FCIO STREACOM™ USER GUIDE

Page

Foreword

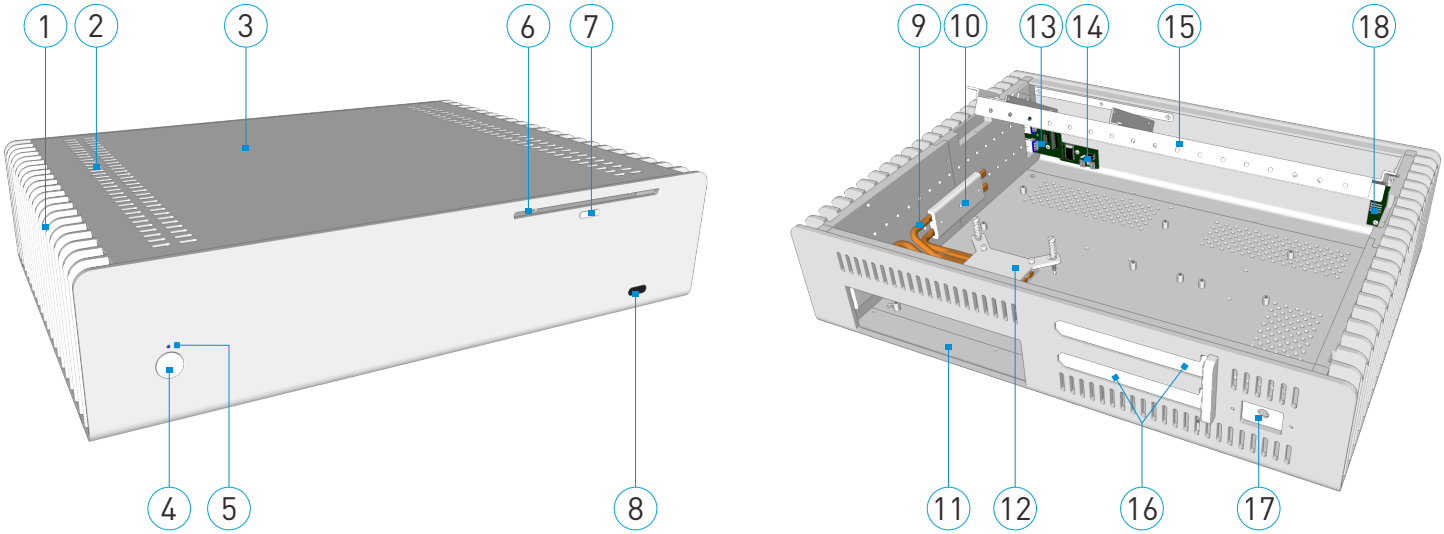
Thank you for your purchase of this Streacom product, every care has been taken to ensure that it meets with the high standards that we have set for ourselves.

Should you have any questions that are not covered in this user guide, support can be offered via email through our website at www.streacom.com

We sincerely hope that you enjoy using our product!

Specification

Chassis Material	Aluminum
Available Colours	Silver / Black - Sandblast Finish
Motherboard Compatibility	Micro ATX, Mini ITX
HDD Drive Support	3 x 2.5" + 2 x 3.5"
ODD Drive Support	Slot loading drive, universal eject button
Cooling Method	Passive - 4 x Heatpipe Direct Touch (Recommended 65W TDP*)
Expansion Ports	2 x Full Height (Riser Card Required)
Dimensions	435 × 319 × 100mm (W×D×H)
Power Supply Support	Optional NanoPSU DC power
IR Solution	Optional MCE Compatible IR Receiver & Remote
Net Weight	5.4KG

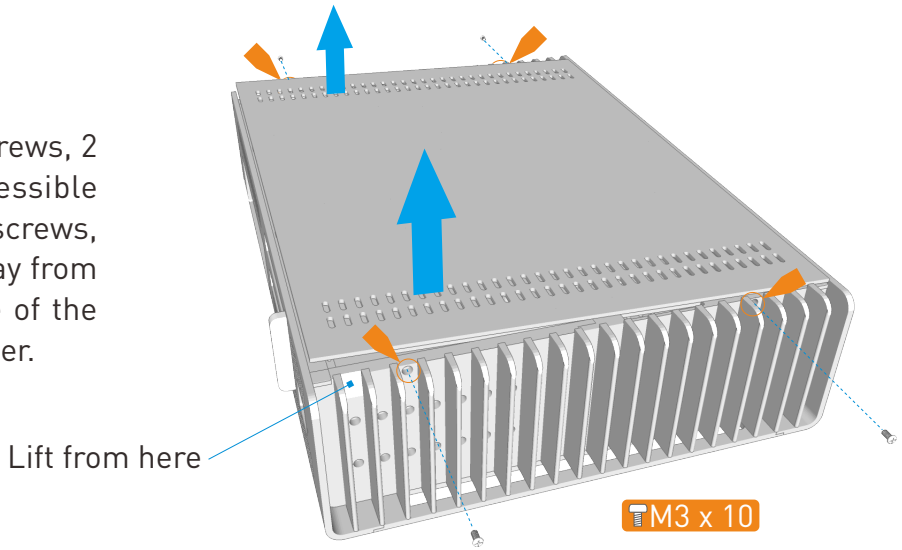


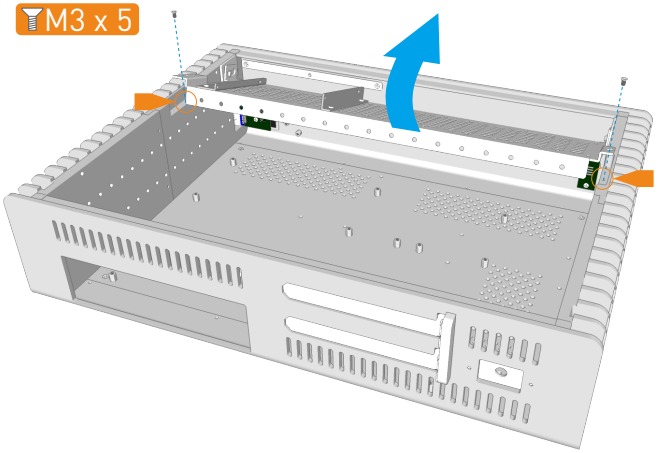
Key Features

1..... Heatsink
2..... Air Vents
3..... Top Panel
4..... Power Switch
5..... Power LED
6..... ODD Loading Slot
7..... ODD Eject Button
8..... IR Window
9..... CPU Cooler Heatpipe
10.... Heatsink Connectors
11.... IO Shield Slot
12.... CPU Cooler
13.... Side USB PCB
14.... IR PCB (Optional)
15.... HDD/ODD Cage
16.... PCI Expansion Slot
17.... DC Power Jack Hole
18.... Power Button PCB

