



UCTRONICS RM0004 Pi Rack Pro for Raspberry Pi 4B Installation Guide

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Enable i2c1 and set the speed

sudo nano /boot/config.txt Add the following command to **/boot/config.txt** file:
dtparam=i2c_arm=on,i2c_arm_baudrate=400000
Save and exit.

Add the shutdown function

Press the power button and then configure the following script to use the safe shutdown function.

sudo nano /boot/config.txt

Add the following command to the **/boot/config.txt** file:

dtoverlay=gpio-shutdown,gpio_pin=4,active_low=1,gpio_pull=up

Save and exit, then reboot:

sudo reboot

Configure manual start script

Clone SKU_RM0004 library

git clone https://github.com/UCTRONICS/SKU_RM0004.git

Compile

cd SKU_RM0004

make

Run

./display

Then Add automatic start script

Open the rc.local file

sudo nano /etc/rc.local

Add command to the0of the **rc.local** file

cd /home/pi/SKU_RM0004

make clean

make

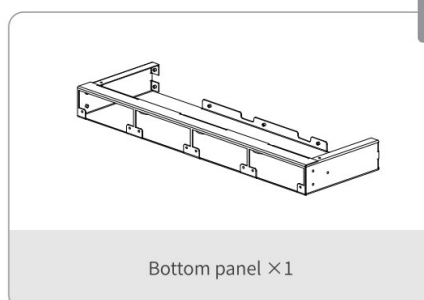
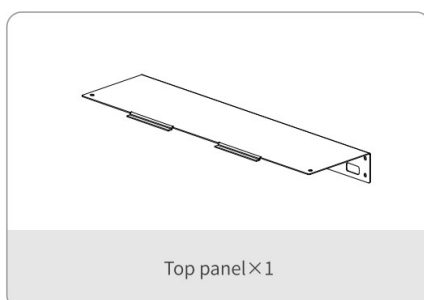
./display &

Save and exit, then reboot: **sudo reboot**

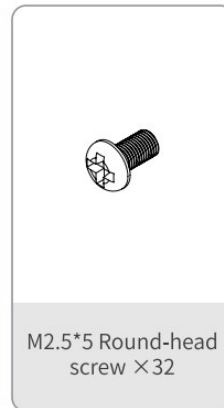
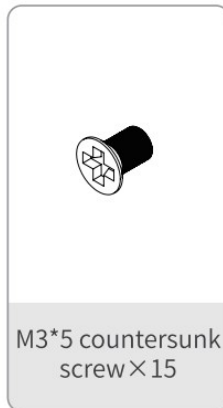
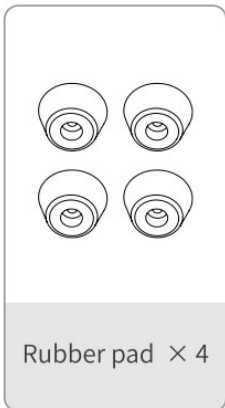
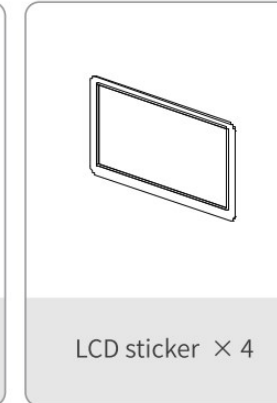
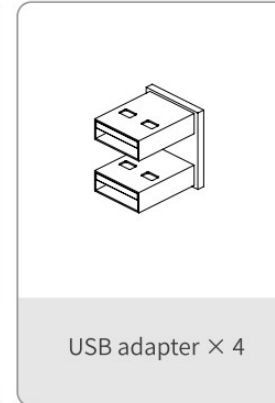
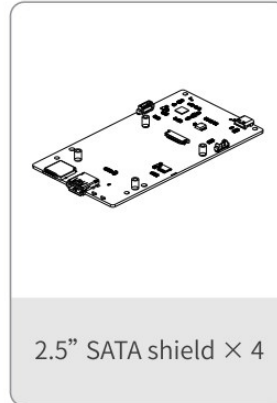
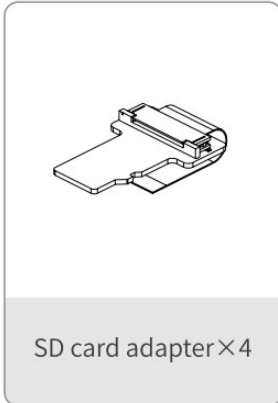
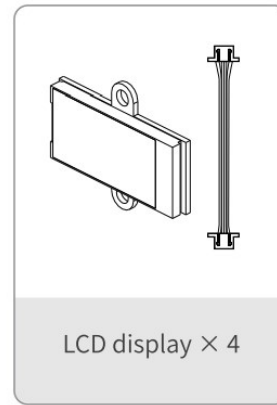
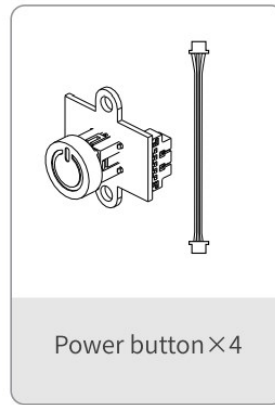
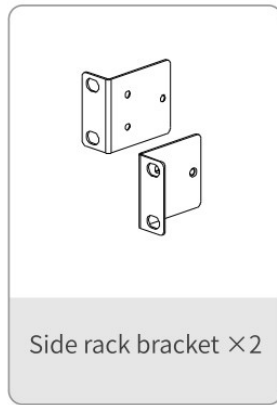
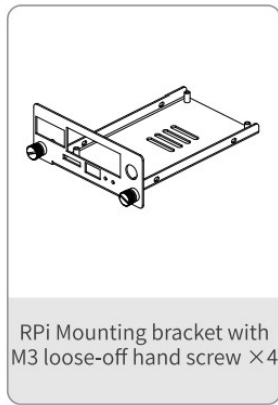
Enjoy

