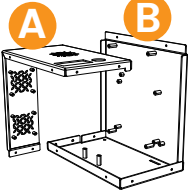
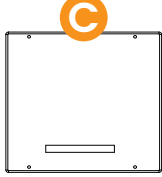


Mini PC Case Assembly Guide for RPI5

Preparation



Mini Pc case_top
Mini Pc case_bottom



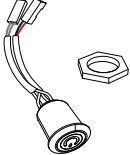
Mini Pc case_front



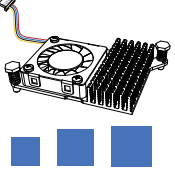
Raspberry Pi 5
Case Side Panel



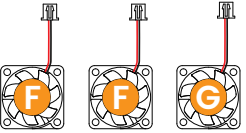
Raspberry Pi 5
Interface Panel



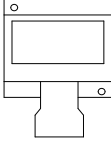
Metal_Switch



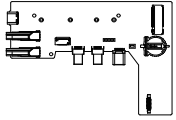
Raspberry Pi 5 Cooler



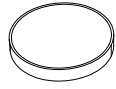
Fans



OLED Module



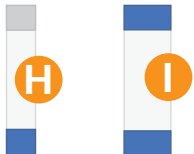
PCIE to SSD
Adapter Board



CR1220 Battery



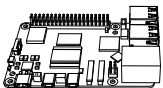
16Pin_PCIE



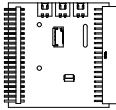
7Pin_FPC
10Pin_FPC



2Pin_Terminal Wire



Raspberry Pi 5
Need to be purchased separately



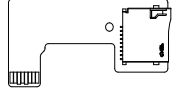
Raspberry Pi 5
GPIO adapter



Screwdriver



Black silicone pad
×4



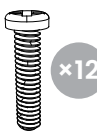
TF card adapter



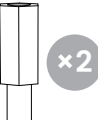
M2*5.5+3_Stud



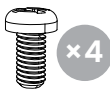
CM2*6_Screw ×14
CM2*4_Screw ×12



PWM2*10_Screw ×12



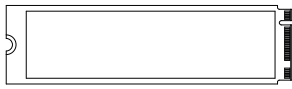
M2*6.5+3_Stud ×2



PM3*6_Screw ×4



M2*3_Screw



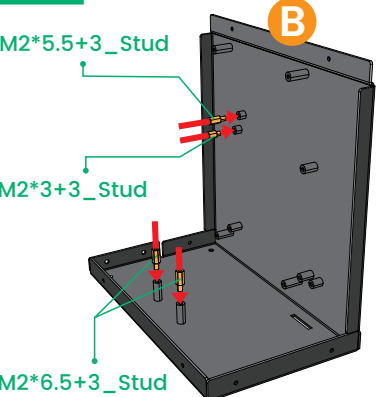
Solid State Drive
Need to be purchased separately



