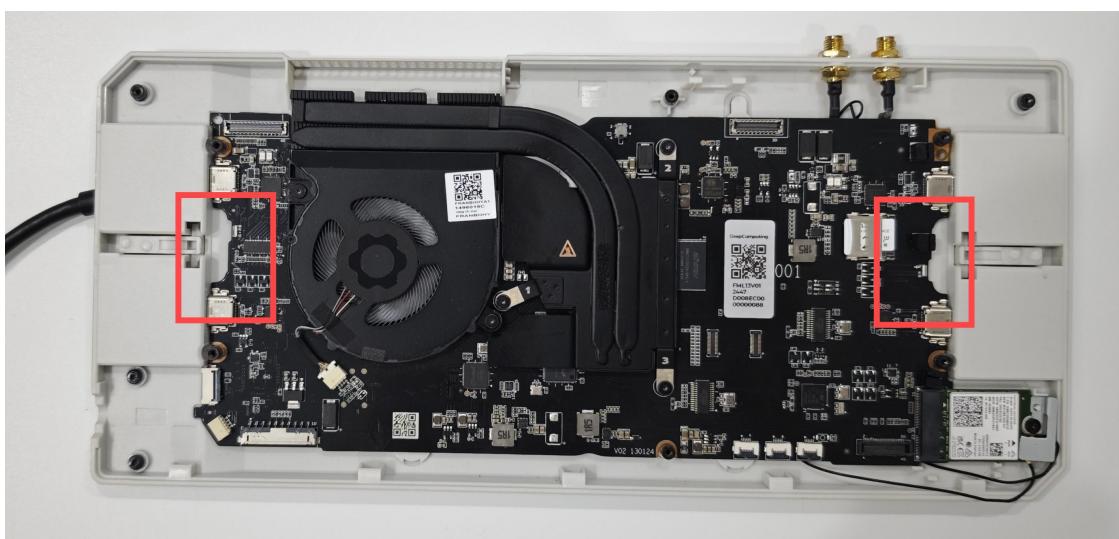
5.1.2 System powers on normally after pressing the power button. This indicates the power adapter was not properly connected.

5.2 Left/right charging lights remain off. Replace with a USB-C PD power adapter.



5.2.1 After replacing the adapter, the left/right charging lights flash red → [Refer to 5.1](#)

5.2.2 After replacing the adapter, the left/right charging lights remain off



- If the charging lights remain off, this indicates an EC firmware failure. Reflash the EC firmware using the instructions on GitHub: [Firmware Flashing Guide](#)

Scenario 1: EC firmware is successfully flashed. Press the power button again.

Scenario 2: Flashing fails. This indicates a power circuit failure. Contact support@deepcomputing.io