Removing the Top Panel

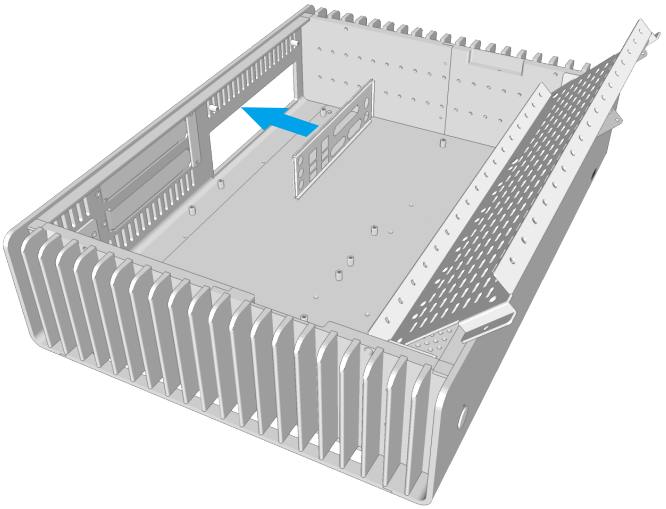
The top panel is held in place with 4 screws, 2 each side of the case that are accessible between the heatsink fins. Remove the screws, then lift the top panel upwards and away from the case. There is a recess either side of the case to make lifting the top panel off easier.





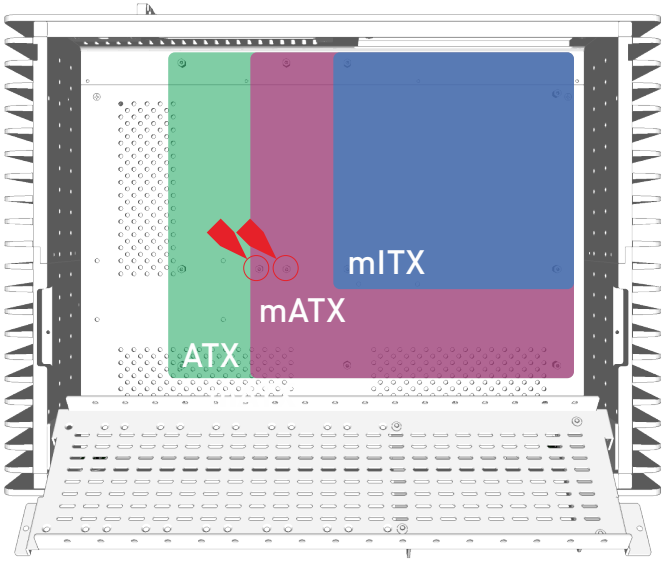
Open the HDD/ODD Cage

The HDD/ODD cage has a swivel design that tilts upwards towards the front of the case. Remove the 2 screws, 1 from either side, then lift and rotate the cage until it makes contact with the front of the case.



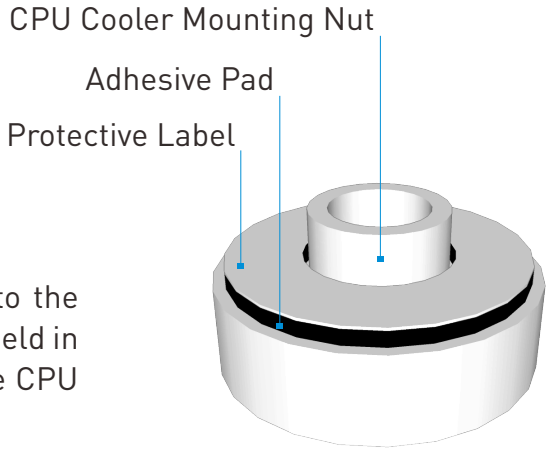
Installing the I/O Shield

Locate the I/O shield that is supplied with your motherboard and firmly push it in place. Ensure that it clicks in place fully otherwise the motherboard will be difficult to fit.



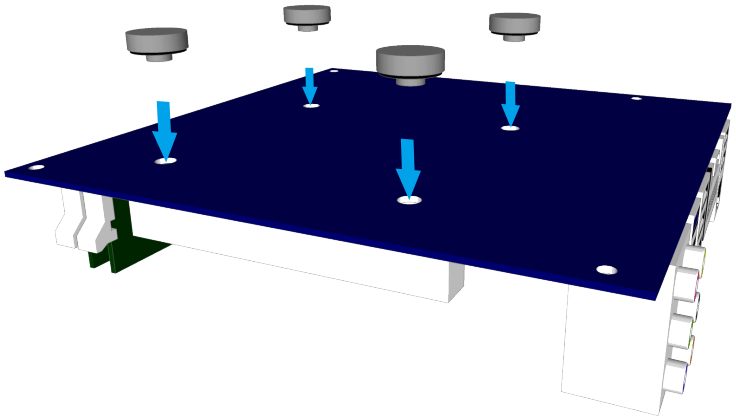
Installing the Motherboard

The FC10 can accommodate either a mini-ITX or micro-ATX or Full ATX motherboard. The type of motherboard used will determine the choice of other internal components such as internal PSU. For mATX boards, additional standoffs can be added to the positions shown in red.



Fitting the CPU Cooler Mounting Nuts

The kit includes 4 mounting nuts which should be attached to the motherboard prior to fitting it inside the chassis. The nuts are held in place by adhesive pads and will be required later to mount the CPU cooler.

