



---

# **Rack Mounting Kits Installation Guide**

*This guide covers the installation of both  
Fixed Rear Support and Telescopic Sliding Rail Kits*

---

Contents

Fixed Rear Support Kit - Installation Guide.....2

    Kit Contents .....2

    Product Fitting Compatibility.....3

    Measuring Your Rack Cabinet.....3

    Fitting the Rear Rack Support Brackets .....4

    Fitting the Front Rack Support Brackets .....5

    Fitting the Support Rail to the Product Case .....6

    Locations of Support Rail Mounting Holes .....7

    Installation .....8

Telescopic Sliding Rail Kit – Installation Guide .....9

    Kit Contents .....9

    Rail Length Options.....9

    Product Compatibility .....10

    Fitting to Rack .....11

    Fitting to Chassis .....13

    Installation .....16

# Fixed Rear Support Kit - Installation Guide

---

## Kit Contents

The below parts are items you may receive with your product or rail kit (if purchased separately). You will not receive all of the parts shown since they are not all required for every product.

### 1U Rack Support Bracket



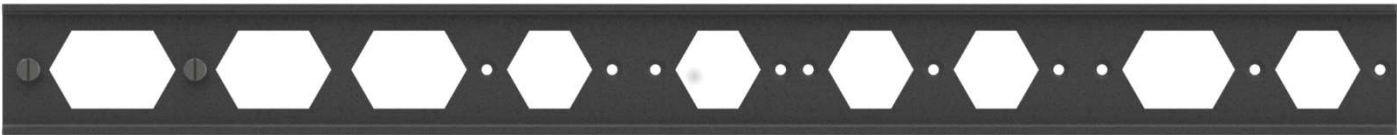
### 2U Rack Support Bracket



### Rack Support Rail Short



### Rack Support Rail Long



## Product Fitting Compatibility

You can now check you have the correct parts using Table 1 below.

Table 1 – Product compatibility table

Product Name	Bracket	Rail	Fitting Screws Supplied
1U PC 1U Plus	1U Rack Support Bracket	Rack Support Rail Short	4x M3x3mm Shoulder Screw (pre-fitted into the Support Rail)  10x M3x6mm Countersunk  Note: Cage Nuts and Screw are NOT Supplied
		Rack Support Rail Long	
2U Nano 2U PC 3U PC 4U Nano	2U Rack Support Bracket	Rack Support Rail Short	
		Rack Support Rail Long	

## Measuring Your Rack Cabinet

Rack cabinets can be setup in different ways, we have enabled our rails to be adjusted to install into most configurations. Before installing your product, you need to measure the distance between the front upright and our Rear Rack Support Bracket as shown below.

Figure 1 – Measure the distance between front upright and the Rear Support Bracket slot

