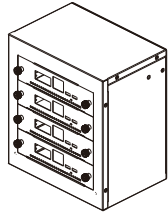# Hardware Installation Guide
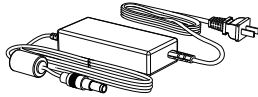
Thank you for purchasing Cluster Box. This guide is designed to guide you through installation.

Package list

Check the package and ensure that the following items are included.
If any item is missing or damaged, contact your sales representative for help:

1x Cluster Box

1x Power adapter
(19 V 4.74 A)

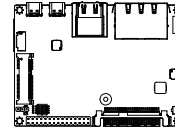4x M2*5*5 Phillips pan head machine screw with washer
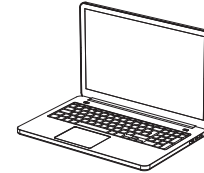
8x M3*5 Phillips round head machine screw

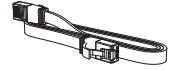8x M3*3 Phillips round head machine screw

Preparations

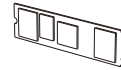Besides the packaged items, you also need to prepare the following items for Cluster Box installation:

4x Mixtile Blade 3 boards
(by default)

1x PC

1x Ethernet cable
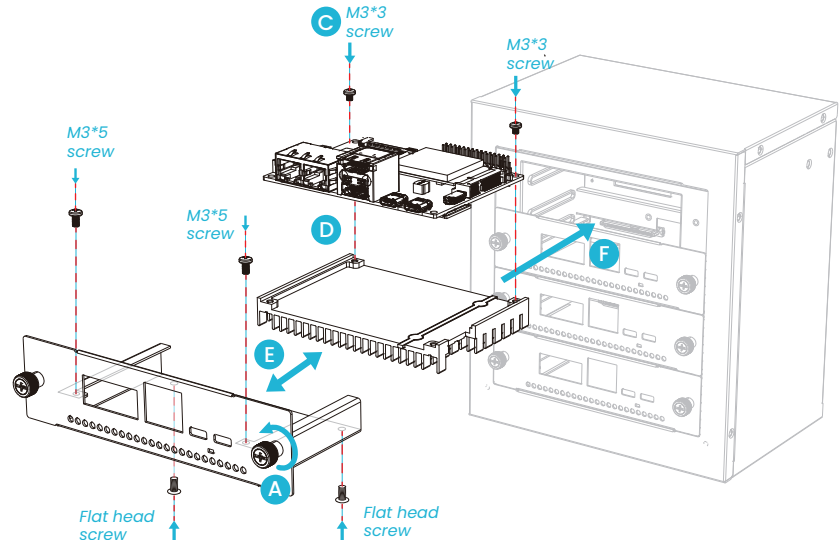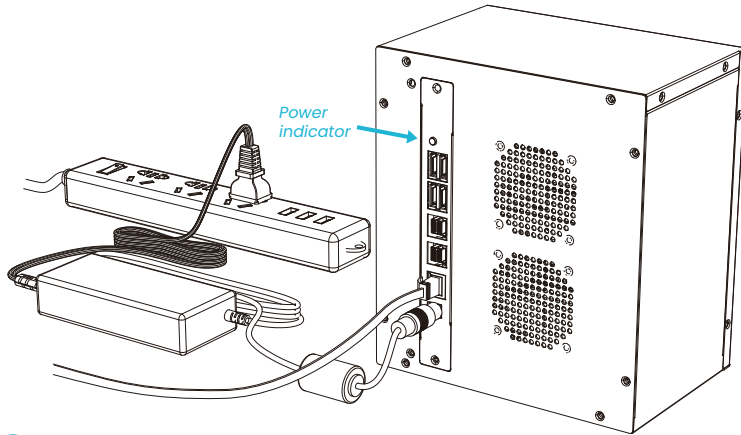
1x M.2 NVMe SSD
(Optional)

1x Phillips screwdriver

Installation Steps

1 Install Mixtile Blade 3 boards

A. Loosen the two captive screws on the motherboard tray with the indication N1 by turning them counterclockwise. Then take out the motherboard tray.
B. Use a Phillips screwdriver to loosen the four screws (two flat head screws + two M3*3 round head screws) that secure the heatsink to the motherboard tray. Push the heatsink outwards and remove the heatsink from the motherboard tray.
C. Place the Blade 3 on the heatsink. Note that Blade 3's MIPI CSI interface must face the heatsink's notch and their screw holes line up.
D. Attach Blade 3 to the heatsink. Install two M3*3 Phillips round head machine screws to the holes far away from the heatsink's notch.
E. Slide the combined unit into the motherboard tray. Reinstall the two flat head screws to secure the heatsink on the motherboard tray, and install two M3*5 Phillips round head machine screws to the screw holes near the heatsink's notch.
F. Place the assembled Blade 3 unit to the corresponding slot on Cluster Box and secure the two captive screws by turning them clockwise.
G. Repeat steps (A) to (F) to install the other three Blade 3 boards in Cluster Box.

C M3*3 screw

M3*3 screw

M3*5 screw

M3*5 screw

D

F

E

A

Flat head screw

Flat head screw
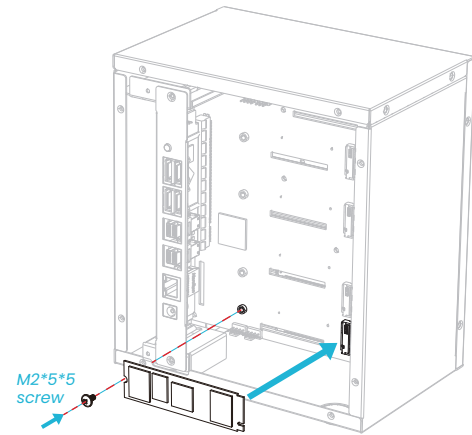
Installation Steps

2 Connect power

Connect one end of the power adapter to the power port of Cluster Box and the other end to a power source. You'll notice that the LED lights up blue, indicating that Cluster Box is powered on. By default, the Blade 3 boards are powered on sequentially.

3 Connect to network

Connect the Ethernet cable to the RJ45 interface of Cluster Box.

Follow-up Procedure

1. Via GUI:
   a. Enter the IP address of Cluster Box in your browser.
   b. On the login page, retain the username **mixtile** and enter password **mixtile**. Then you are directed to the GUI of Cluster Box.

2. Via SSH:
   a. In the terminal, type **ssh mixtile@**_Cluster Box IP address._
   b. Type password **mixtile** and press **Enter**.

4 Install SSDs (Optional)

A. Open the rear cover of Cluster Box.
B. Install the SSD into the NVMe M.2 slot using M2*5*5 Phillips pan head machine screws with washers.

Learn More

For more information, visit https://www.mixtile.com/ or scan the QR code below.