STREACOM™

F7Cα

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A Message from the Streacom Team

"Thank you for choosing Streacom! In a market dominated by generic and uninspired products, we are on a mission to break the mold, not only of design, but materials and finish. This is a value that is not easily conveyed in an industry preoccupied with specs and numbers, so your choice shows an appreciation and understanding of what makes our products different, and we sincerely thank you for that.

Every care has been taken to ensure that this product meets the highest quality and standards we have defined. If anything about this product falls short of your expectations or you have any questions that are not covered in this user guide, please contact us online at www.streacom.com/contact. We respond to every question received and your feedback is a critical part of our ongoing product development and refinement.

From everyone at Streacom, we hope that you enjoy using our product!"

Introduction to Assembling Your Case

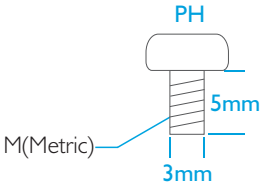
It's not rocket science, but Streacom cases can be a little challenging to assemble at first because of the non traditional design and the materials used. Passive cooled cases have an added layer of complexity because of the heatpipe assembly/hardware requirements, so please take the time to read the user guide and become familiar with the components and assembly procedure. Additional information is also available on our website 'system build guide' page, and of course from our support staff.

Below is a quick explanation of the different screws used in the assembly, and how they will be referred to throughout the guide. Screws are defined by head type, e.g. 'countersunk' and by thread/size e.g. M3x5, and will be labeled with all that information, e.g. CS-M3x5


Pan Head Screw (PH)


Countersunk Screw (CS)


Thin Cheese Head Screw (TC)



PH-M3x5

Also included in the kit.....

1 x Set of Fan Brackets (2pcs), Silicon Rubber Pads (Optical Only)

Tools you will need.....

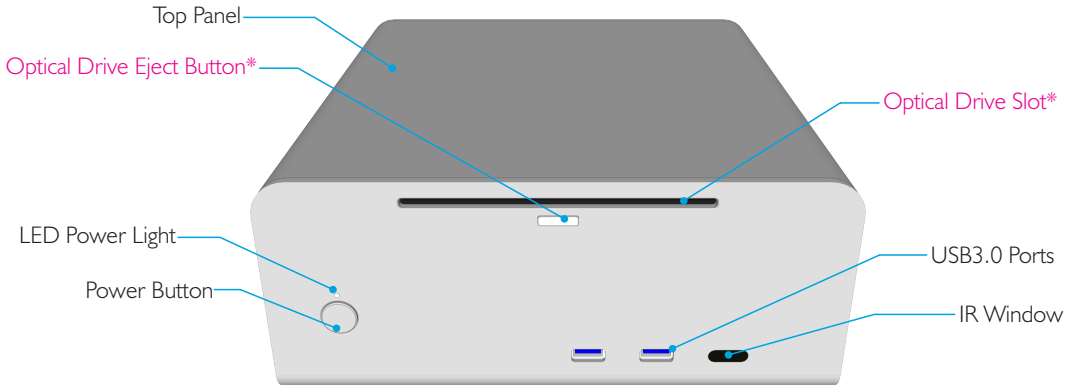
Philips Screwdriver

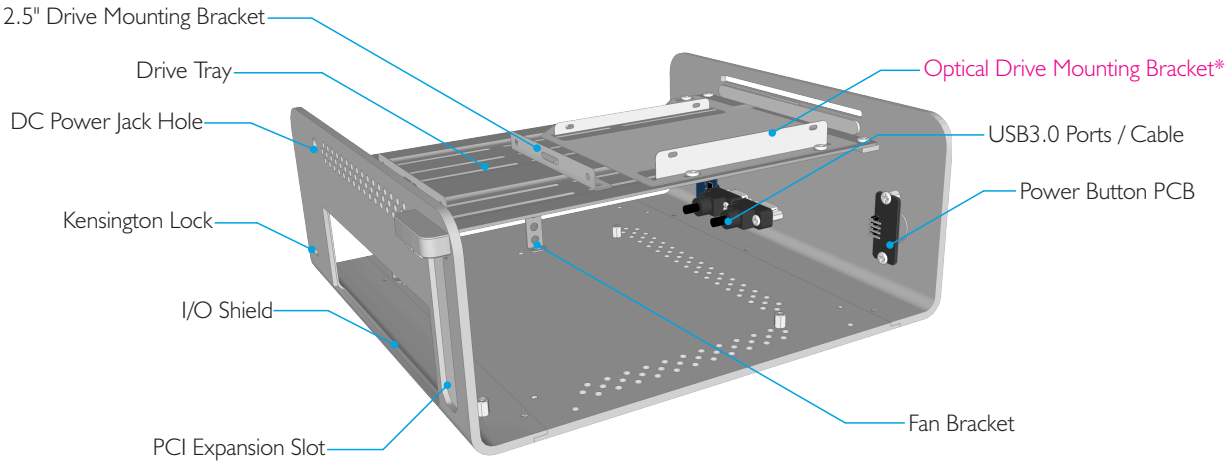
Specification

* F7C Optical Version Only
** Not Supplied With Case

Construction Material	Premium Grade Aluminum (6063)
Available Colours	Silver / Black - Anodized & Sandblasted Finish
Motherboard Compatibility	Mini-ITX (55mm Maximum Component Height)
Hard Drive Support	Minimum 1 x 3.5" + 1 x 2.5", Maximum 2 x 3.5" + 2 x 2.5" (Hardware Dependent)
Optical Drive Support	1 x Slot Loading Optical Drive, Universal Eject Button*
Cooling Method	1 x 92mm or 80mm Fan**, 25mm Depth, + CPU Cooler**
Front Ports	2 x USB 3.0 (Optional USB2.0 Conversion Cable**)
Expansion Slot	1 x Low-Profile Expansion Card (Max Length 230mm)
Dimensions	240 × 250 × 108mm (W×D×H, Including Feet)
Power Supply Support	NanoPSU (External AC Adapter + Internal DC to DC Solution)**
IR Solution	IRRC or FLIRC IR Solutions**
Net Weight	2.1KG