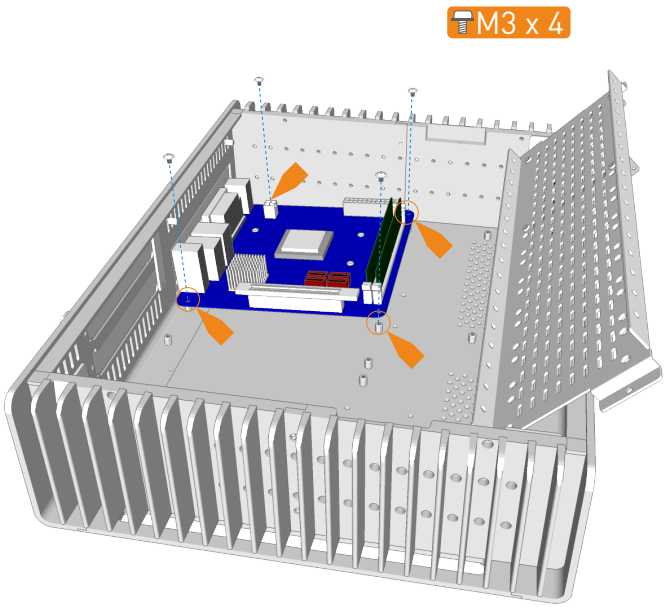


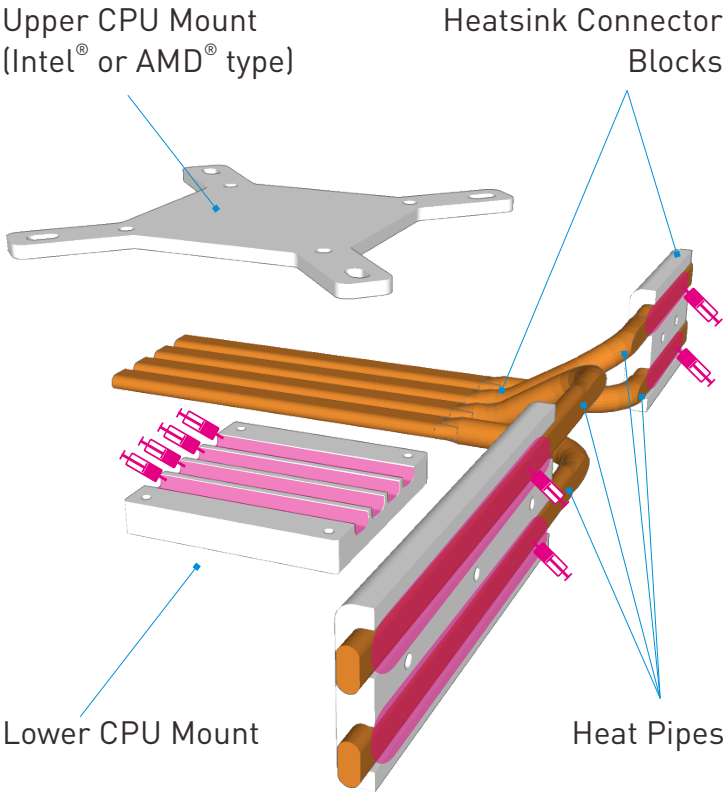
With the motherboard upside down, located the 4 CPU cooler mounting holes. Peel the protective label off the mounting nuts and stick them to the underside of the motherboard ensuring they correctly align with the holes. The raised rim of the nut should fit inside the motherboard hole.

Fitting the Motherboard

Carefully lower the motherboard into the chassis, with the I/O port side leading so that the ports can fit into the I/O shield.

When the motherboard is correctly in position, fix it to the chassis stand-offs using the screws provided. Ensure that all the holes correctly align before fully tightening the screws.

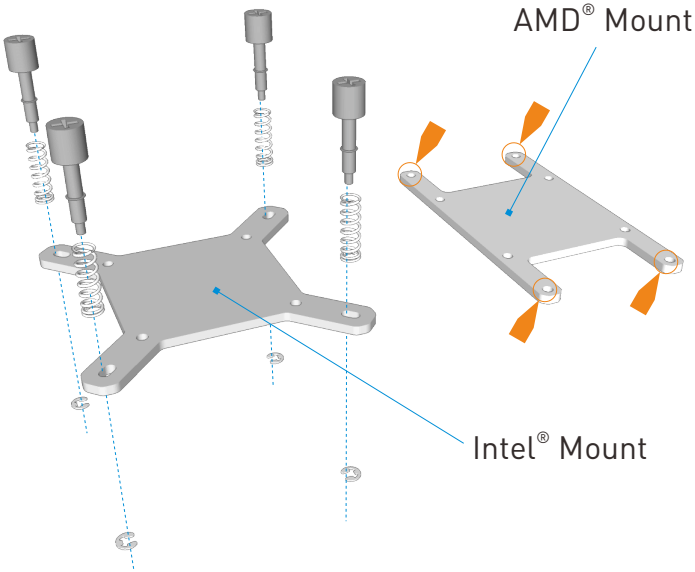




CPU Cooler Overview

The passive CPU cooler comprises of 3 main parts. The CPU mount which fixes to the CPU & motherboard, the heat pipes that transfer the heat, and the heatsink connector blocks that fix the heatpipes to the chassis side panel (heatsink).

In order to ensure efficient heat transfer, thermal paste should be applied to the surfaces shown. Do not apply the thermal paste until the parts are ready to be installed.



Assemble the Upper CPU Mount

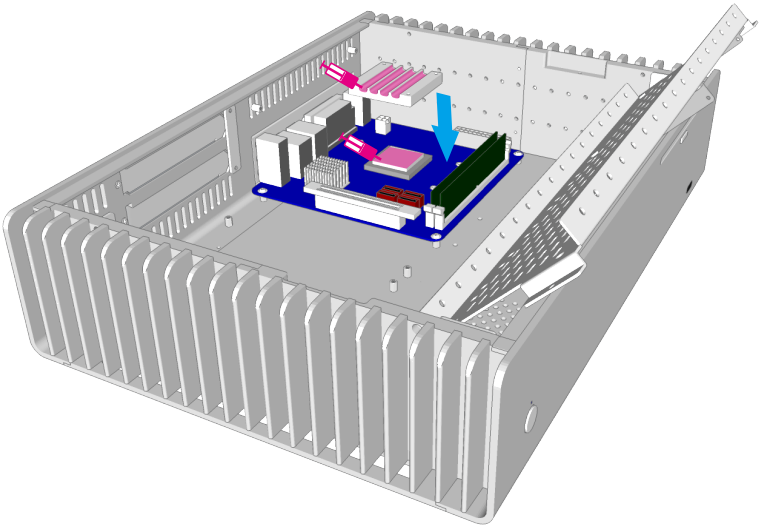
Depending on which type of motherboard and CPU socket you have purchased, you will either need to assemble the Intel® or AMD® type upper CPU mount. You do not need to assemble both.

The mount is assembled as shown with the long CPU retention screws, springs and C clips attached to the outer arms of the mount..

Affix the Lower CPU Mount

Apply a thin and even layer of thermal paste to the surface of the CPU then carefully position the lower CPU mount onto the CPU ensuring it is centrally located. The heatpipe grooves should be facing in the direction of the heatsink.

Thermal paste can also be applied to the heatpipe grooves in perpetration for the next step.