Now your OLED display is configured to display the IP/CPU/RAM/DISK/TEMP, while enjoying the safe shutdown and power on with just a press of the on/off button.

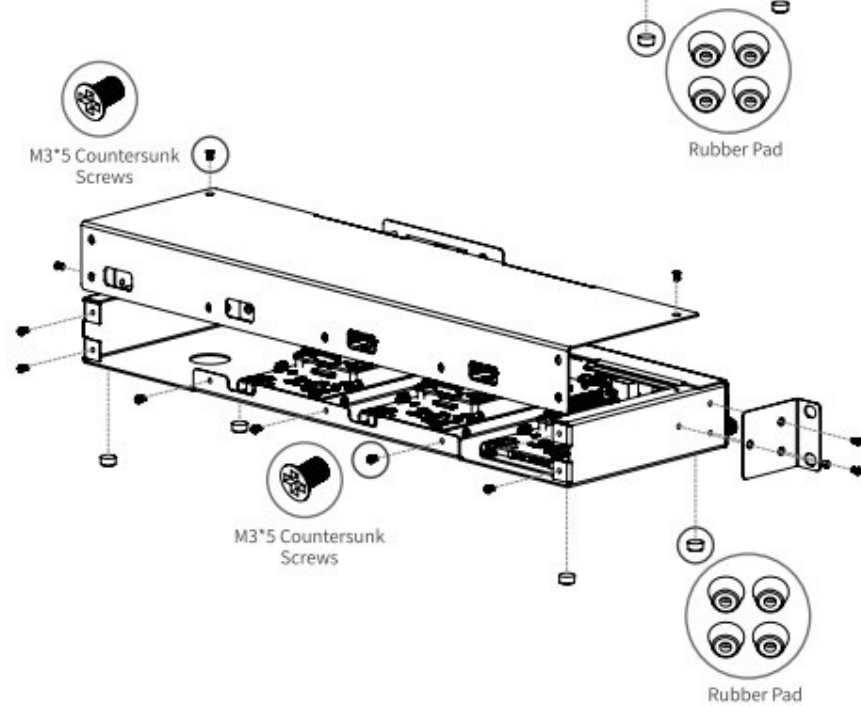
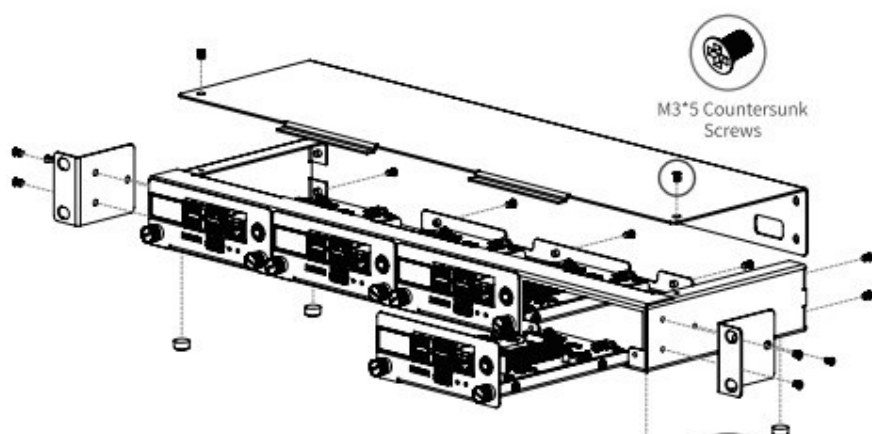
PACKAGE CONTENTS