Key Features

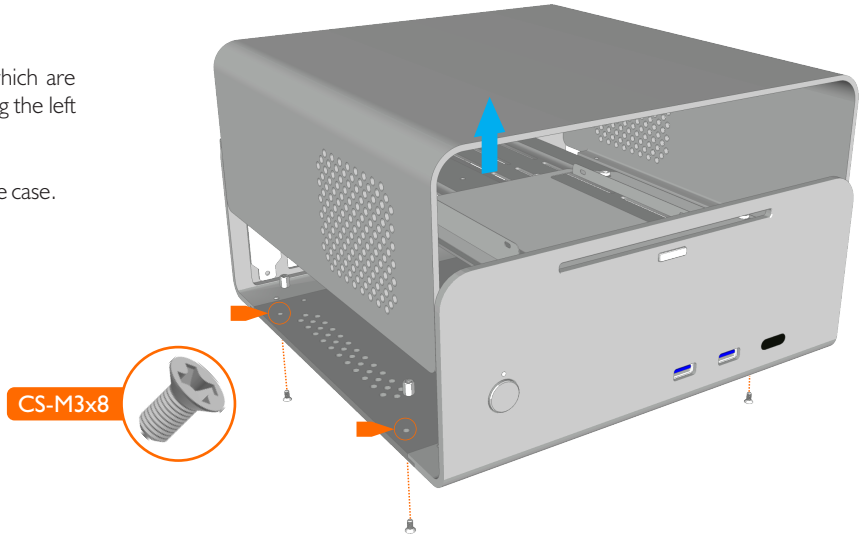


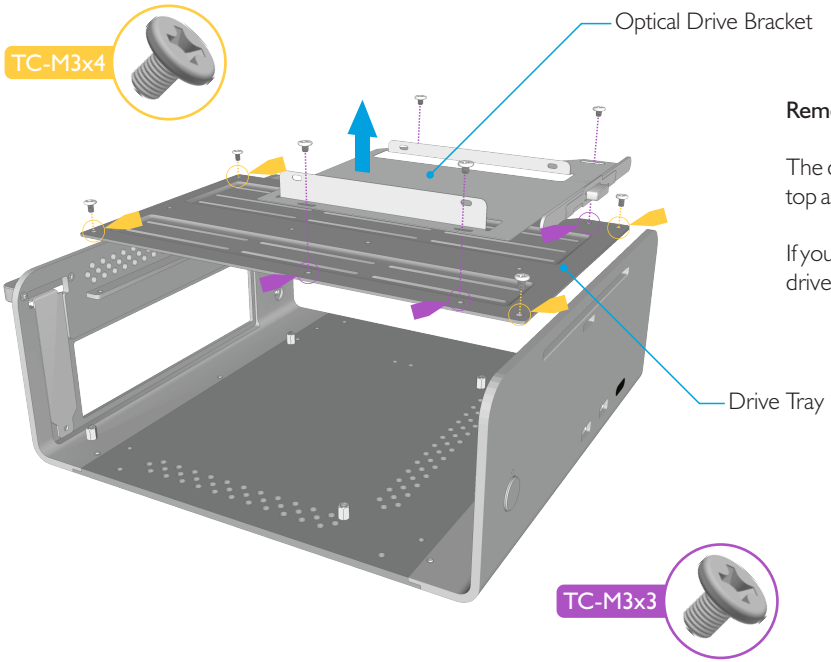


Removing the Top Panel

The top panel is held in place by a total of 4 screws, all of which are accessible from the bottom side of the case and are located along the left and right edges.

Remove all 4 screws and lift the top panel away from the rest of the case.

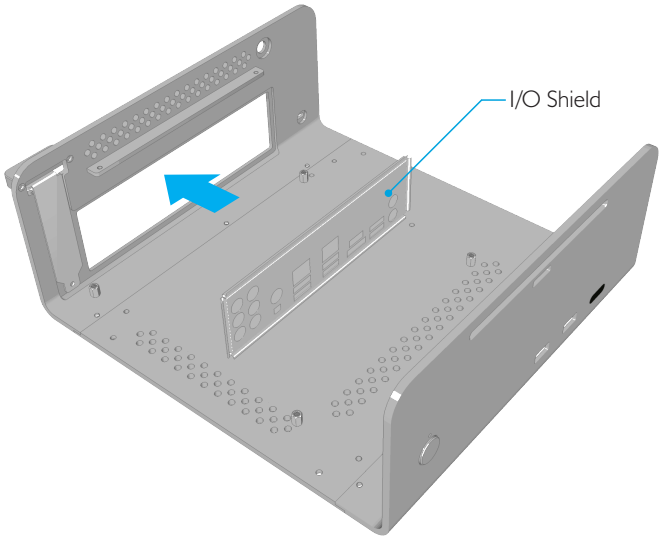




Removing the Drive Tray

The drive tray is held in place by 4 screws which are all accessible from the top as shown. Once all 4 screws are removed, lift the tray out of the case.

If you have the Optical version of the F7C, you can also remove the optical drive mounting bracket by removing the additional 4 screws as shown.



Installing the I/O Shield

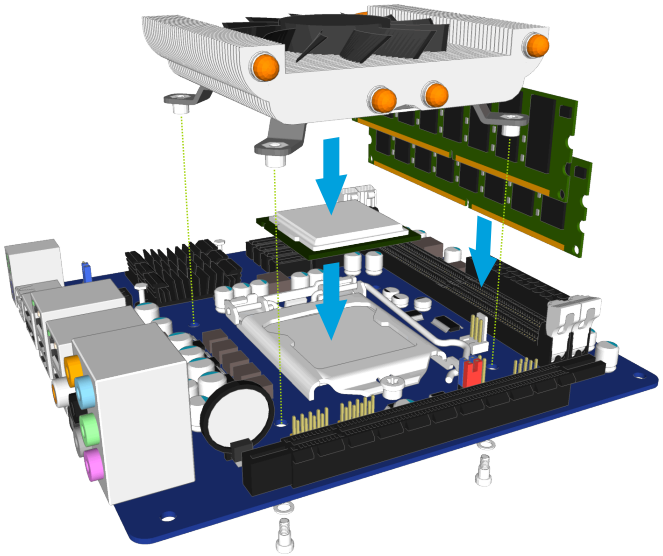
Locate the I/O shield supplied with your motherboard and firmly push it in place. Ensure that it correctly seated otherwise the motherboard will be difficult to install and not align correctly with the stand-offs.

Prepare the Motherboard

Before installing the motherboard into the case, we recommend fitting the RAM, CPU and CPU Cooler. When choosing a CPU Cooler for the F7C, it is important to purchase a low profile cooler that will not conflict with the drives fitted to the LOWER side of the drive tray.

The type of drive fitted to the LOWER side of the tray will determine the maximum height of the CPU cooler. If installing a 3.5" drive, the maximum height is 28mm, with 2.5" drives, the maximum height is 45mm, and with no drives fitted to the lower side of the tray, the maximum cooler height is 55mm.