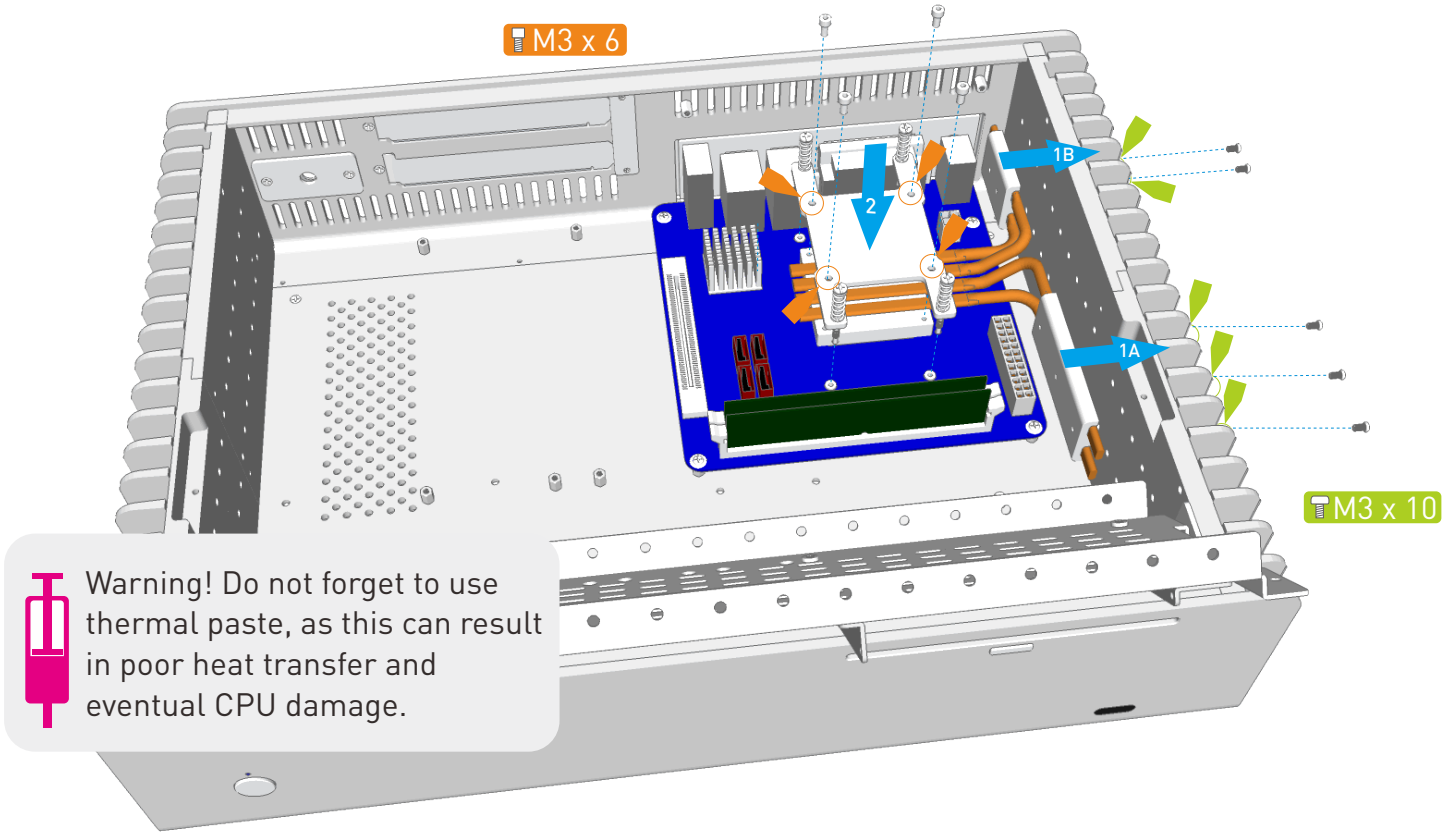


Installing the CPU Cooler Assembly

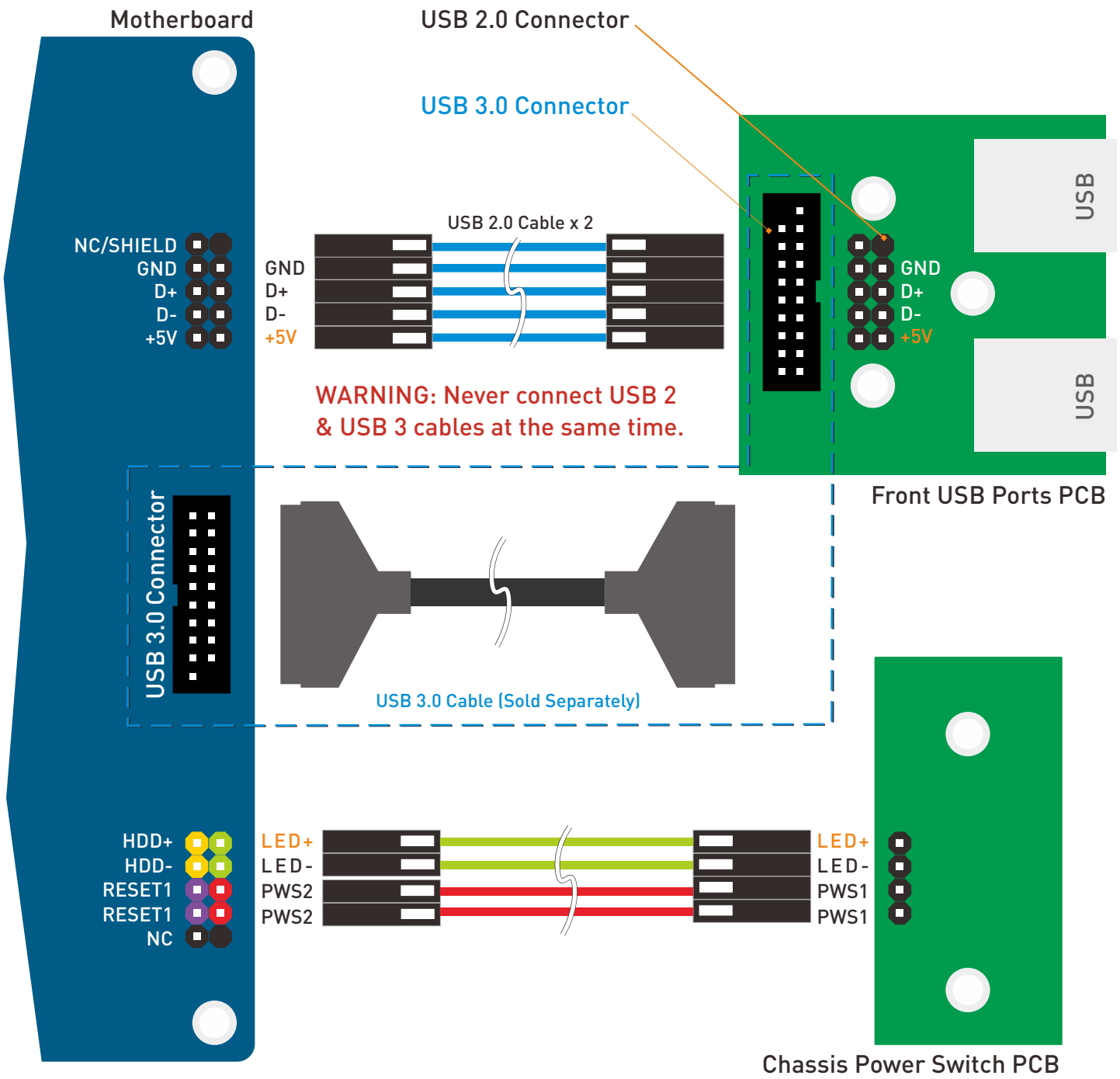
1. Attach the heatsink connector blocks and heatpipes to the chassis. We recommend fitting one side at a time (pairs of heatpipes). Secure the connector blocks with screws ensuring the heatpipes align and sit accurately in the grooves of the lower CPU connector. Do not fully tighten the screws.