Aluminum Alloy Mat ×4

Assembly Steps

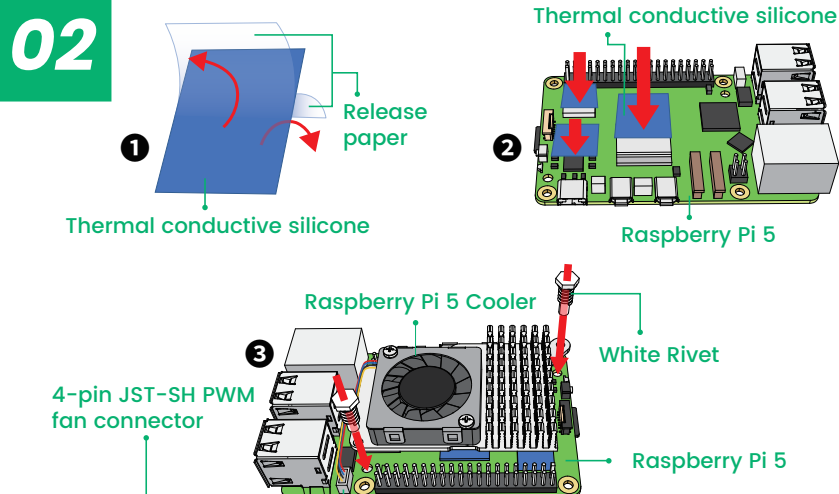
01



M2*5.5+3_Stud
M2*3+3_Stud
M2*6.5+3_Stud

Stud Installation Diagram

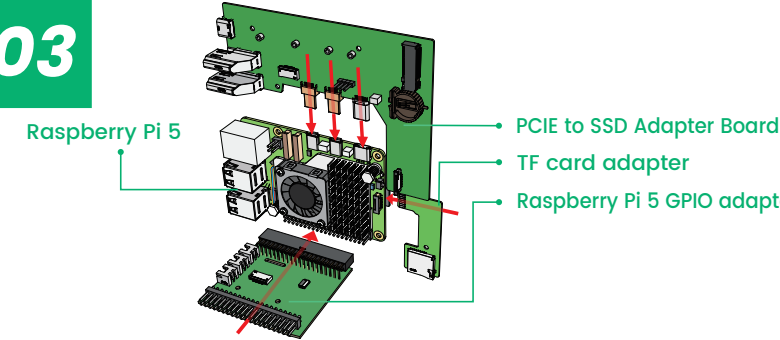
02



Thermal conductive silicone
Release paper
Thermal conductive silicone
Raspberry Pi 5
Raspberry Pi 5 Cooler
White Rivet
4-pin JST-SH PWM fan connector
Raspberry Pi 5

Raspberry Pi 5 Cooler Connection Diagram

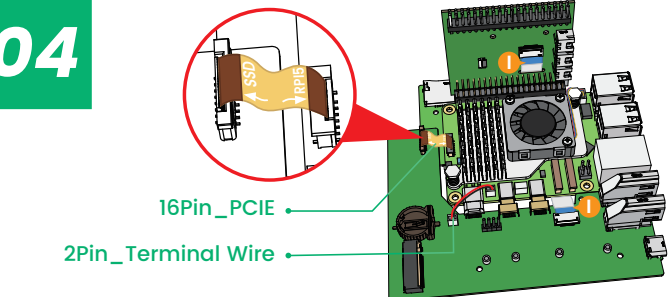
03



Raspberry Pi 5
PCIE to SSD Adapter Board
TF card adapter
Raspberry Pi 5 GPIO adapter

Installation Diagram for PCIE to SSD Adapter Board, TF Card Adapter, and Raspberry Pi 5 GPIO Adapter

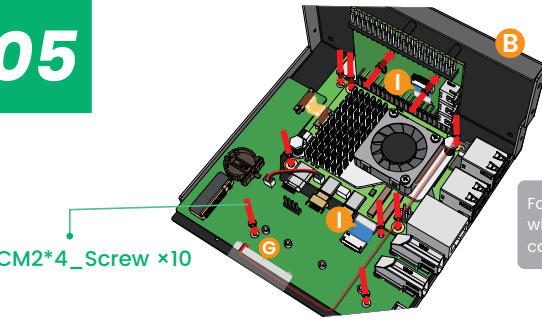
04



16Pin_PCIE
2Pin_Terminal Wire

16Pin_PCIE, 2Pin_Terminal Wire, 10Pin_FPC Connection Diagram

05

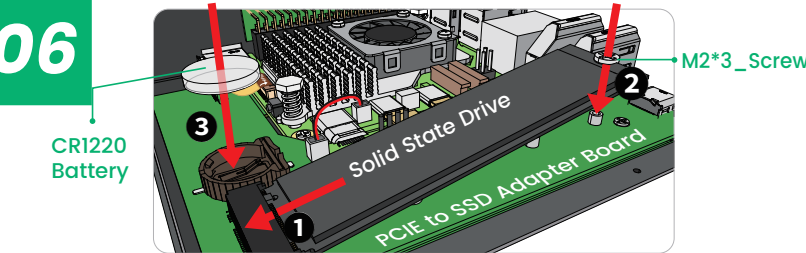


CM2*4_Screw ×10

For Mini PC Case aesthetics, Fan G with sticker can be pre-installed, cables behind PCB, as shown.