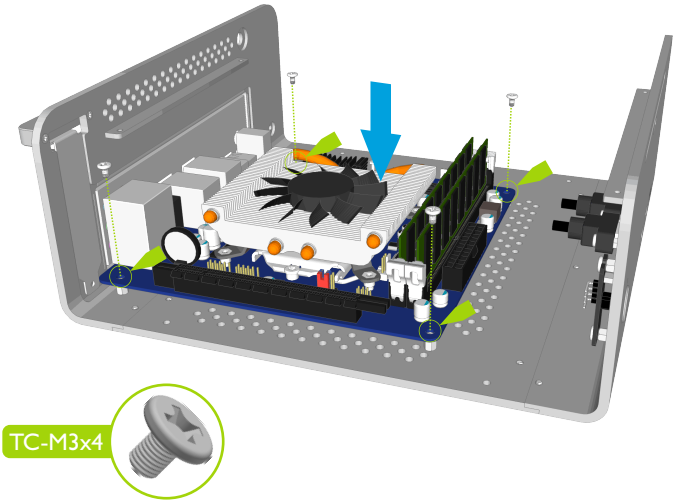
Drives fitted to the UPPER side on the tray will not effect the choice of CPU cooler.

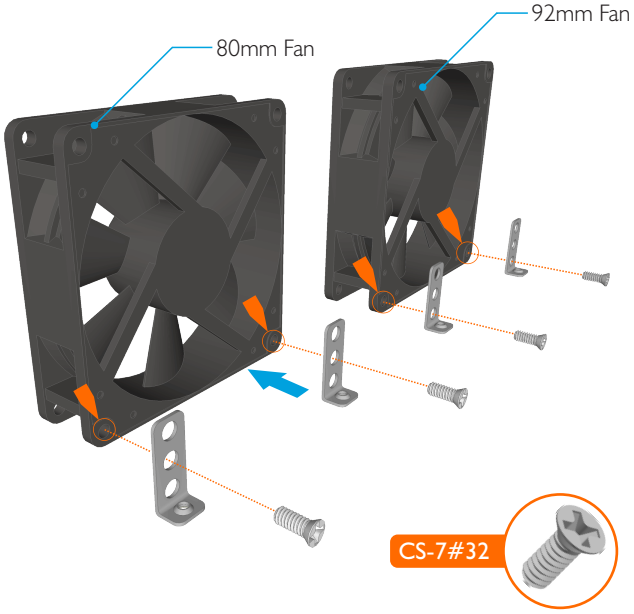


Installing the Motherboard

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

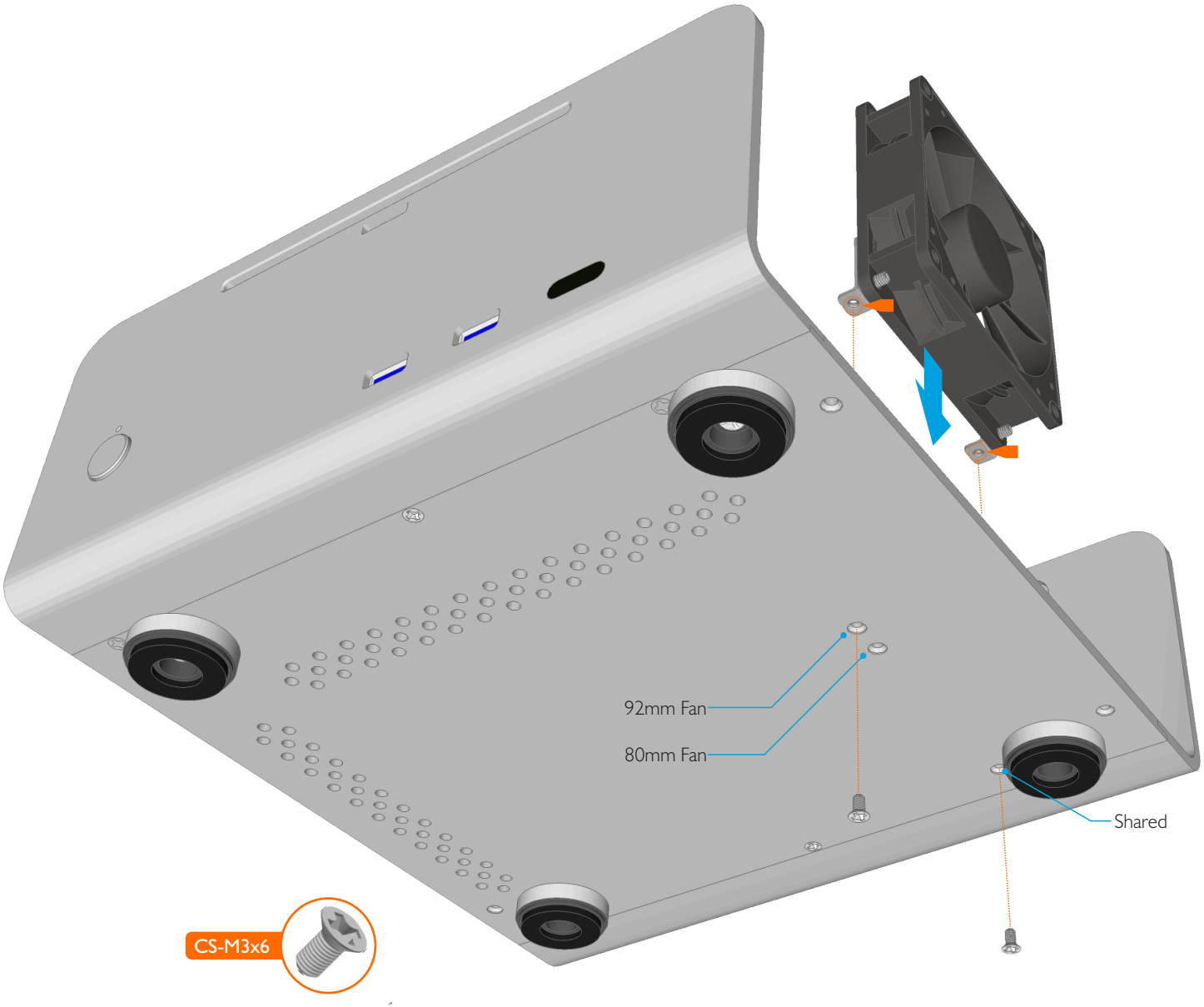
When the motherboard is correctly in position, secure it to the case stand-offs using the screws provided. Ensure that all the holes correctly align before fully tightening the screws.





Installing the Case Fan

The F7C can accommodate a single 80mm or 92mm fan (25mm depth). Before fitting the fan to the case, install the fan brackets to the lower mounting holes of the fan. If using a 92mm fan, you must use the lower holes on the bracket, if using a 80mm fan you can use the middle holes on the bracket.