2. With all 4 heatpipes attached, position the upper CPU connector onto the lower CPU connector, sandwiching the heatpipes between them and secure upper and lower parts together using the HEX screws and allen key supplied. Do not fully tighten the screws.

3. Ensuring the 4 spring loaded screws correctly align with the CPU cooler mounting nuts (you installed earlier under the motherboard), carefully tighten each screw (one turn each side, alternating sides) until fully secured. You can now fully tighten all the screws.



Warning! Do not forget to use thermal paste, as this can result in poor heat transfer and eventual CPU damage.

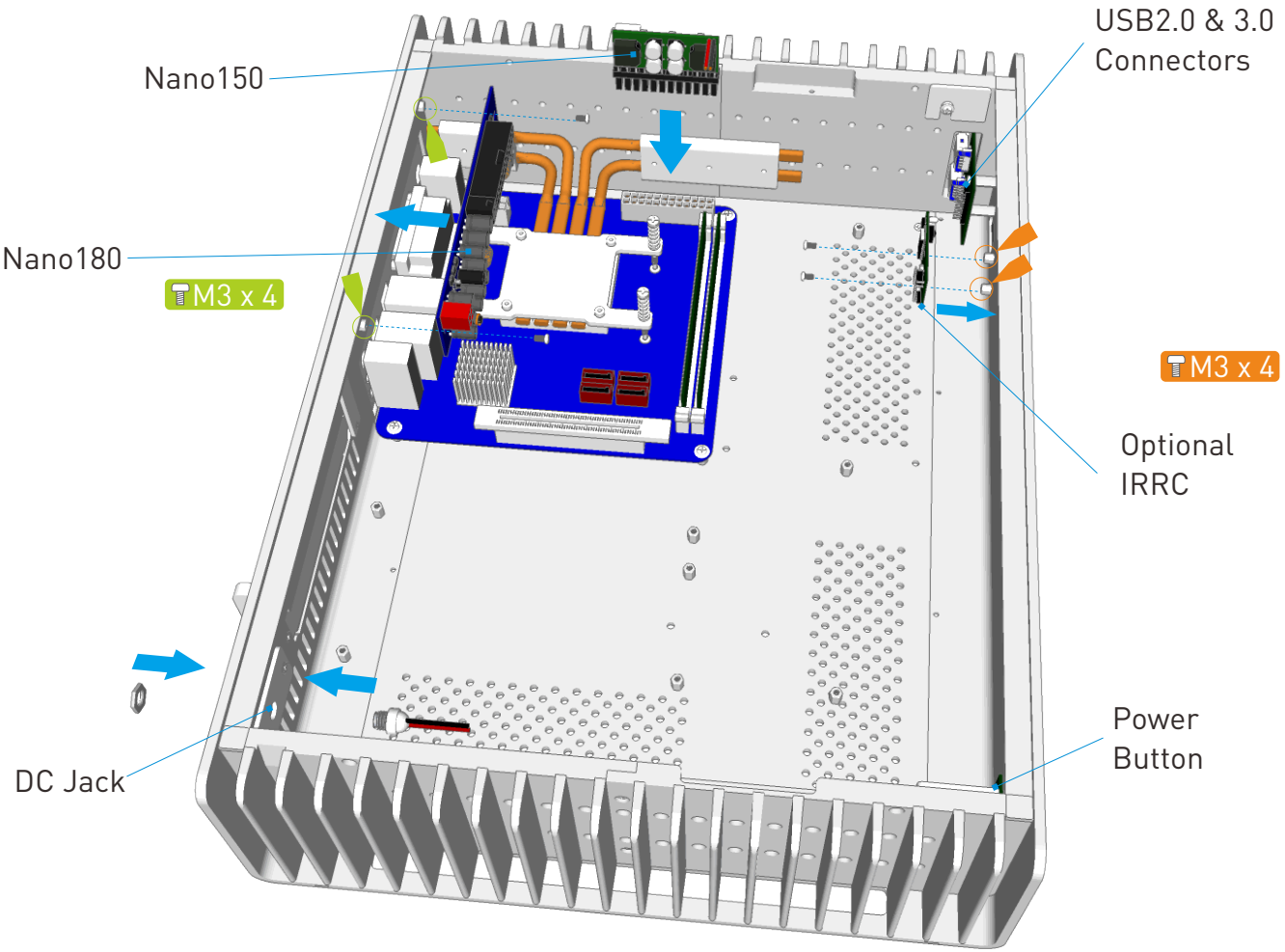


Cable colours shown are for illustrative purposes only, actual colours will vary.

Connect the PSU, Optional IR & Other Cables

With the motherboard and CPU cooler in place, you can now connect the PSU and any other internal connections such as the SATA cables in perpetration for installing the optical and hard drives. For more details on installing the PSU and IRRC, see the user guides supplied with those accessories.