Installation Diagram for 10 CM2*4_Screws

06

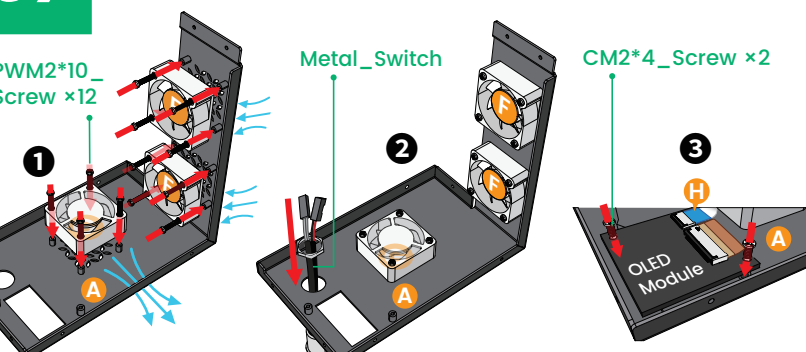


CR1220 Battery
Solid State Drive
M2*3_Screw

Installation Diagram for Solid State Drive and CR1220 Battery

The solid-state drive (SSD) should be purchased separately. Supported SSD sizes: 2230, 2242, 2260, 2280. If you do not need to assemble the SSD, you can ignore this step.

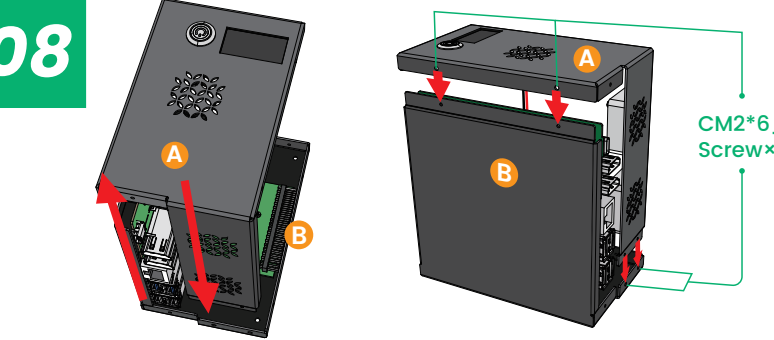
07



PWM2*10_Screw ×12
Metal_Switch
CM2*4_Screw ×2

Fans Installation Diagram
Metal_Switch Installation Diagram
OLED Module Installation Diagram