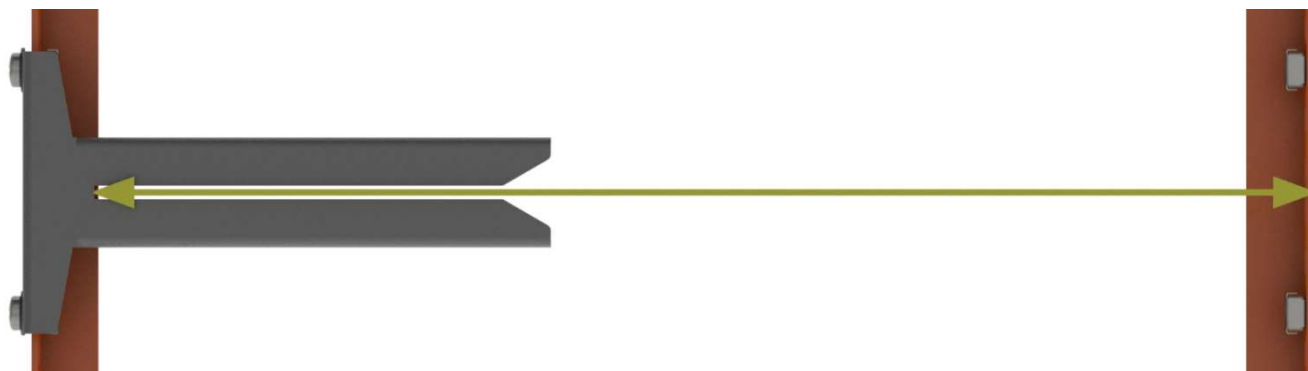


Table 2 - Reference table of distances between uprights

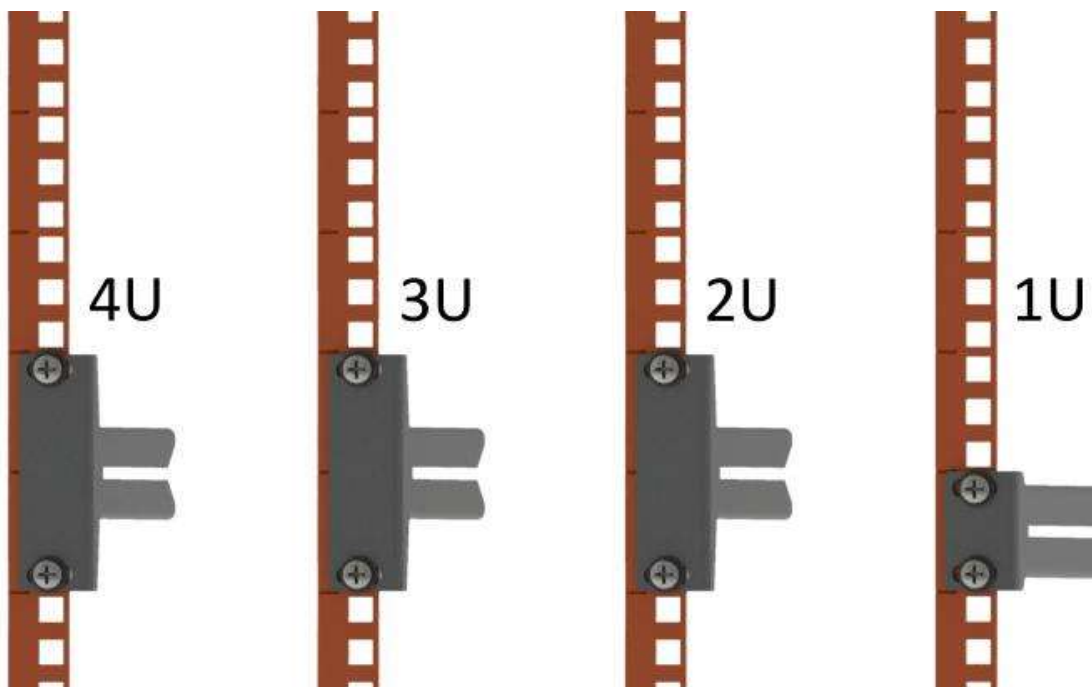
		200mm	300mm	400mm	500mm	600mm	700mm	800mm	900mm
<b>1U PC</b>	Rack Support Bracket Only	370							
	Rack Support Rail Short				505	720			
	Rack Support Rail Long				530	770			
<b>1U Plus</b>	Rack Support Bracket Only	500							
	Rack Support Rail Long				560	870			
<b>2U Nano</b>	Rack Support Bracket Only	400							
	Rack Support Rail Short				520	720			
	Rack Support Rail Long				540	770			
<b>2U PC</b>	Rack Support Bracket Only	500							
	Rack Support Rail Long					645	870		
<b>3U PC</b>	Rack Support Bracket Only	480							
	Rack Support Rail Short				535	820			
	Rack Support Rail Long				575	870			
<b>4U Nano</b>	Rack Support Bracket Only	400							
	Rack Support Rail Long				495	770			

The following table will then assist you in which rails you need. Should you not have the correct parts please contact us.