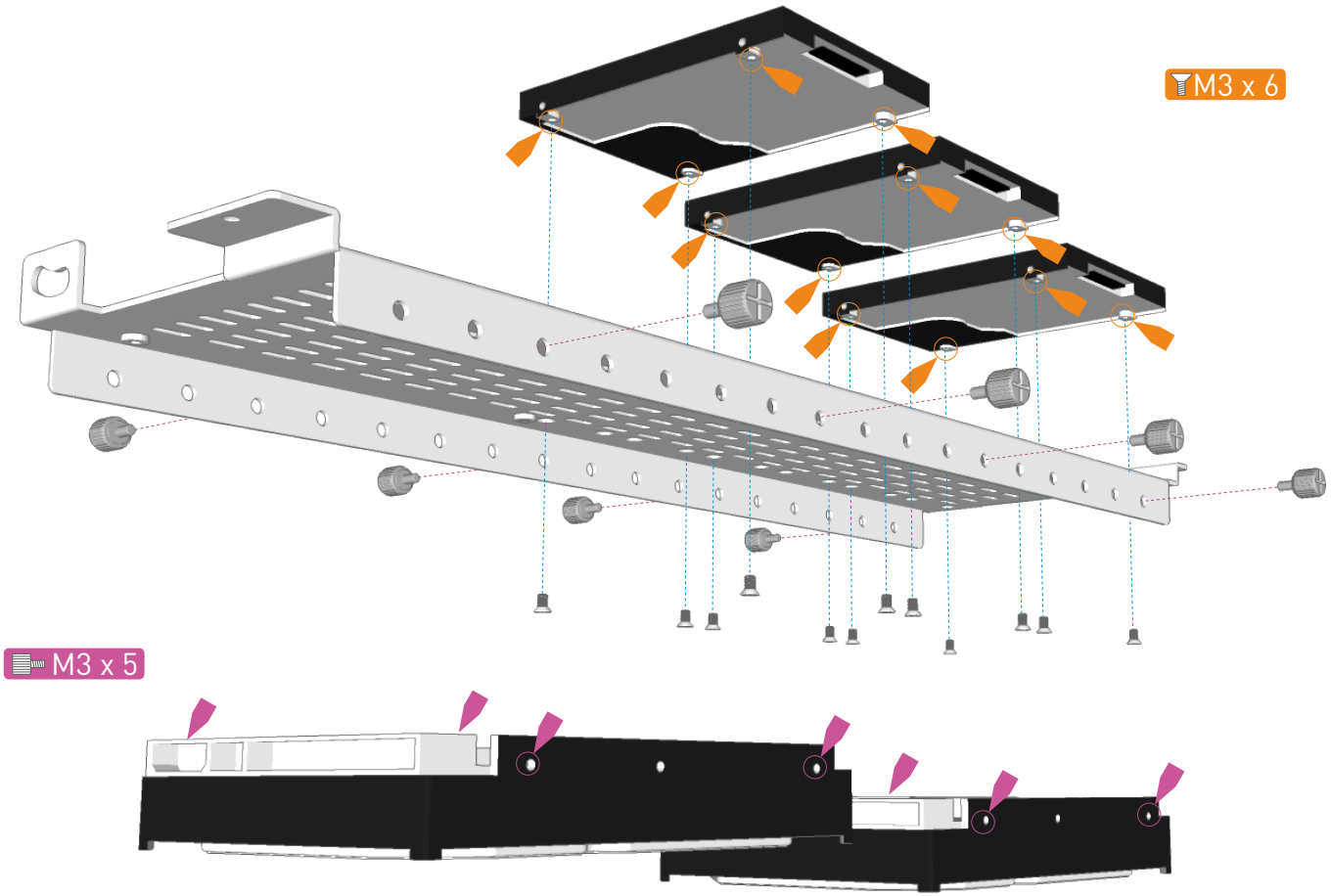
Connect the front USB ports and the power button switch to the motherboard. As the majority of current motherboard do NOT support an INTERNAL USB3.0 header, this case is only supplied with the USB2.0 cable. Customers that do purchase a USB3.0 compatible motherboard must purchase the internal USB3.0 cable separately. See diagram on next page for wiring details.



Installing the Hard Drives

The FC10 can hold 3 x 2.5" drives and 2 x 3.5". The 2.5" drives should be fitted first using 4 screws per drive. Rubber pads are supplied and should be fitted to the mounting holes prior to fitting the drives.

The 3.5" drives are fitted to the cage using thumb screws either side of the drive. When using a single 3.5", it can be located anywhere along the cage.