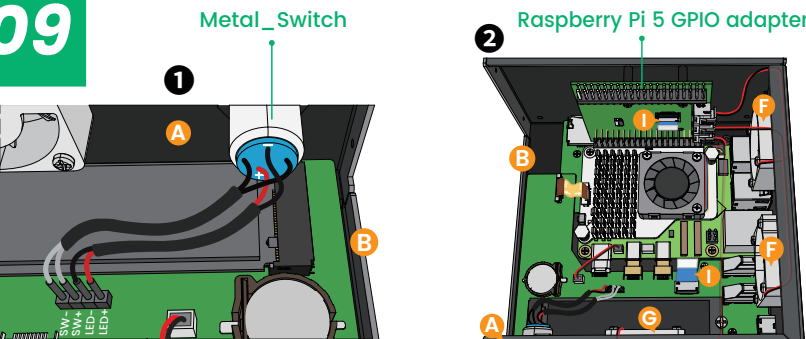
08



CM2*6_Screw ×4

Mini PC Case Top and Bottom Installation Diagram

09

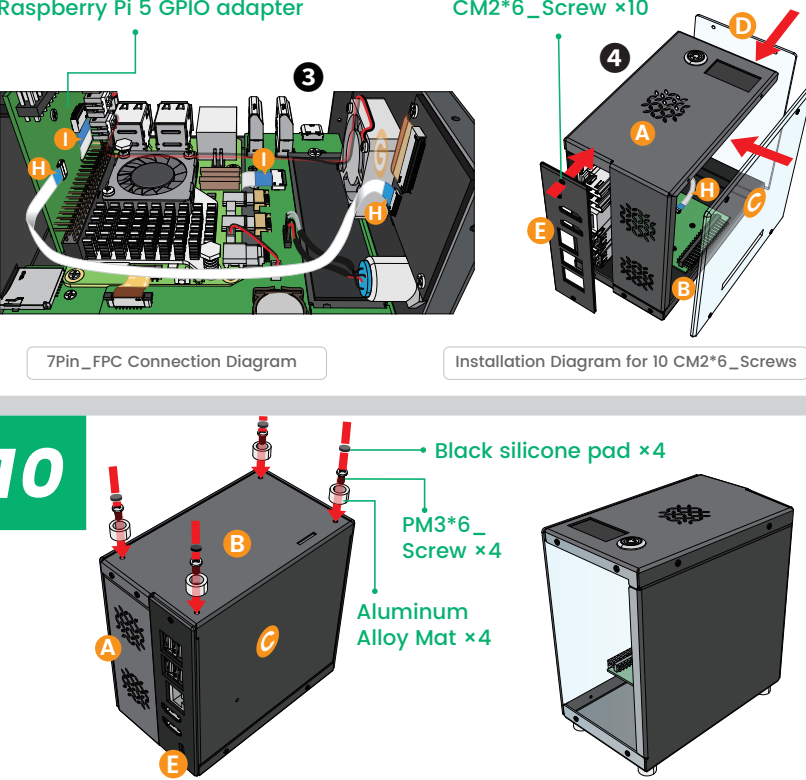


Metal_Switch
Raspberry Pi 5 GPIO adapter

Metal_Switch Connection Cables Diagram
Fan Connection Cables Diagram

Connect the red wire to LED+, the black wire to LED-, and the grey wires to SW+ and SW- in any order.

10



Raspberry Pi 5 GPIO adapter
CM2*6_Screw ×10
Black silicone pad ×4
PM3*6_Screw ×4
Aluminum Alloy Mat ×4

7Pin_FPC Connection Diagram
Installation Diagram for 10 CM2*6_Screws

Aluminum Alloy Mat Installation Diagram
Installed

Note:
Metal_Switch Function:

- Short Press (1s): Power on.
- Long Press (5s) and Release: The screen displays "Power Off," and the system waits for 5s before shutting down.

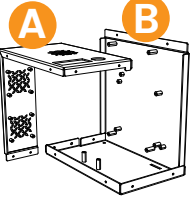
https://drive.google.com/drive/folders/14QB_eCKqBgupR0OfekWJwF35kZT6SiLa?usp=sharing

Firmware, system services, and installation QR code/link:

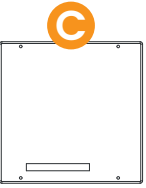


Mini PC Case Assembly Guide for Jetson Orin Nano

Preparation



Mini Pc case_top
Mini Pc case_bottom



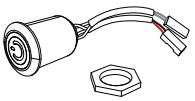
Mini Pc case_front



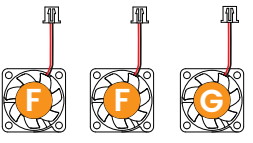
Jetson Orin Nano
Case Side Panel



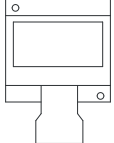
Jetson Orin Nano
Interface Panel



Metal_Switch



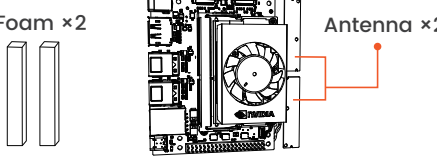
Fans



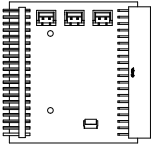
OLED Module



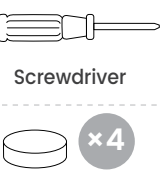
7Pin_FPC



Foam ×2
Antenna ×2
Jetson Orin Nano
Need to be purchased separately



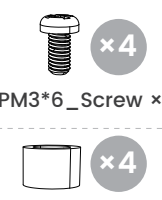
Jetson Orin Nano
GPIO adapter



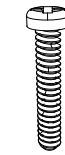
Screwdriver
Black silicone pad ×4



CM2*6_Screw ×14
CM2*4_Screw ×8



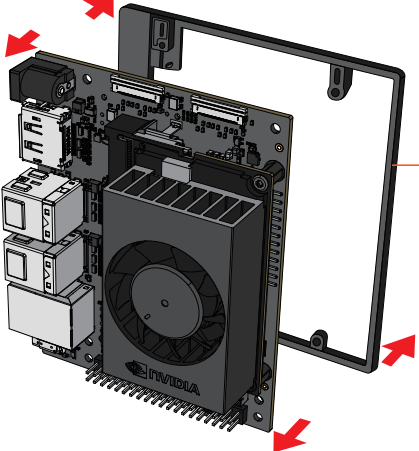
PM3*6_Screw ×4
Aluminum Alloy Mat ×4



PWM2*10_Screw ×12

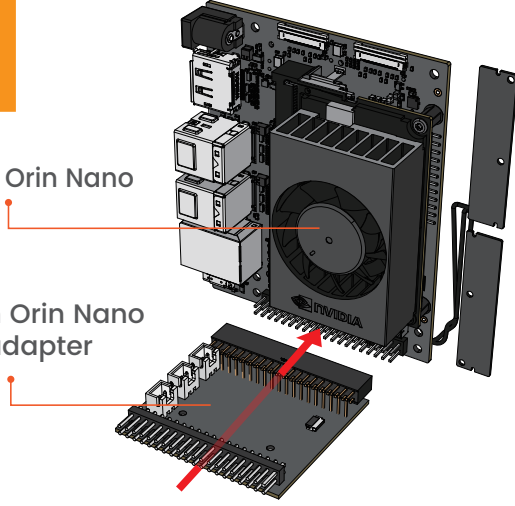
Assembly Steps

01



Remove the official enclosure of Jetson Orin Nano.

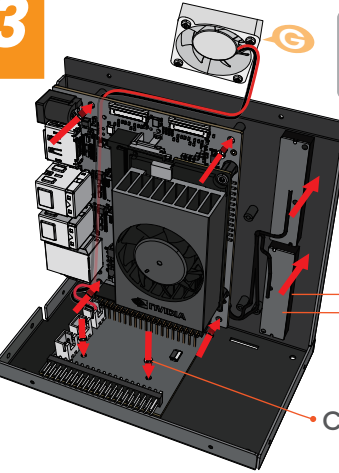
02



Jetson Orin Nano
Jetson Orin Nano GPIO adapter

Jetson Orin Nano GPIO Adapter Installation Diagram

03

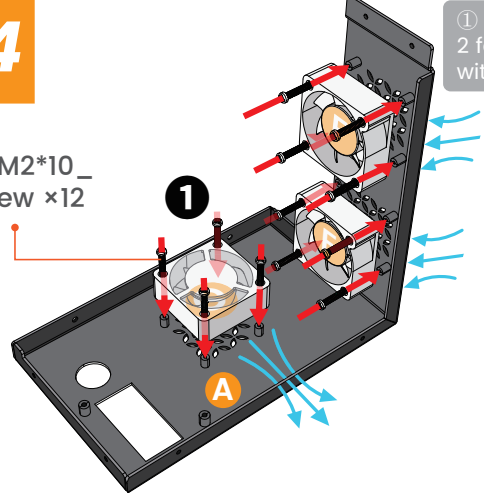


Fan G with sticker can be pre-installed, cables behind PCB, as shown.