### Fitting the Rear Rack Support Brackets

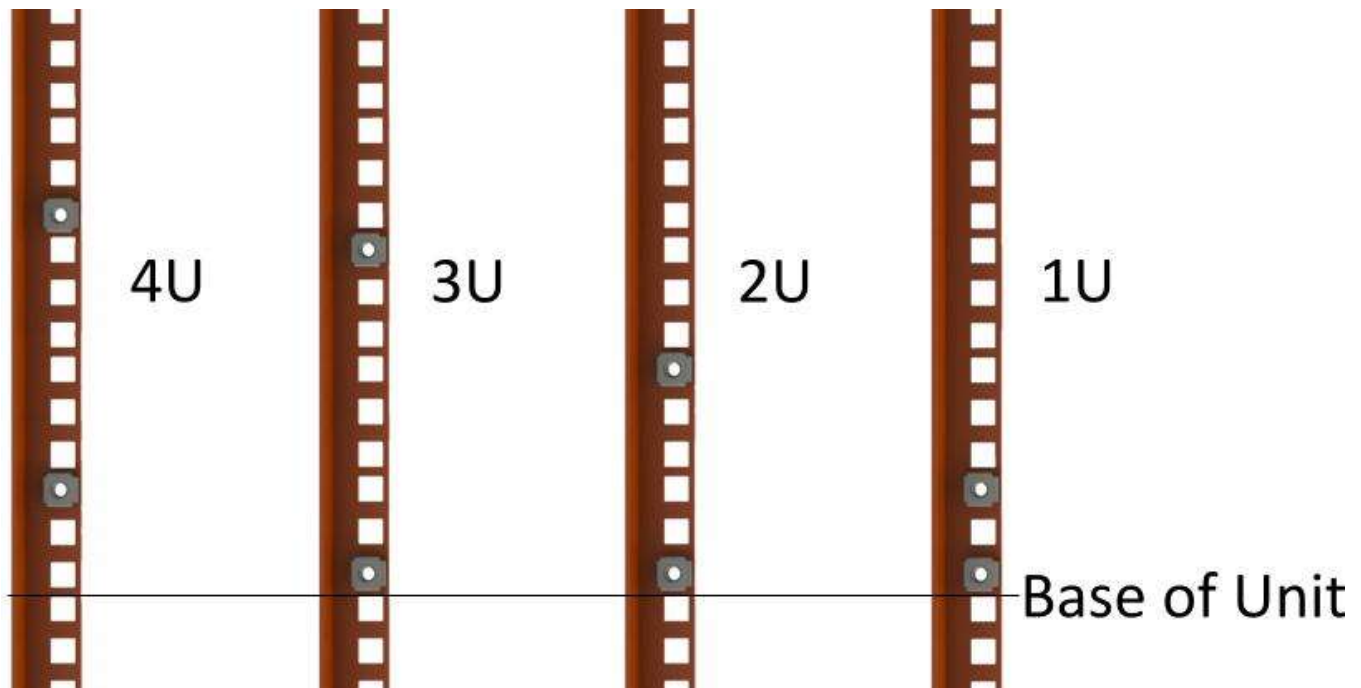
Loosely fit the compatible “Rack Support Brackets” to the rear uprights of your rack cabinet. As stated in Table 1, the same brackets are used across multiple products.

Once you have located the correct bracket, fit your cage nuts into rear uprights as positions show below.



## Fitting the Front Rack Support Brackets

The front rack brackets are fitted to your product. Cage nuts only need to be fitted to positions as shown below depending on the height of your unit.



## Fitting the Support Rail to the Product Case

Next you need to fit the “Rack Support Rails” to side of product, using the supplied M3x6 countersunk screws.

There are multiple holes along the side of the product case (see Page 6) that can be used to attach the Rack Support Rail. The position of the rail is dictated by comparing the measurement taken earlier, Figure 1, with a new measurement as per Figure 2 below.

Position the Rack Support Rail on the case so the distance in Figure 2 is less than that previously taken in Figure 1, but as close as possible. The slot in the Rack Support Bracket allows for a margin of variation.

*Figure 2 - Measure mounting depth*



*Figure 3 - Move the Support Rail to the approximate position and fix to the case*



If the spacing between the Rack Cabinet’s upright Rails is particularly short then the shouldered screws, that come supplied on the Support Rails, can be installed directly into the Chassis, as shown below.



Locations of Support Rail Mounting Holes

1U PC

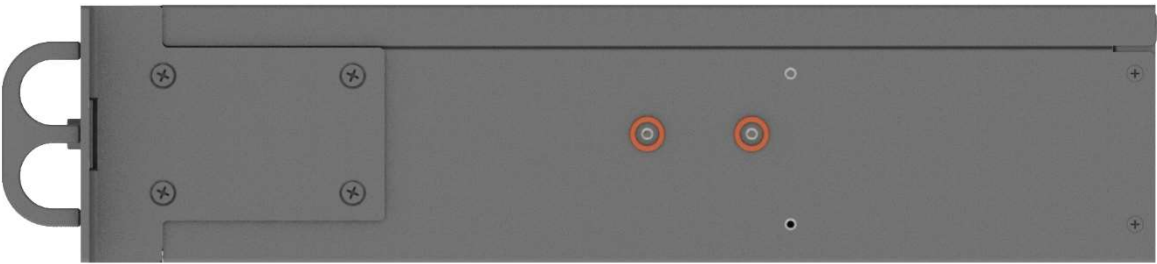
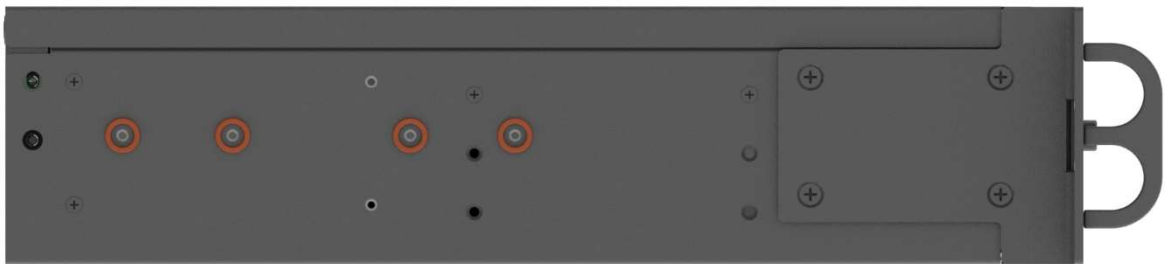