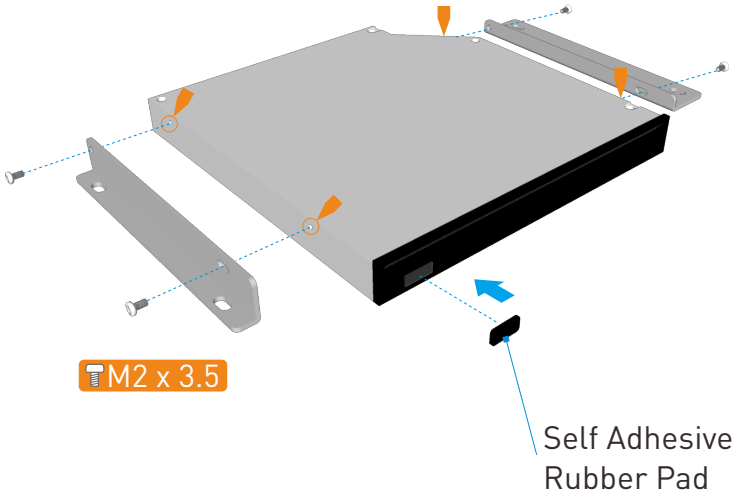


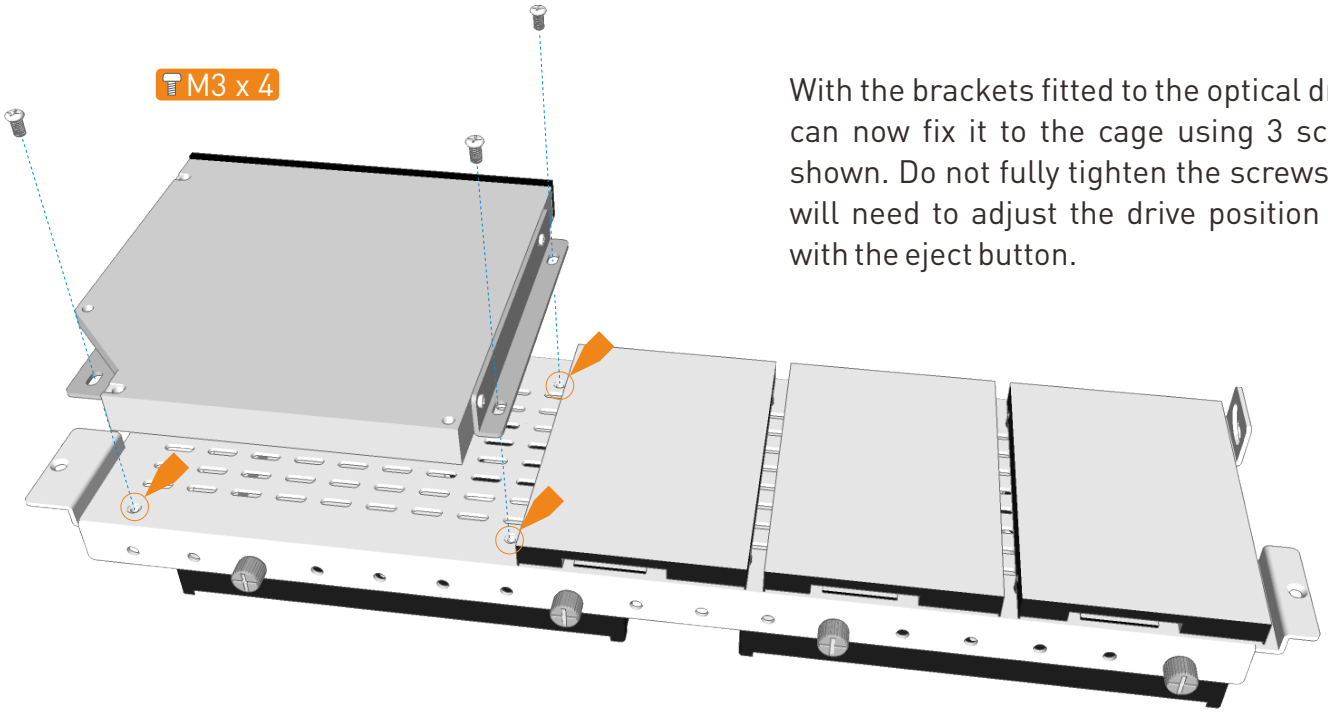
NOTE: You do not need to remove the cage from the chassis to install the drive. The illustration is shown without the case for clarity.

Fitting the Optical Drive

Before fitting the slot loading drive, affix a self adhesive rubber pad (included in the accessory bag) to the drives eject button. With left side eject buttons, 2 pads may be required (one on top of the other to increase the thickness).

The case is supplied with 2 mounting brackets which fit to either side of the drive (pay attention to the orientation as each side is different). Use the 4 short screws supplied to fix the brackets to the drive.

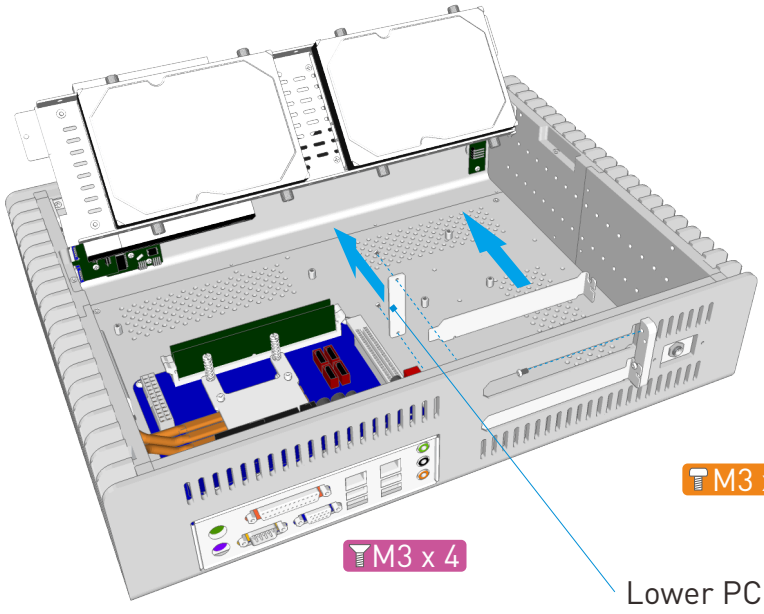




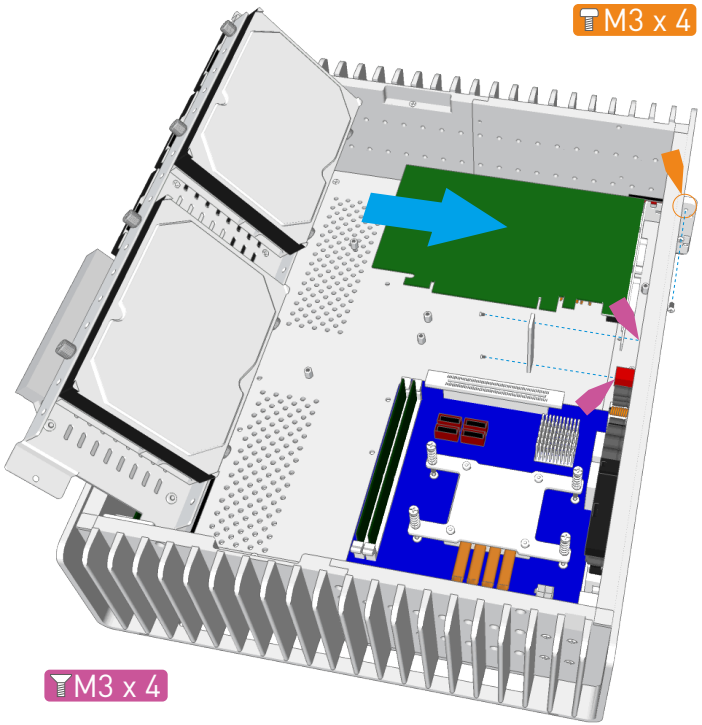
With the brackets fitted to the optical drive, you can now fix it to the cage using 3 screws as shown. Do not fully tighten the screws as your will need to adjust the drive position to work with the eject button.

Installing PCI Card (Optional)

The FC10 can accommodate 2 full height expansion cards with the use of a riser card (not supplied). To install the cards firstly remove the blanking plate and lower PCI support plate from the case.