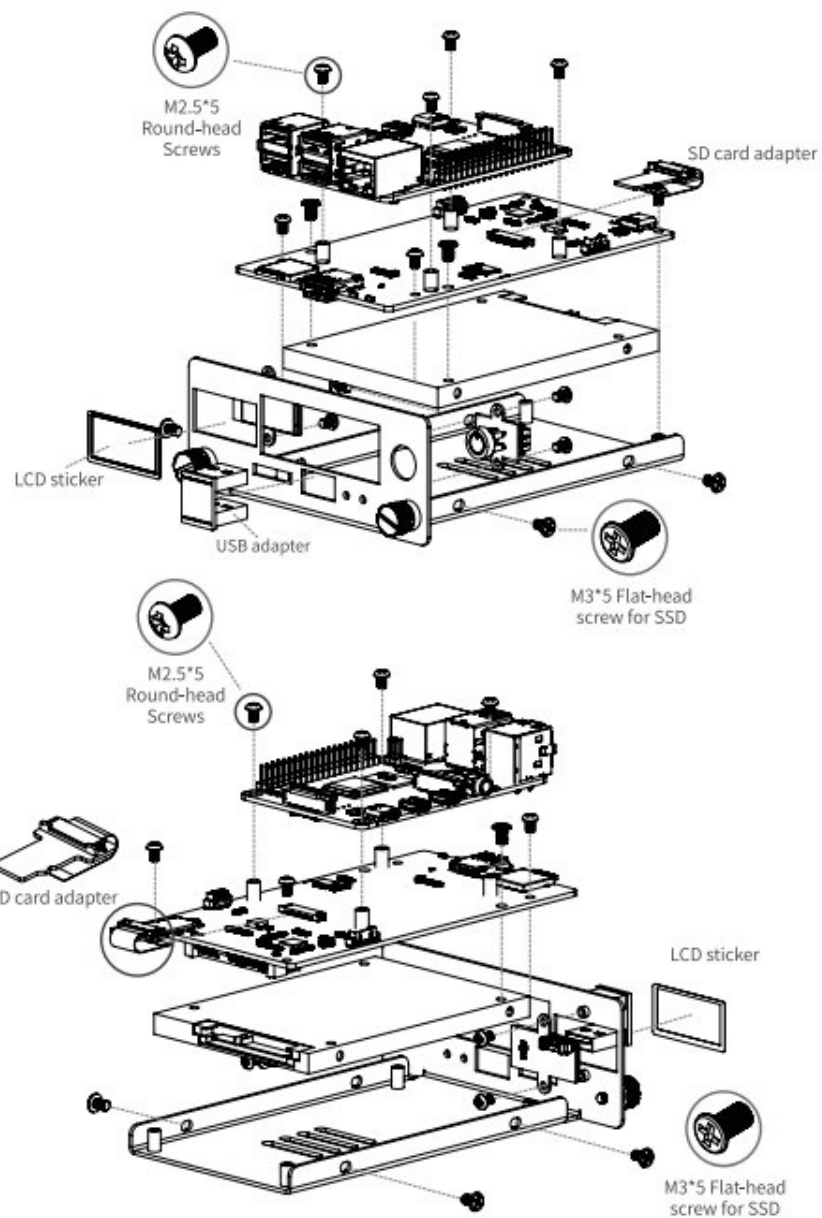


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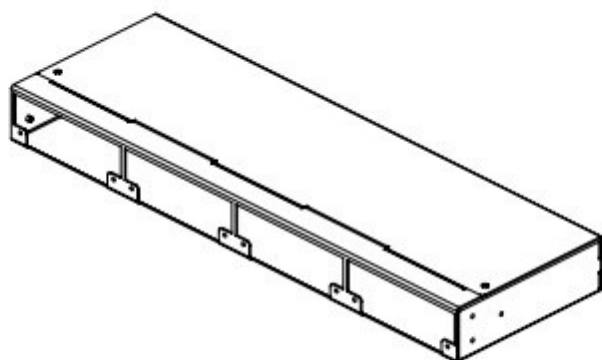
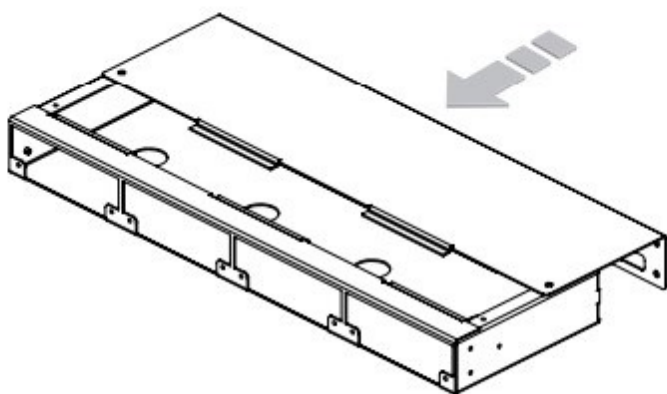