1U Plus

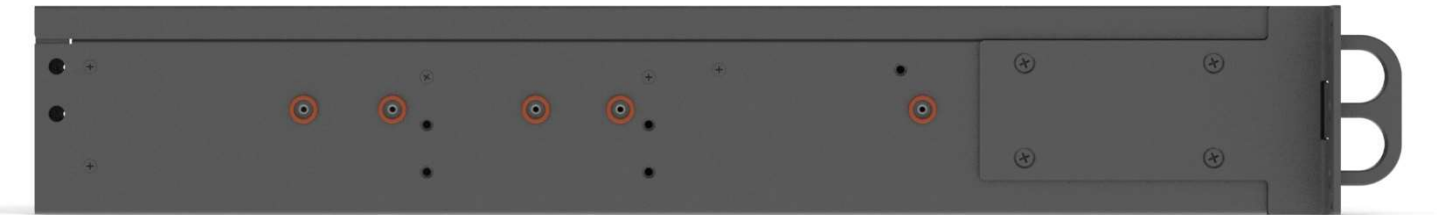


2U Nano

Due to the position of the internal power supply in the 2U Nano there are fewer Support Rail mounting points on the right-hand side of the unit. It may only be possible then to mount a Support Rail to one side.

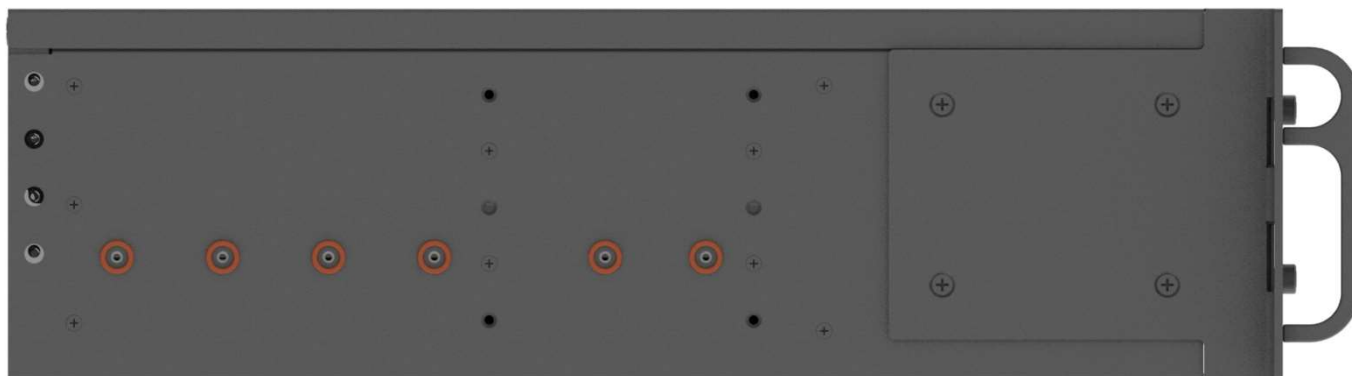


2U PC

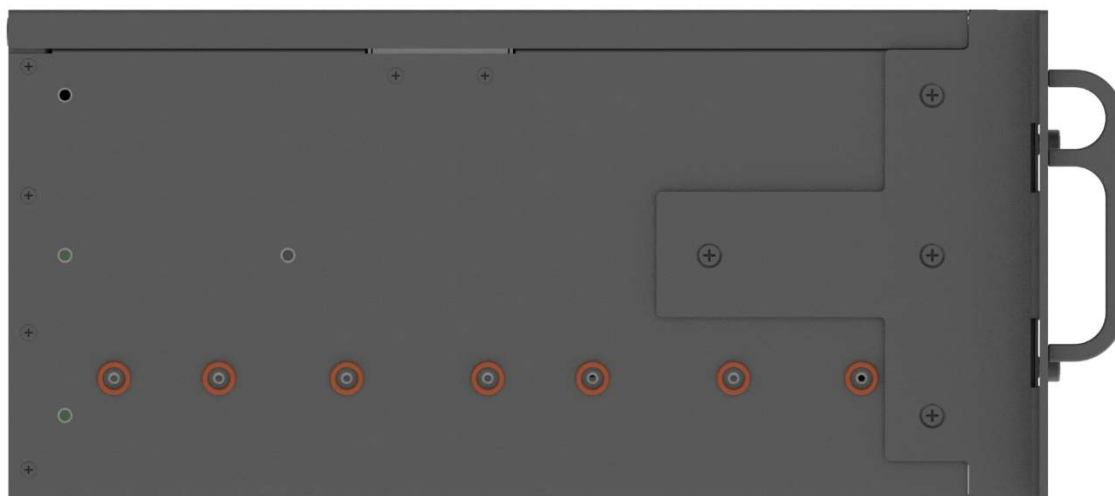