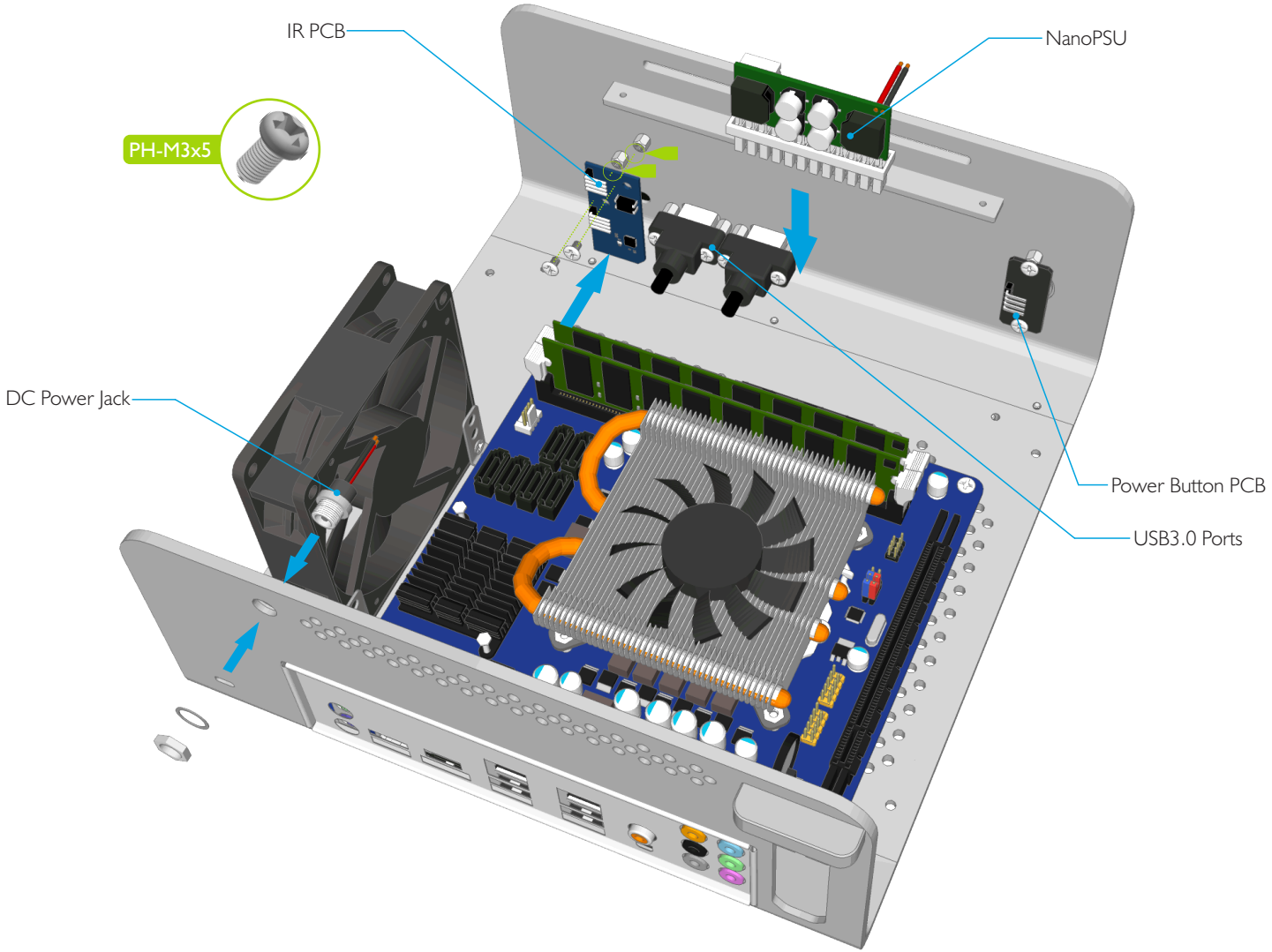


With the fan brackets attached to the fan, locate the appropriate mounting holes on the bottom of the case and secure the fan to the bottom panel as shown. There are 3 holes in total for the fan, one shared, one for the 80mm fan and one for the 92mm fan.

Install / Connect the Power Button, PSU, Optional IR & Other Cables

With the motherboard and fan installed, you can now connect the PSU and any other internal connections such as the SATA cables in perpetration for installing the drive tray assembly. For more details on installing the PSU and Optical IR, see the user guides supplied with those accessories.

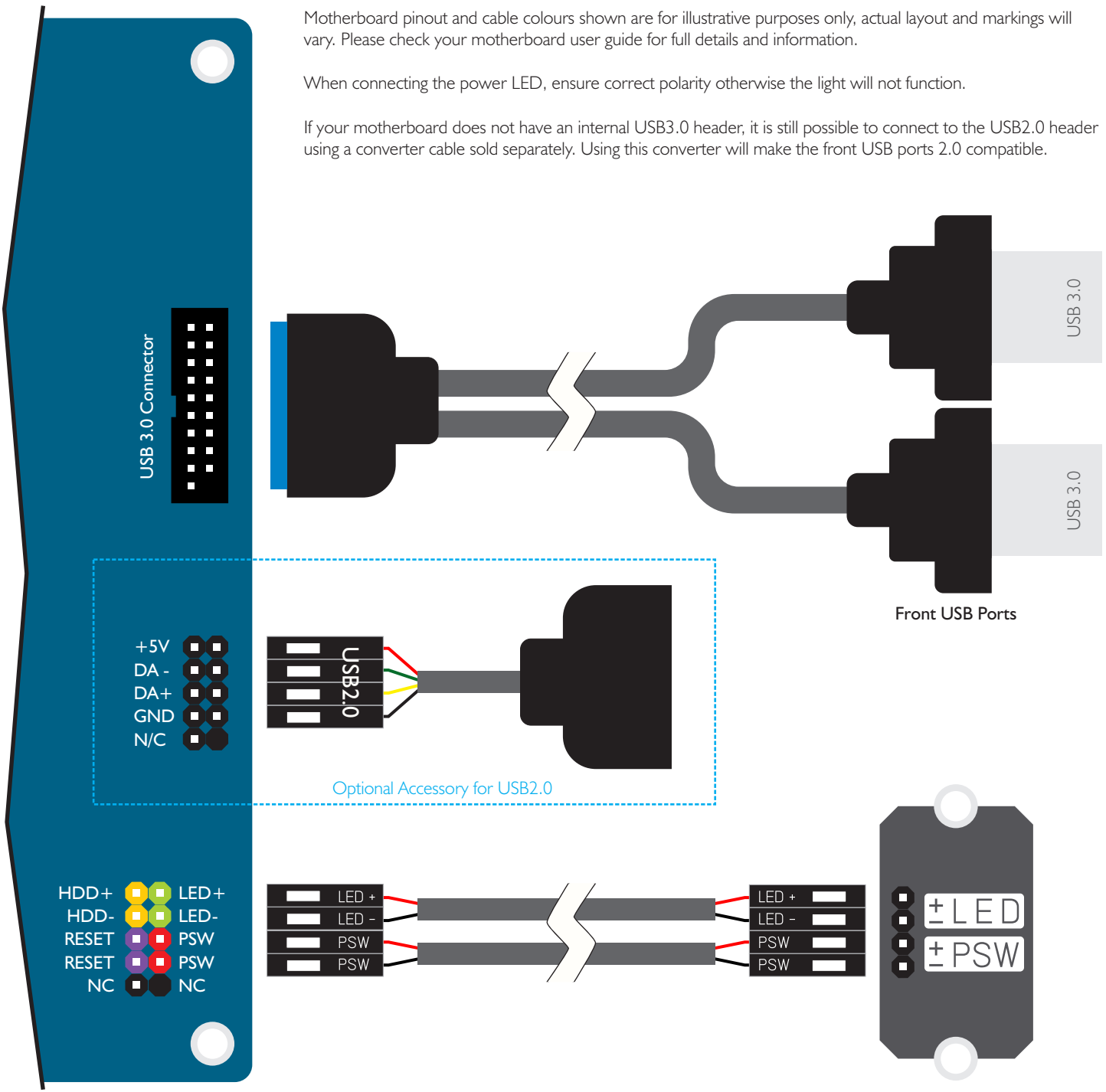
Connect the front USB ports and the power button / light PCB to the motherboard, see diagram on next page for wiring details. The case is fitted with USB3.0 ports which require an internal USB3.0 20PIN connector on the motherboard. If your motherboard does not have an internal USB3.0 header, it is still possible to connect to the older USB2.0 header with a converter cable (not supplied with the case).