EXPLODED VIEW

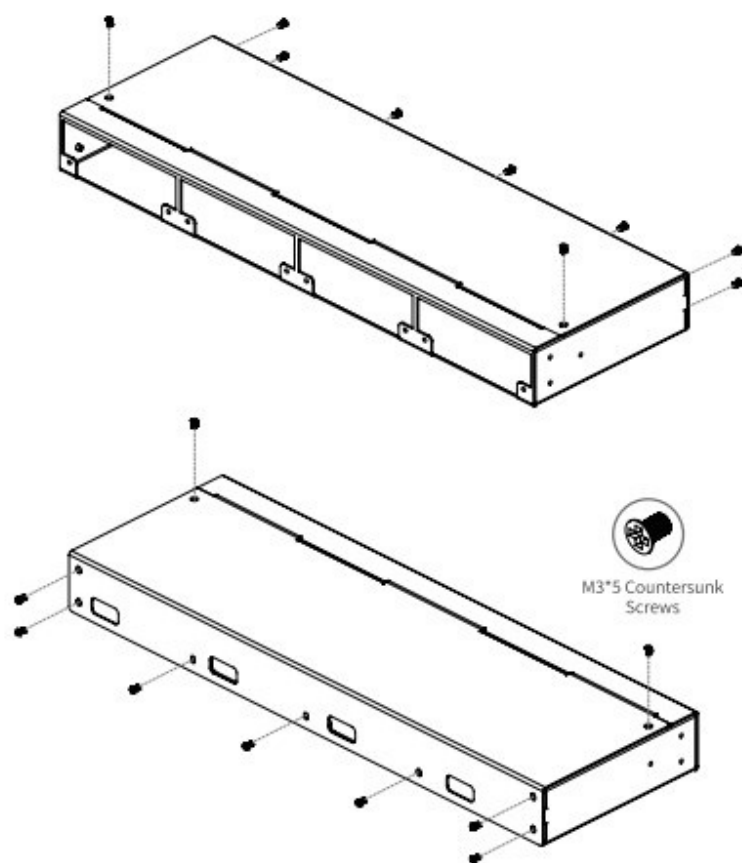




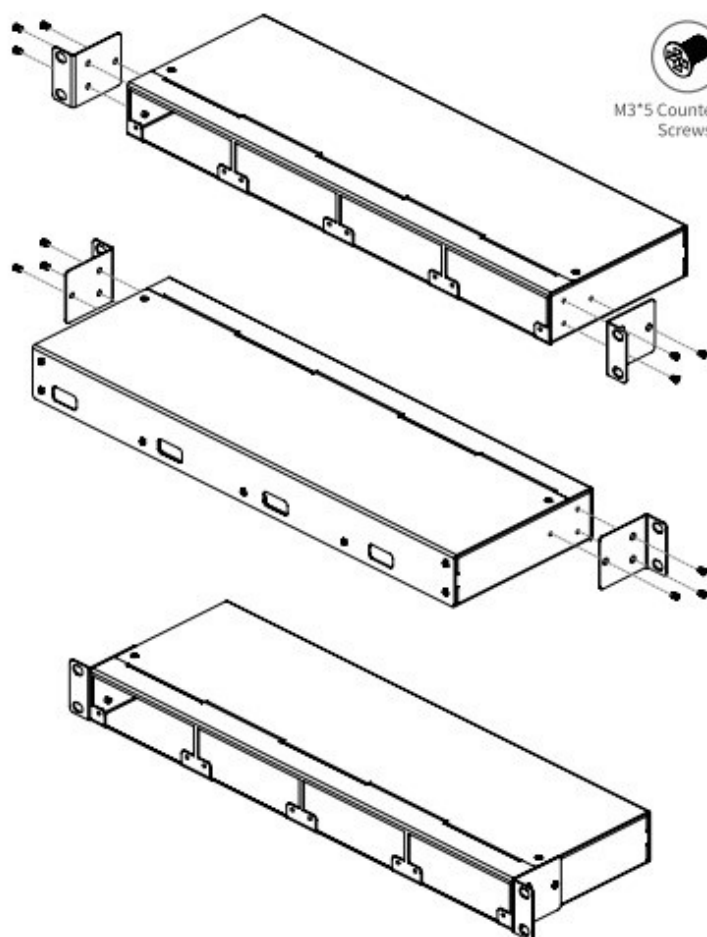
INSTALLATION



Attach the top panel to the bottom panel

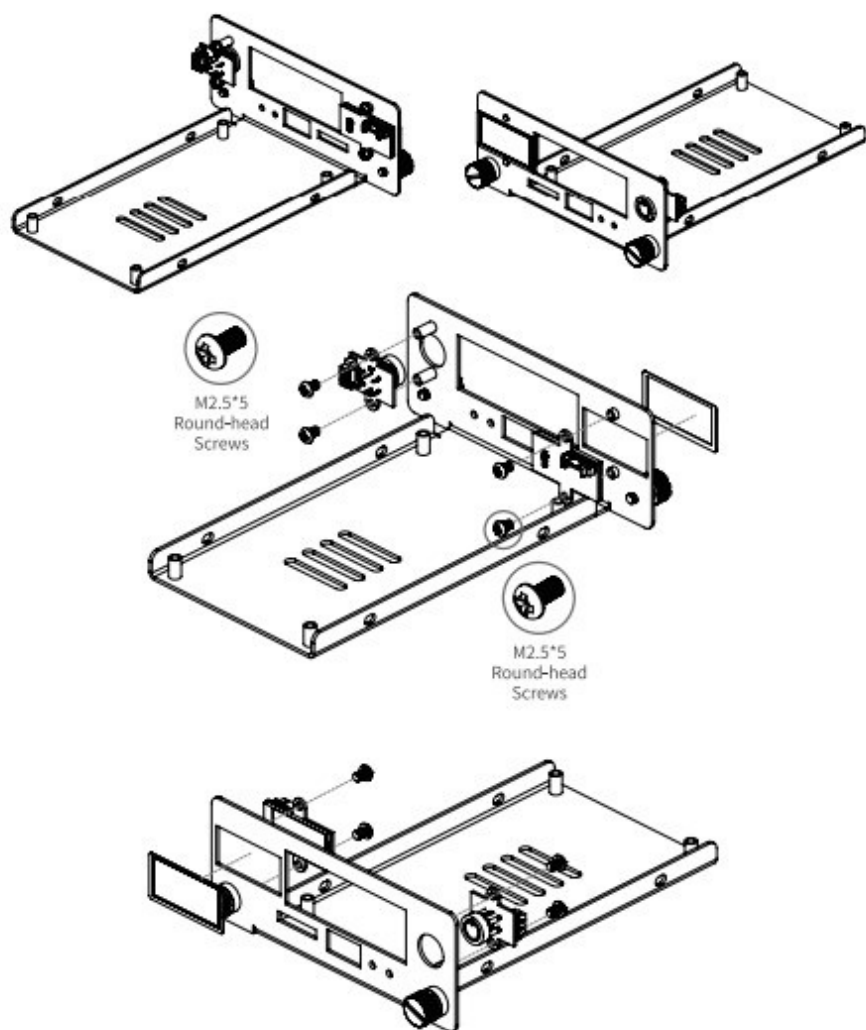


Fix the metal housing with M3*5 screws