Foam
Antenna
CM2*4_Screw ×6

Installation Diagram for 6 CM2*4_Screws

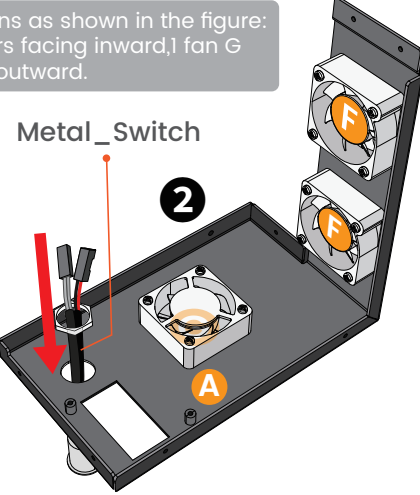
04



① Assemble the fans as shown in the figure: 2 fans F with stickers facing inward, 1 fan G with sticker facing outward.

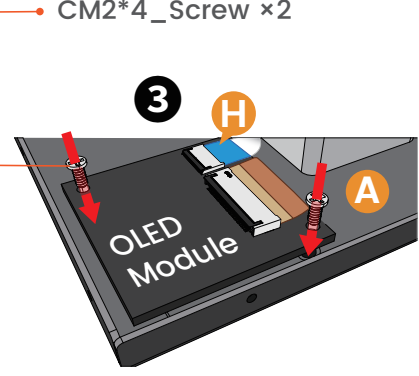
PWM2*10_Screw ×12

Fans Installation Diagram



Metal_Switch

Metal_Switch Installation Diagram

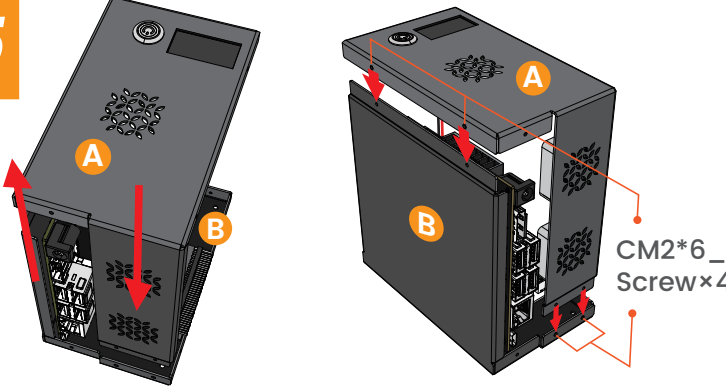


CM2*4_Screw ×2

OLED Module

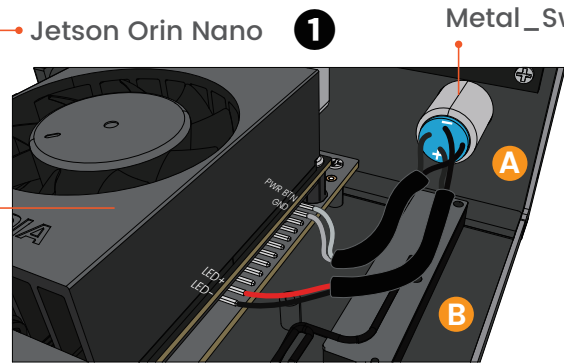
OLED Module Installation Diagram

05



Mini PC Case Top and Bottom Installation Diagram

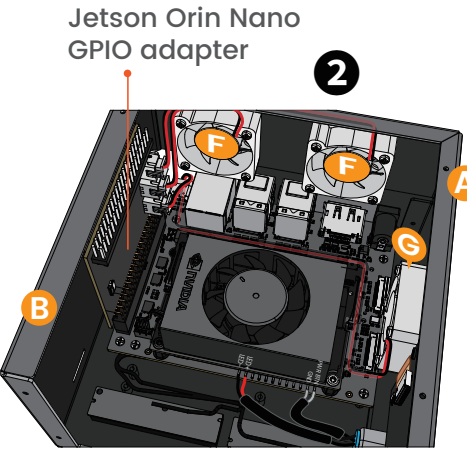
06



Jetson Orin Nano ①
Metal_Switch

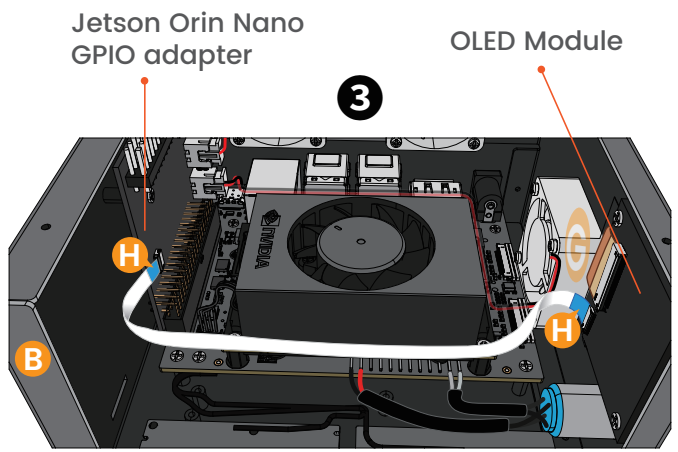
Metal_Switch Connection Cables Diagram

Black to LED-, red to LED+, gray to PWR BTN & GND (no order).