Motherboard pinout and cable colours shown are for illustrative purposes only, actual layout and markings will vary. Please check your motherboard user guide for full details and information.

When connecting the power LED, ensure correct polarity otherwise the light will not function.

If your motherboard does not have an internal USB3.0 header, it is still possible to connect to the USB2.0 header using a converter cable sold separately. Using this converter will make the front USB ports 2.0 compatible.

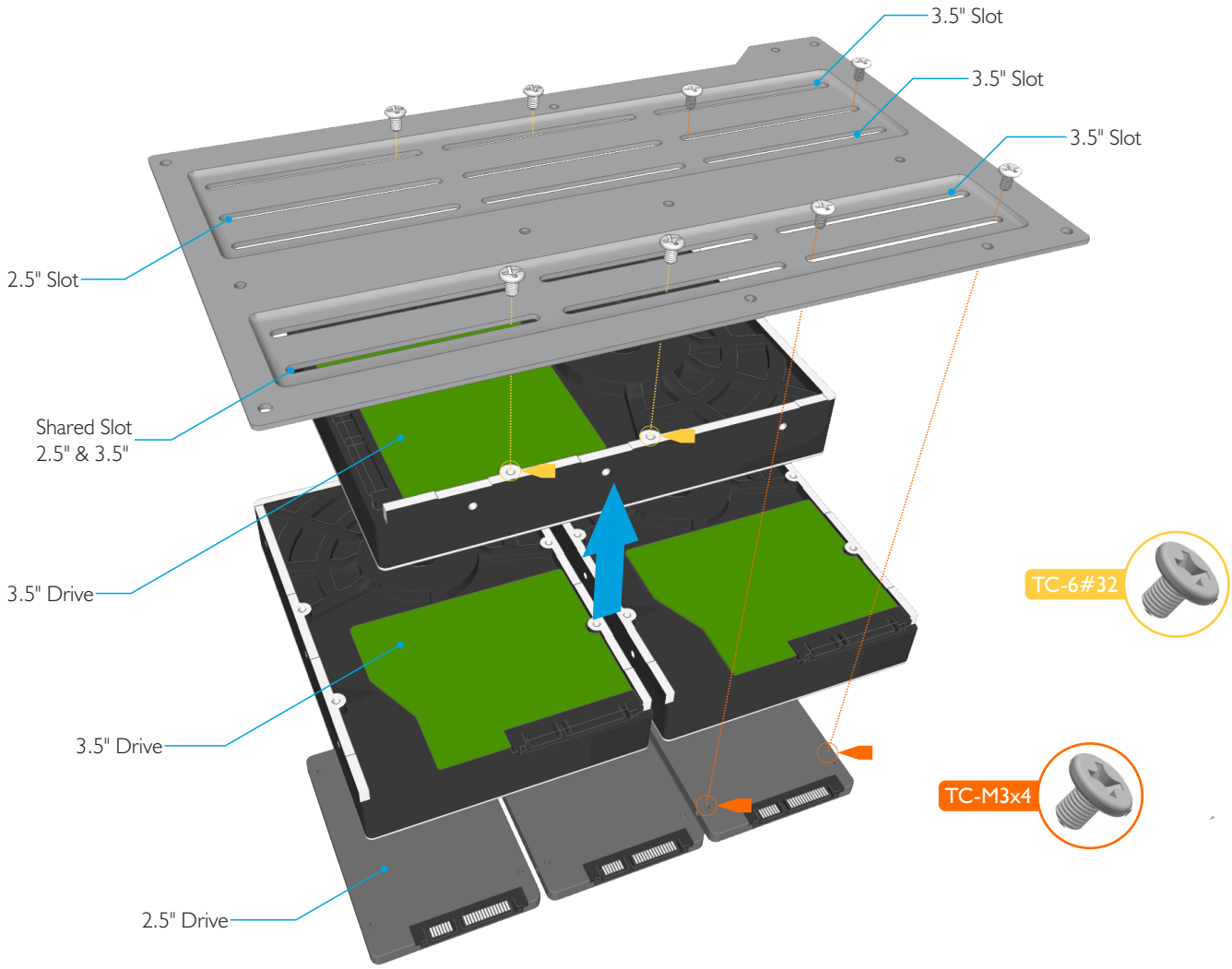


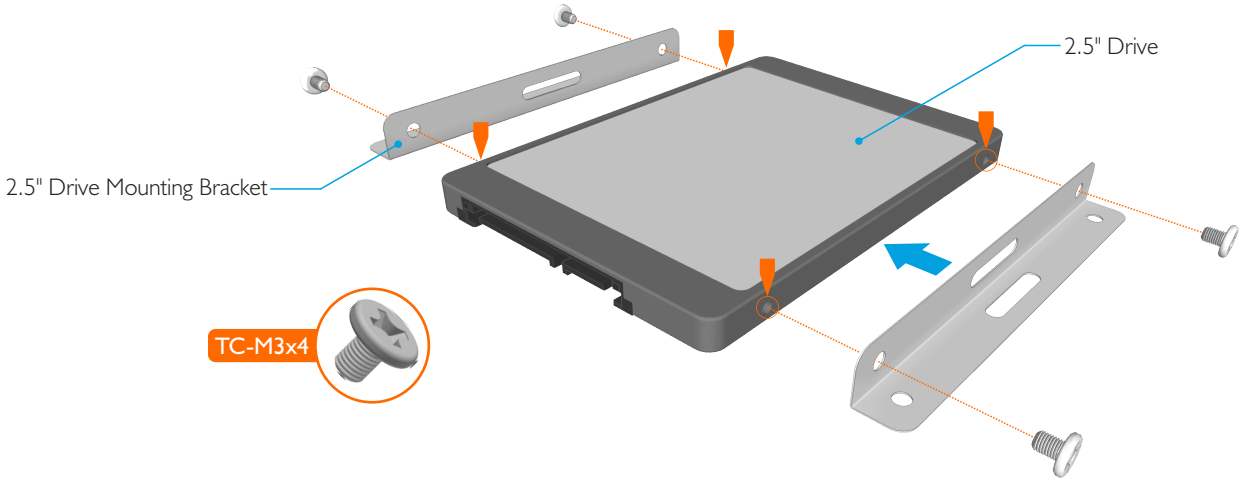
Fitting the Drives

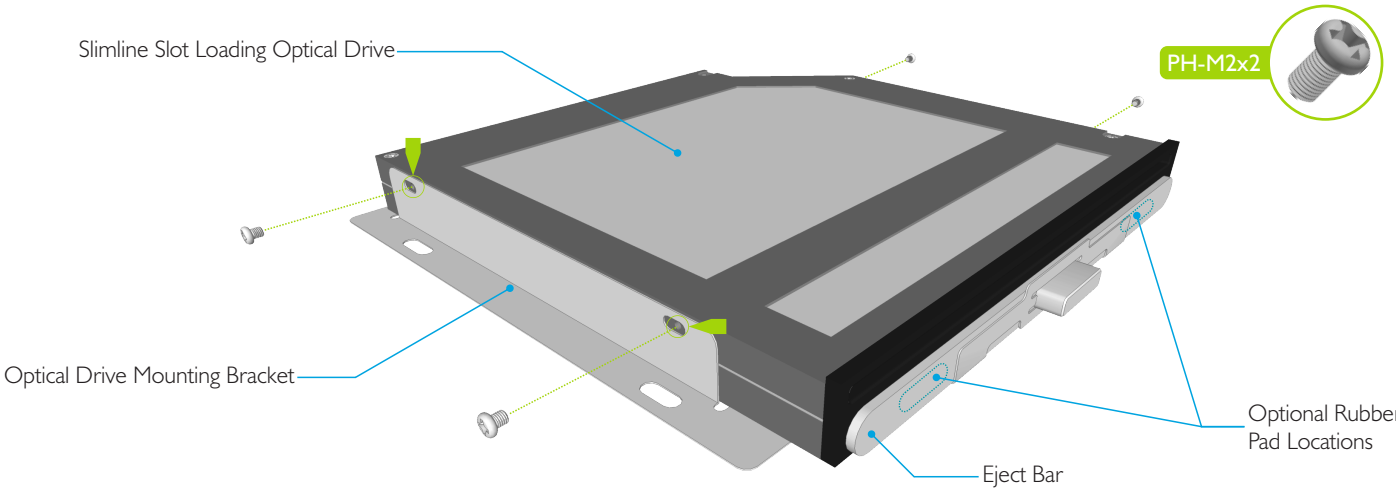
The lower side of the drive tray uses slots instead of fixed holes, which allow drives to be fitted anywhere along the tray and with different orientations. The number of drives that can be fitted will depend on the exact hardware installed in the case. A maximum of 2 x 3.5" and a minimum of 1 x 3.5" drives can be fitted. If you don't plan on using a 3.5" drive, up to 3 x 2.5" drives can be fitted to the bottom side of the tray, and of course there are possibilities to mix 3.5" and 2.5" drives. Where you position the drives on these slots is up to you and what works best with the other hardware installed.

There are 5 slots on the tray (each slot has 3 segments), 1 is shared for both 3.5" and 2.5" drives, 1 is exclusively for 2.5" drives, and the other 3 are for different 3.5" orientations.

Depending on which drive (and orientation for 3.5" drives) you choose, use the appropriate screws and slots. The screws fit directly to the hard drives and secures them to the tray as shown.







All drives that will be fitted to the upper side of the drive tray require brackets to be attached first. If you purchased the OPTICAL version of the FC8, it will include an optical drive mounting bracket, otherwise the kit will include 4 x 2.5" mounting brackets (2 for each drive).