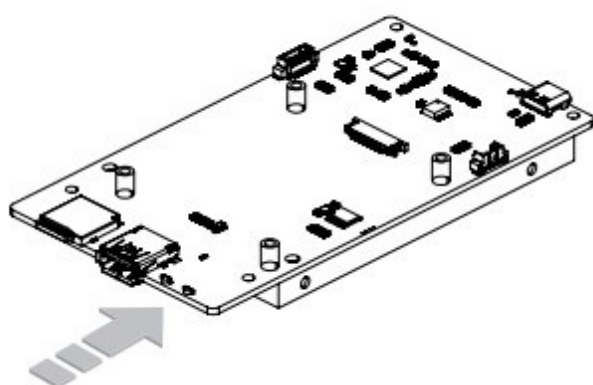
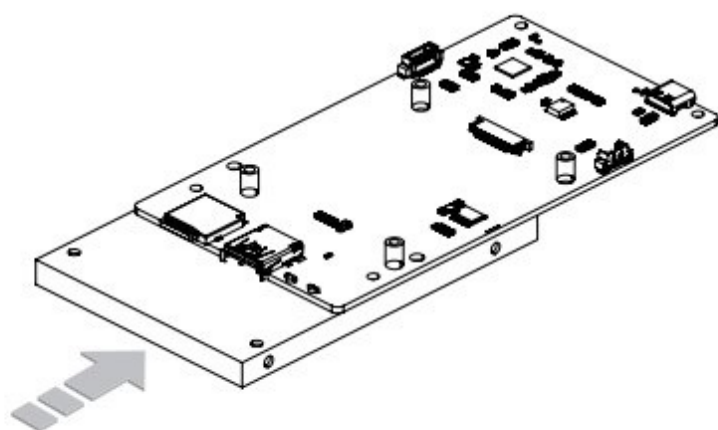


M3*5 Countersunk
Screws

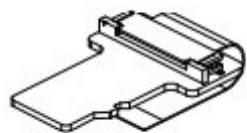
Use M3*5 countersunk screws to fix the side bracket to the housing.