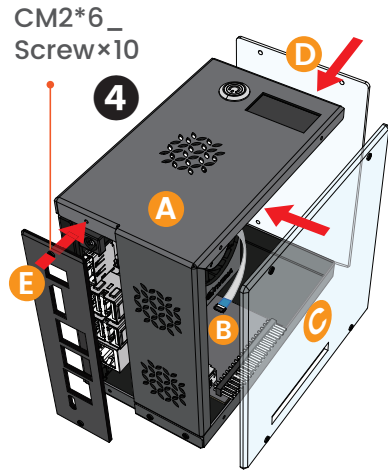
Jetson Orin Nano GPIO adapter ②

Fan Connection Cables Diagram



Jetson Orin Nano GPIO adapter ③
OLED Module

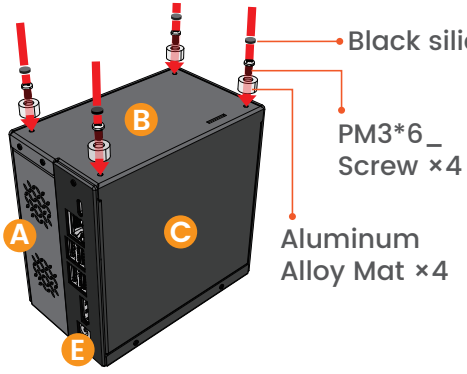
7Pin_FPC Connection Diagram



CM2*6_Screw×10 ④

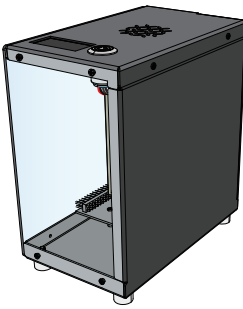
Installation Diagram for 10 CM2*6_Screws

07



Black silicone pad ×4
PM3*6_Screw ×4
Aluminum Alloy Mat ×4

Aluminum Alloy Mat Installation Diagram



Installed

Note:

Metal_Switch Function:

- Short Press (1s): Power on.
- Long Press (5s) and Release: The screen displays "Power Off," and the system waits for 5s before shutting down.

Firmware, system services, and installation QR code/link:



https://drive.google.com/drive/folders/14QB_eCKqBgupR0OfekWJwF35kZT6SiLa?usp=sharing