### 3U PC



### 4U Nano



## Installation

You are now ready to fit the case into the Rack Cabinet.

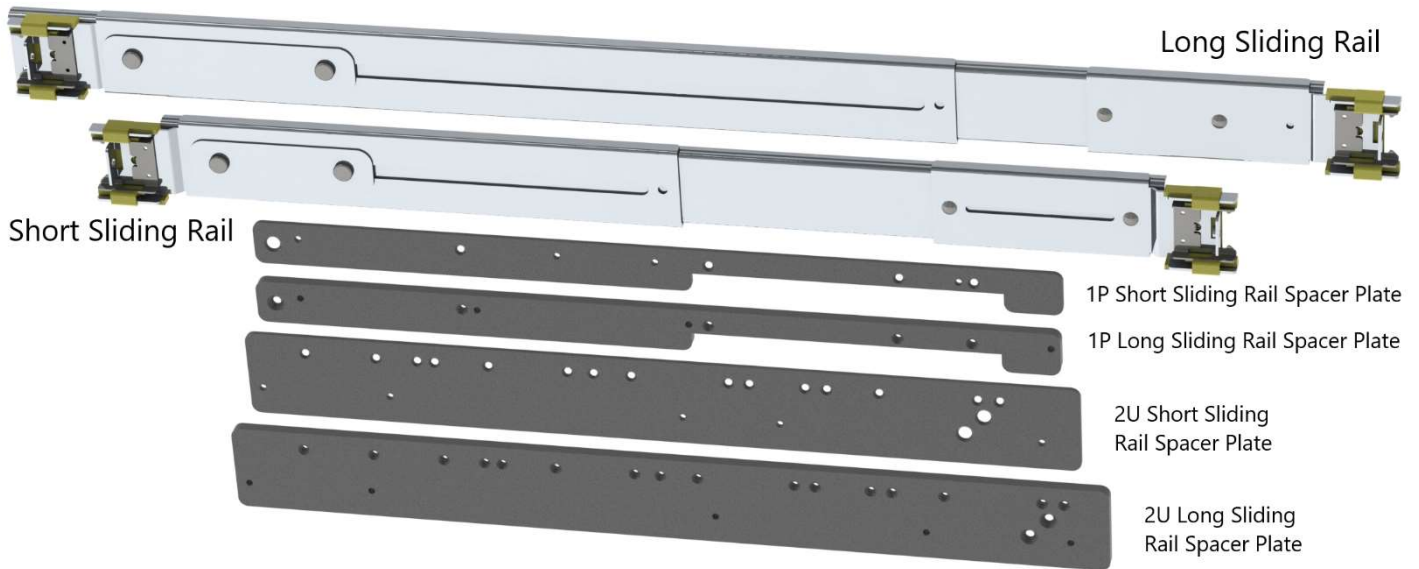
Pass the case through the rack from the front of the Rack Cabinet, until the shouldered screws on the Rack Support Rails slot into the channels on the Rear Rack Support Brackets.

Now fix the Front Rack Brackets in to the cages nuts previously fitted to the Front Rack Cabinet uprights.