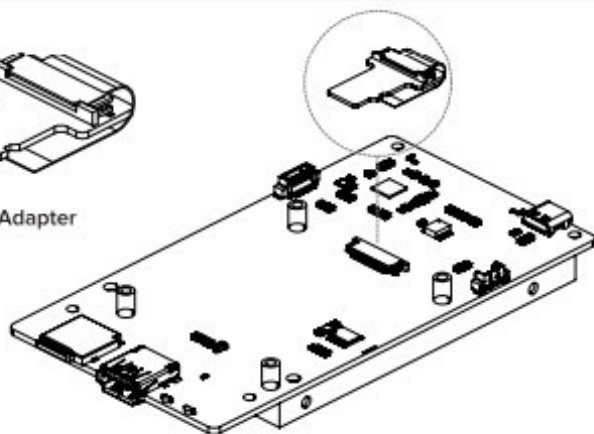
Fix the LCD display and power button with M2.5*5 round-head screws, then attach the stickers.



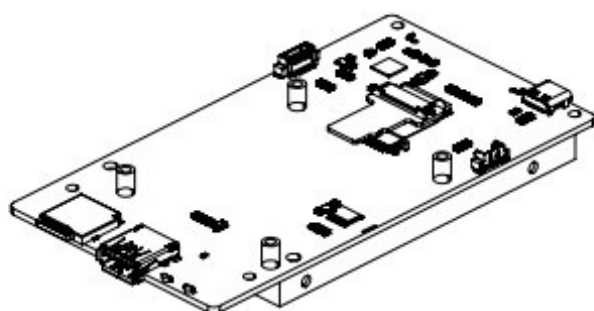
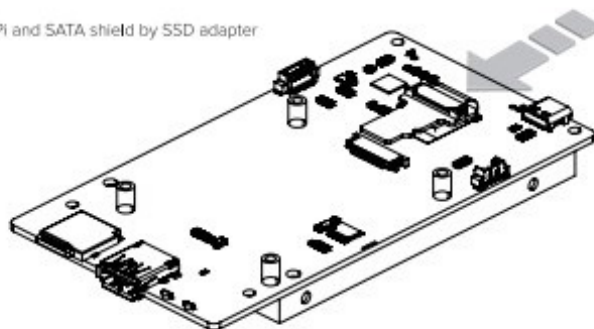
Attach the 2.5" SSD to the SATA shield.

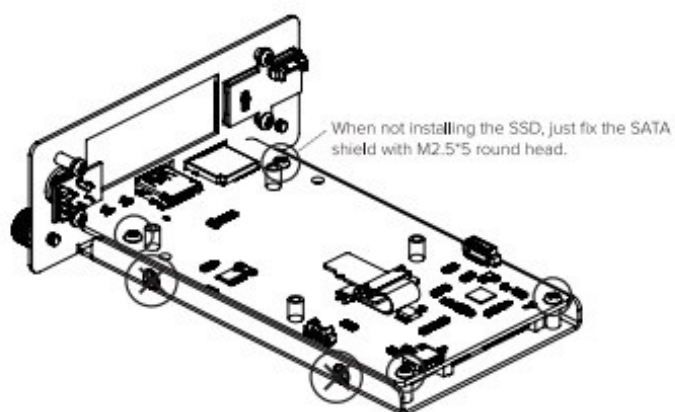
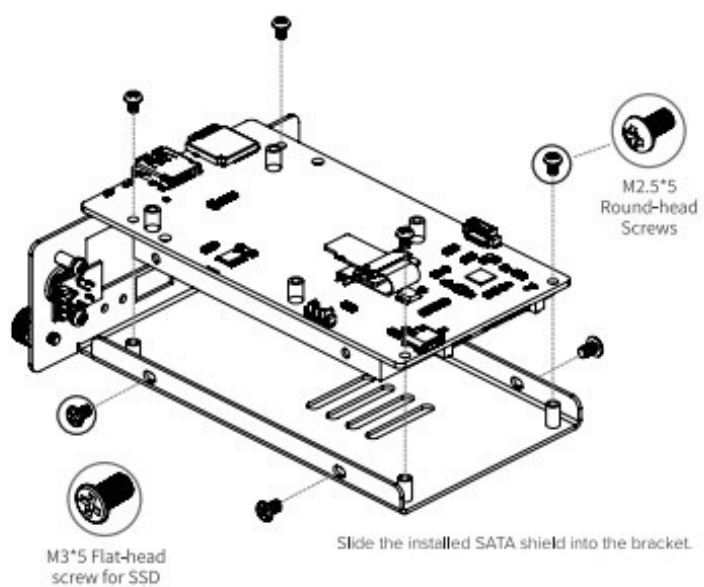