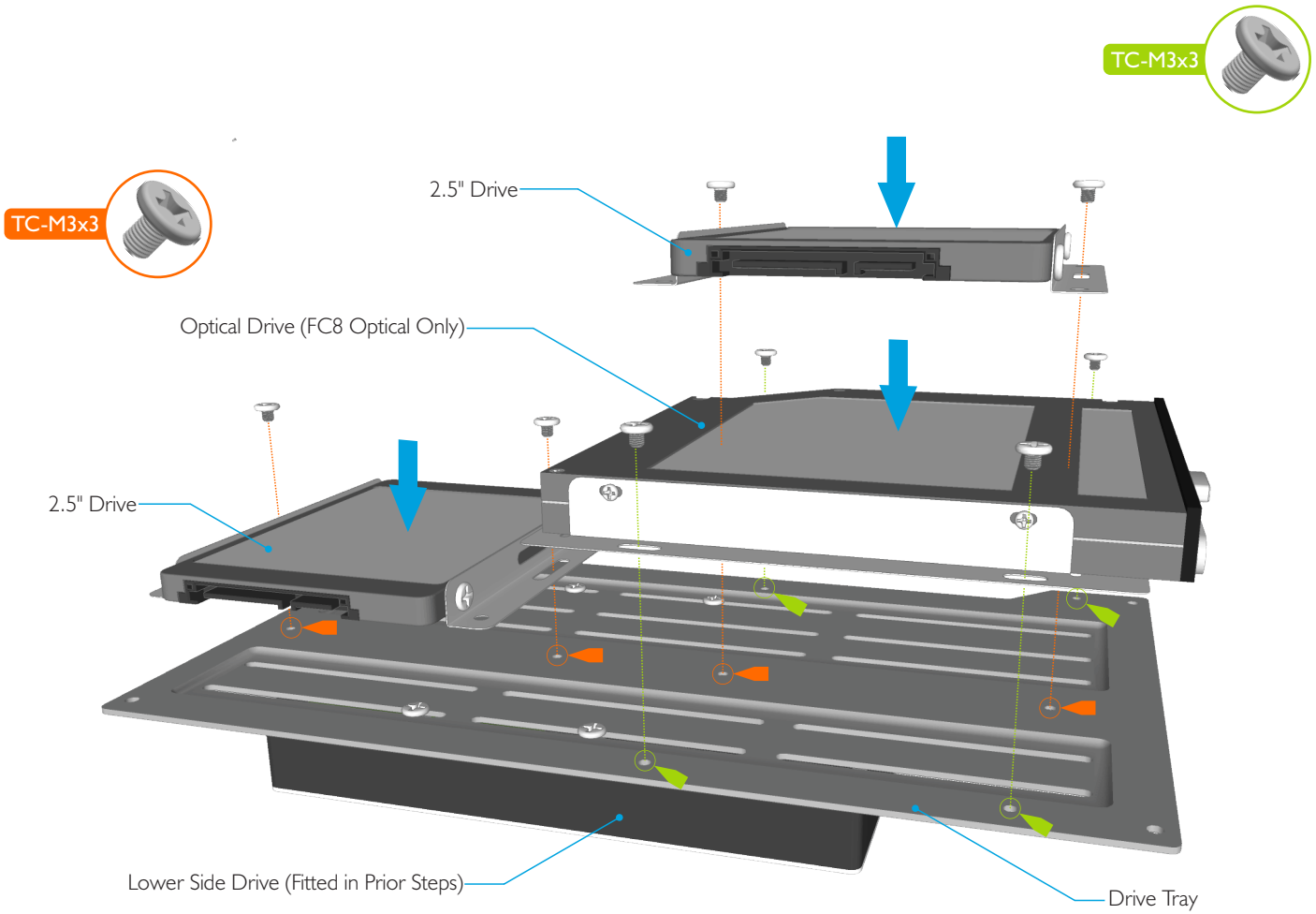
For the 2.5" drive, fit 2 brackets per drive as shown above. The brackets are identical, so it does not matter which one is used for which side. If you are installing 2 x 2.5" drives to the upper side of the tray, fit the brackets to both drives.

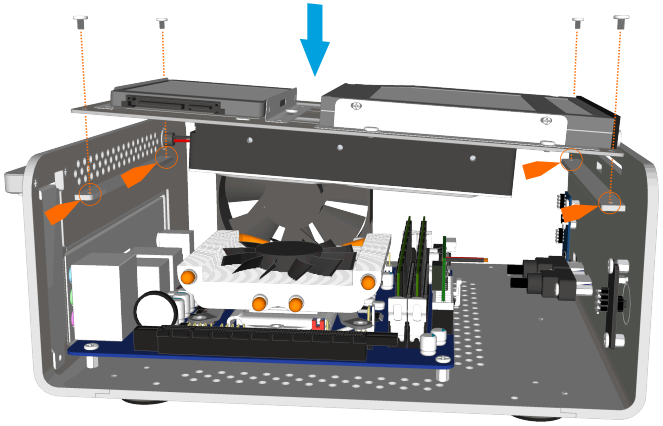
If you are installing an optical drive, secure it to the optical drive bracket using the 4 x 2mm screws supplied. The drive should be pushed as far forward as possible without activating the eject button before tightening the screws. If the screws meet any resistance (from internal components of the optical drive), do NOT tighten that screw any further, as it could damage the mechanism. Once secured to the bracket, test the eject button can function correctly. Depending on the eject button position and height, a rubber pad might need to be affixed between eject bar and drive eject button. The pads can either be applied directly to the drives eject button, or to the opposite side of the eject button, or both sides, whichever gives the best result.

Completing the Upper Drives Assembly

With the drive brackets attached, position the drives over the appropriate holes in the drive tray and secure them in place with the correct screws. The 2.5" drives require 2 screws per drive and has 2 fixed mounting locations (Optical version of FC8 can only use the location behind the optical drive)

If you have the OPTICAL version of the FC8, secure the optical drive in place with the 4 screws as shown, but DO NOT fully tighten the screws. Only after you have secured the drive tray back into the case should these screws be tightened as you will need to adjust the position of the drive to line up with the front of the case.





Replacing the Drive Tray

With all drives now fitted to the tray carefully lower it into the case. If you have the OPTICAL version of the F7C, angle the front of the tray to allow the eject button to fit into the opening on the front of the case.

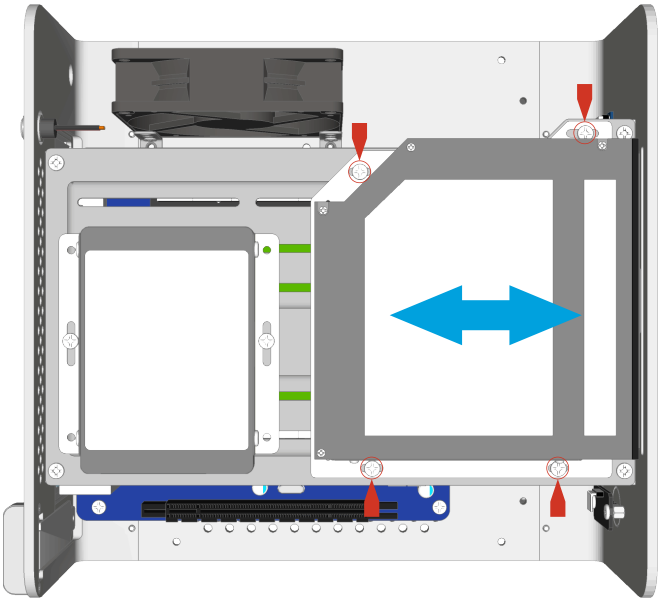
Replace the 4 screws to secure the tray in place, and connect up all the drive cables.

Adjusting the Optical Drive

Adjust the position of the optical drive so its aligned with the inside front of the case and the eject button protrudes about 1mm out from the front of the case.