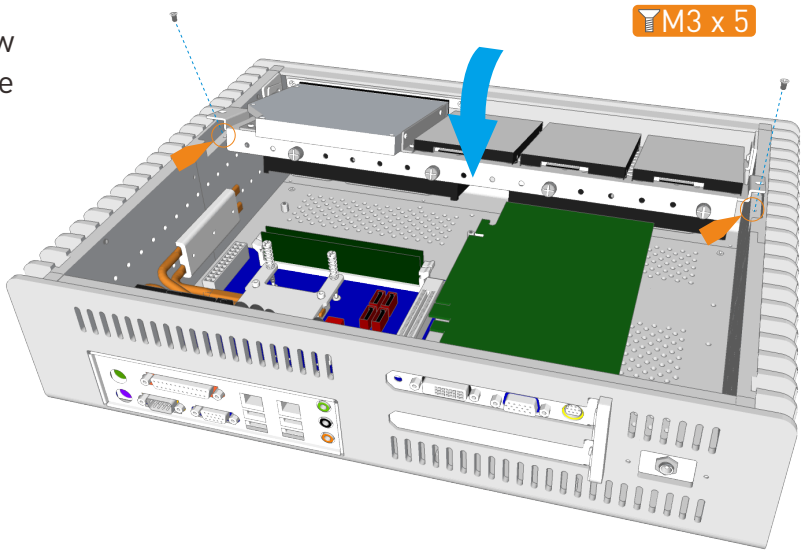


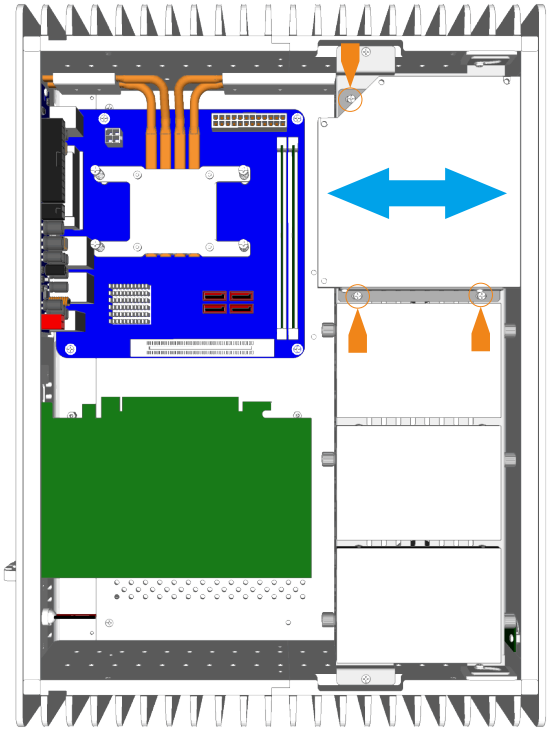
Fit the PCI card into the opening and secure it in place with the PCI bracket screw. Once both cards are secured at the top, replace the lower PCI support plate. You can now connect the cards to you motherboard using a flexible riser card.



Closing the HDD/ODD Cage

With all the components installed, you can now close the HDD/ODD cage and secure it in place with 2 screws as shown.

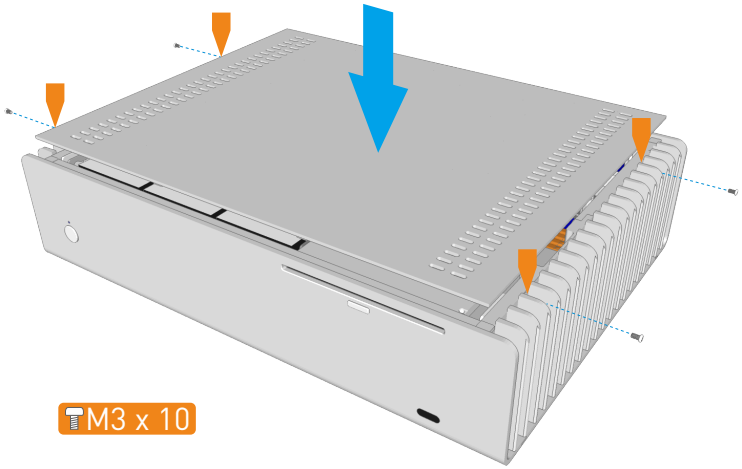




Adjust the Optical Drive

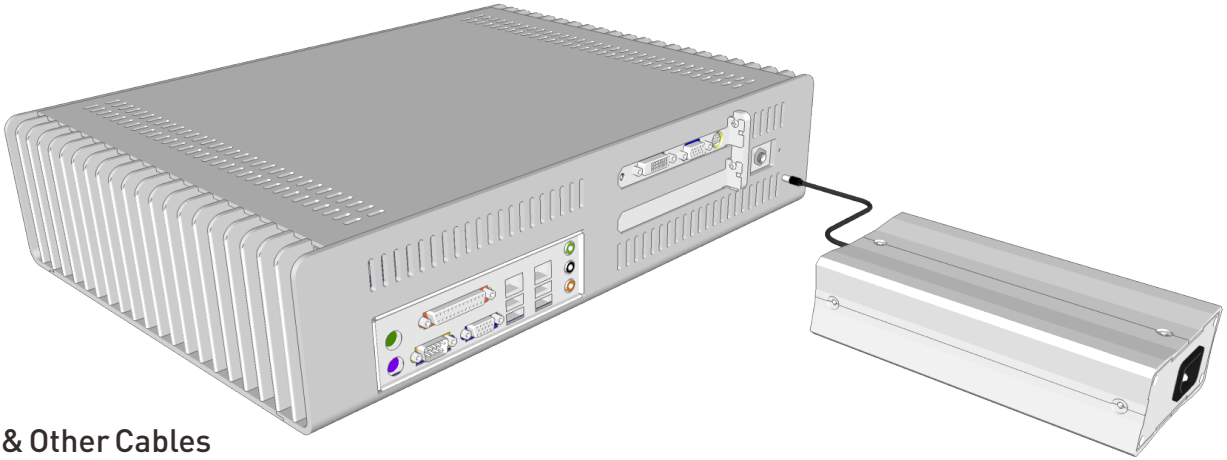
Ensure the HDD/ODD is securely fixed then adjust the position of the optical drive so that it makes light contact with the eject button bar. You can test the operation of the eject button by pressing the case eject button and listening or feeling for a click from the optical drive button. Once correctly adjusted, secure the drive in place with the 3 screws as shown.

M3 x 4



Replace the Top Panel

With all the components installed, the chassis can now be closed. Prior to doing this, ensure that all cables are connected and all components are securely fitted. Replace the top panel and secure it in place using 4 screws, 2 from either side of the case, between the heatsink fins.



Connect Power & Other Cables

With the chassis now fully assembled, all that remains is to connect the power and other cables.

When choosing a suitable place to position your chassis, please consider an area with adequate air flow and a moderate room temperature.

STREACOM™

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