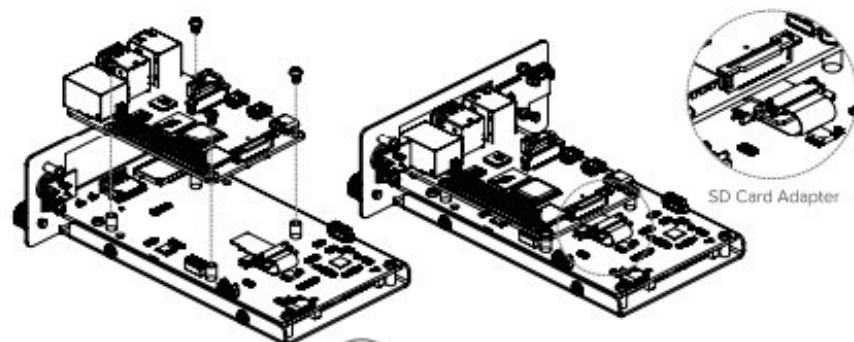
SD Card Adapter



Connect Pi and SATA shield by SSD adapter





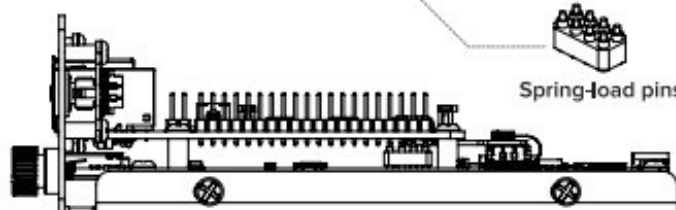
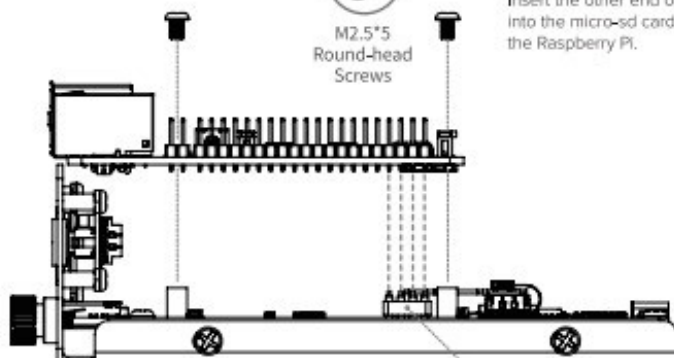


SD Card Adapter



M2.5*5
Round-head
Screws

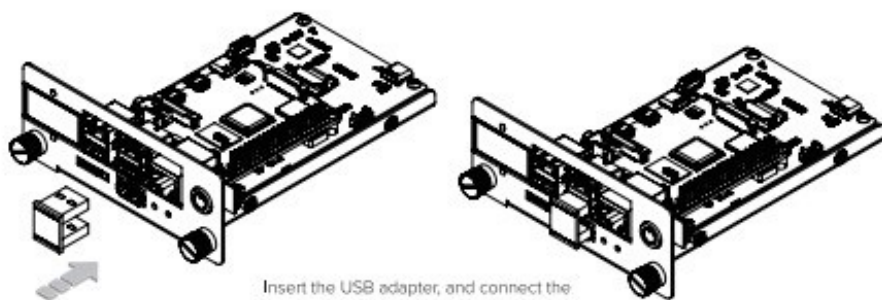
Insert the other end of the sd card adapter into the micro-sd card slot on the back of the Raspberry Pi.



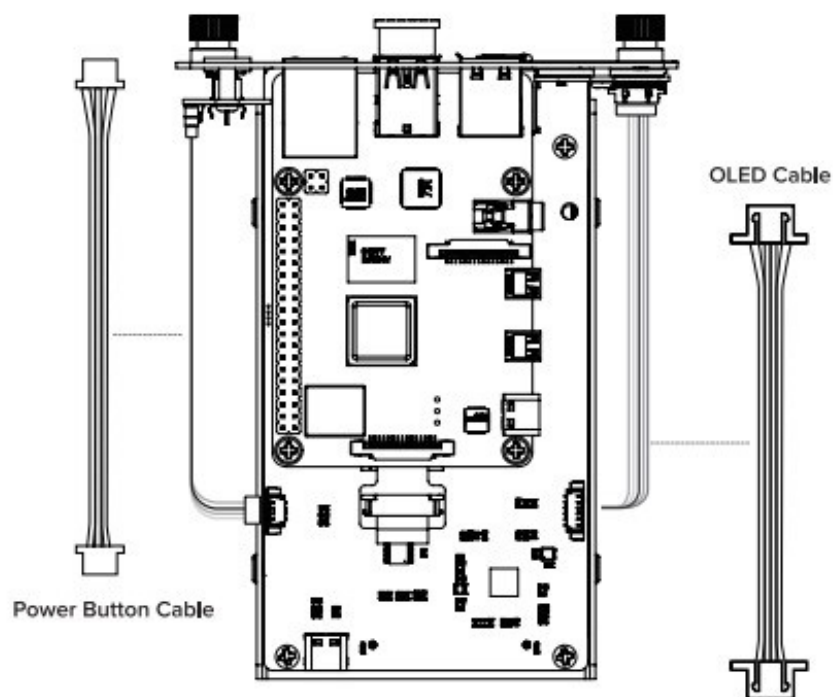
Spring-load pins

NOTE:

Please pay attention to the Raspberry Pi GPIO-8 tightly against the yellow spring pin on the SATA shield, otherwise, it may cause no power supply.