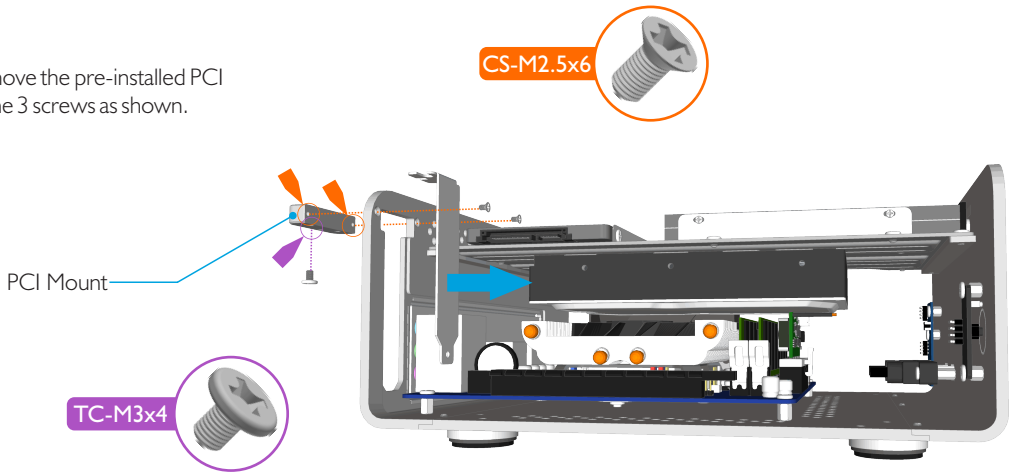
Test that the button operates correctly by listening/feeling for the button 'click' when pressing the eject button.

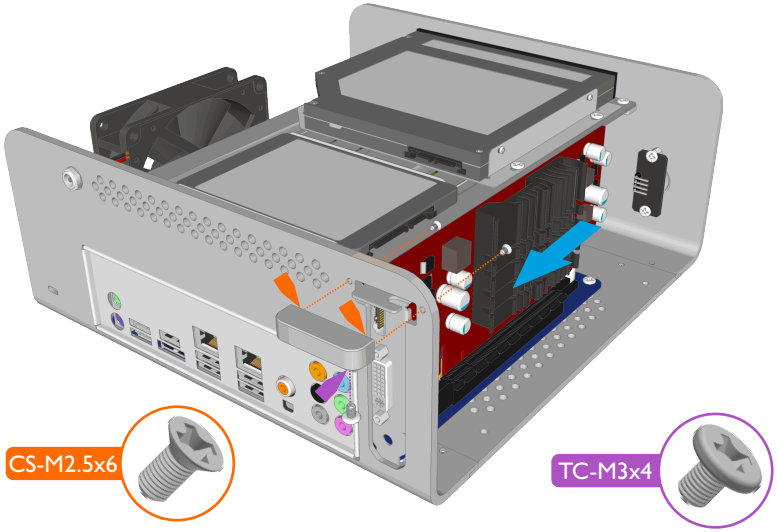
Once the correct position has been found, tighten the 4 screws to secure the optical drive in place.



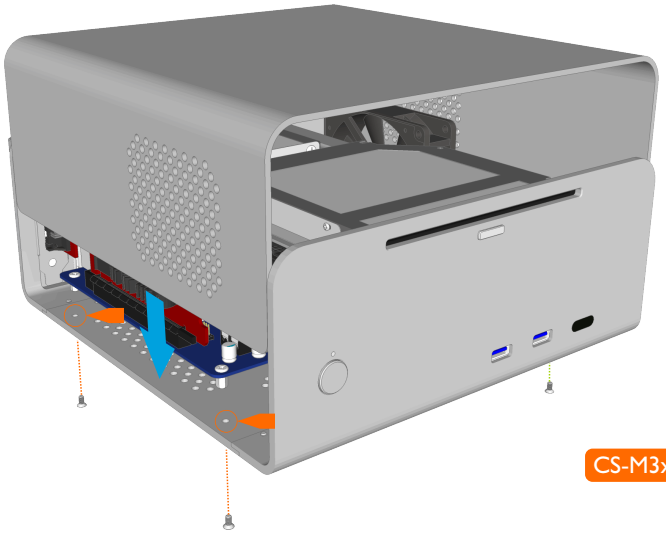
Installing PCI Card (Optional)

To install the low profile expansion card, first remove the pre-installed PCI blanking plate and the PCI mount by removing the 3 screws as shown.



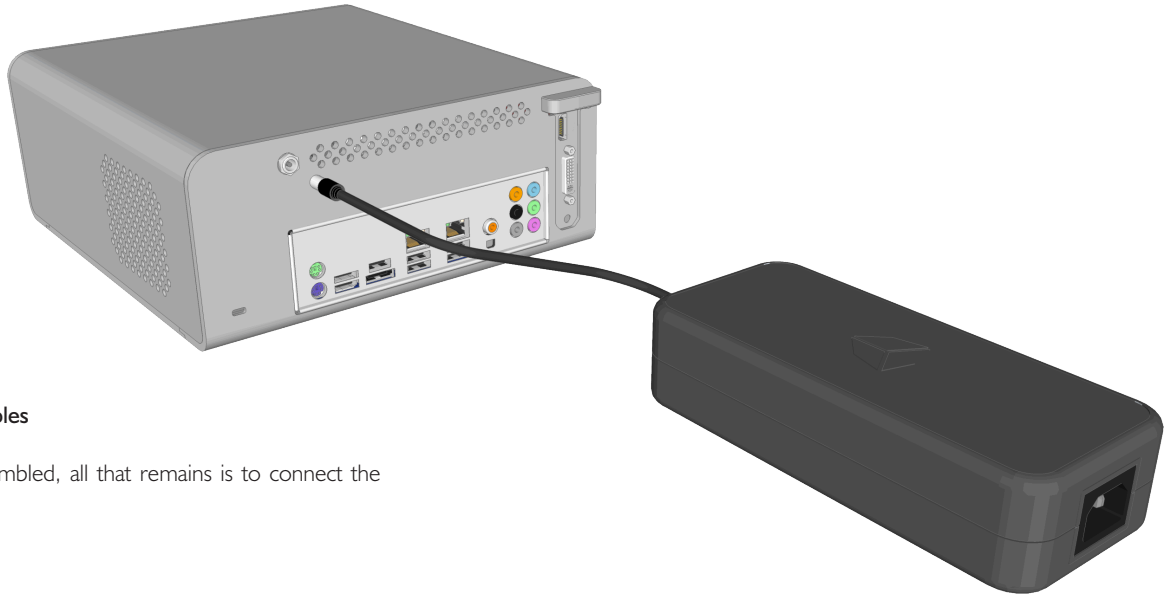


Carefully position the card into the rear PCI opening on the back panel of the case, then push it into the motherboard expansion slot. Once the card is fully seated into the motherboard, replace the PCI mount and finally secure the card with a single screw to the mount.



Replace the Top Panel

With all the components installed, the top panel can now be replaced. Prior to doing this, ensure that all cables are connected and all components are securely fitted. Secure the top panel it in place using 4 screws from the underside of the case.



Connect Power & Other Cables

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