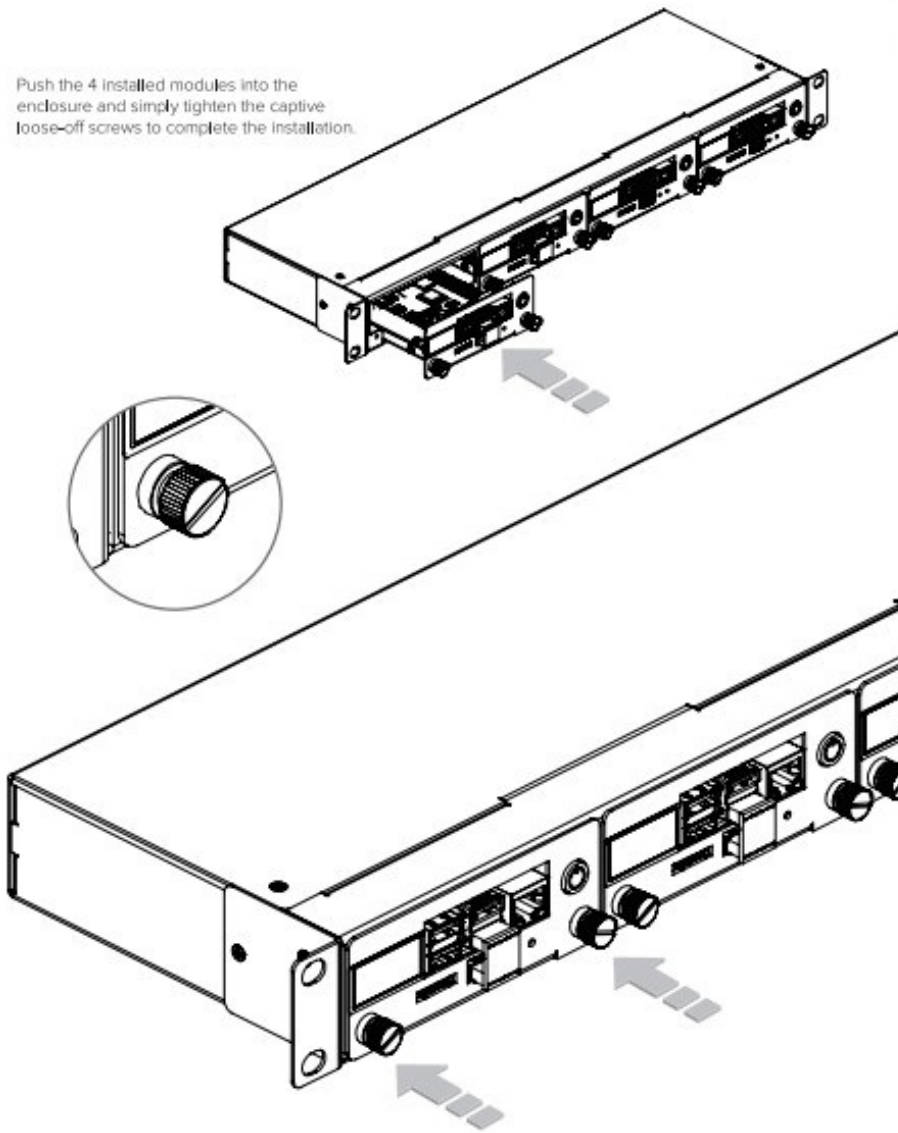
Insert the USB adapter, and connect the
SATA shield and PI.



Power Button Cable

OLED Cable

Push the 4 installed modules into the enclosure and simply tighten the captive loose-off screws to complete the installation.



CONTACT US

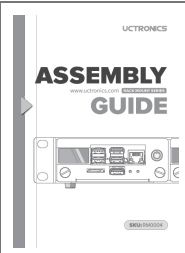
If any problem, feel free to contact us.

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Email: support@uctronics.com

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Documents / Resources

	UCTRONICS RM0004 Pi Rack Pro for Raspberry Pi 4B [pdf] Installation Guide RM0004 Pi Rack Pro for Raspberry Pi 4B, RM0004, Pi Rack Pro for Raspberry Pi 4B, Raspberry Pi 4B
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