## Telescopic Sliding Rail Kit – Installation Guide

### Kit Contents

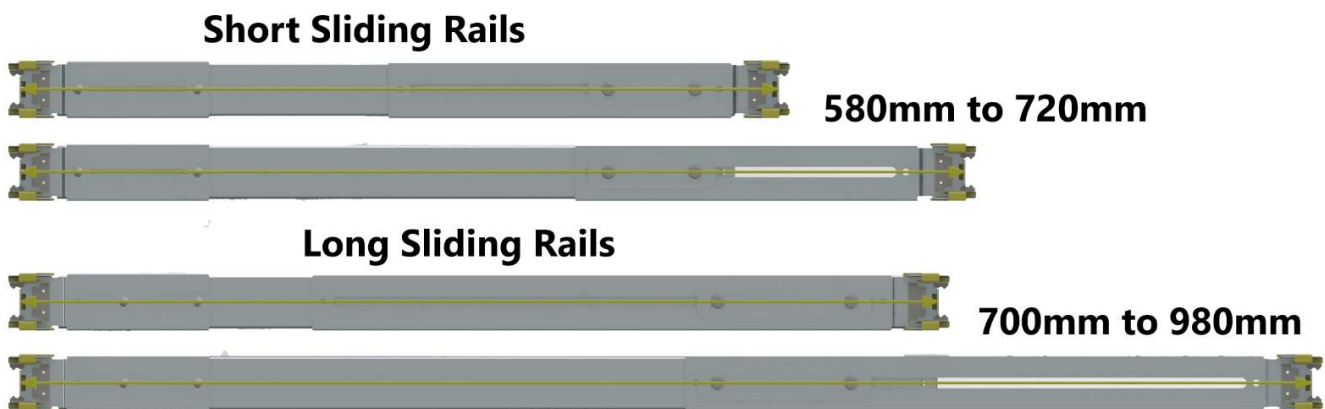
The below parts are items you may receive with your product or rail kit (if purchased separately). You will not receive all of the parts shown since they are not all required for every product.



### Rail Length Options

Telescopic rails come in two different lengths depending on the distance between the front and rear uprights of your rack cabinet. If you don't know the distance you should measure it first to ensure you have the correct length rails.

Figure 4 - Telescopic Rail Lengths



## Product Compatibility

You can now check you have the correct parts using Table 3 below.

Table 3 - Product Compatibility table of parts

Product Name	Rail Type	Spacer Plate Required	Fitting Screws
1U Plus	Short Sliding Rails	1P Short Sliding Rail Spacer Plate	8x M3x6mm Countersunk, 2x M4x6mm Countersunk, 8x M4x3mm Button Head
	Long Sliding Rails	1P Long Sliding Rail Spacer Plate	8x M3x10mm Countersunk, 2x M4x10mm Countersunk, 8x M4x4mm Button Head
2U PC	Short Sliding Rails	2U Short Sliding Rail Spacer Plate	6x M3x6mm Countersunk, 2x M4x6mm Countersunk, 10x M4x3mm Button Head, 2x M5 Cage Nuts
	Long Sliding Rails	2U Long Sliding Rail Spacer Plate	6x M3x10mm Countersunk, 2x M4x10mm Countersunk, 8x M4x4mm Button Head, 2x M5 Cage Nuts
3U PC	Short Sliding Rails	2U Short Sliding Rail Spacer Plate	6x M3x6mm Countersunk, 2x M4x6mm Countersunk, 10x M4x3mm Button Head, 2x M5 Cage Nuts
	Long Sliding Rails	2U Long Sliding Rail Spacer Plate	6x M3x10mm Countersunk, 2x M4x10mm Countersunk, 8x M4x4mm Button Head, 2x M5 Cage Nuts
4U Nano	Short Sliding Rails	2U Short Sliding Rail Spacer Plate	8x M3x6mm Countersunk, 10x M4x3mm Button Head, 2x M5 Cage Nuts
	Long Sliding Rails	2U Long Sliding Rail Spacer Plate	8x M3x10mm Countersunk, 8x M4x4mm Button Head, 2x M5 Cage Nuts

## Fitting to Rack

1. Look for the LH and RH stamped marks on the inner and middle sliding rails, or an L or R sticker on the outer rails
2. Allocate the sliding rails to the correct side of the rack cabinet (when looking at the front of the cabinet)  
**NOTE - Before installation; slide the yellow plastic lock back, to allow the sprung metal tabs to click in during fitment.**
3. Push rail clip through the holes in the uprights



4. It will click into place once correctly located



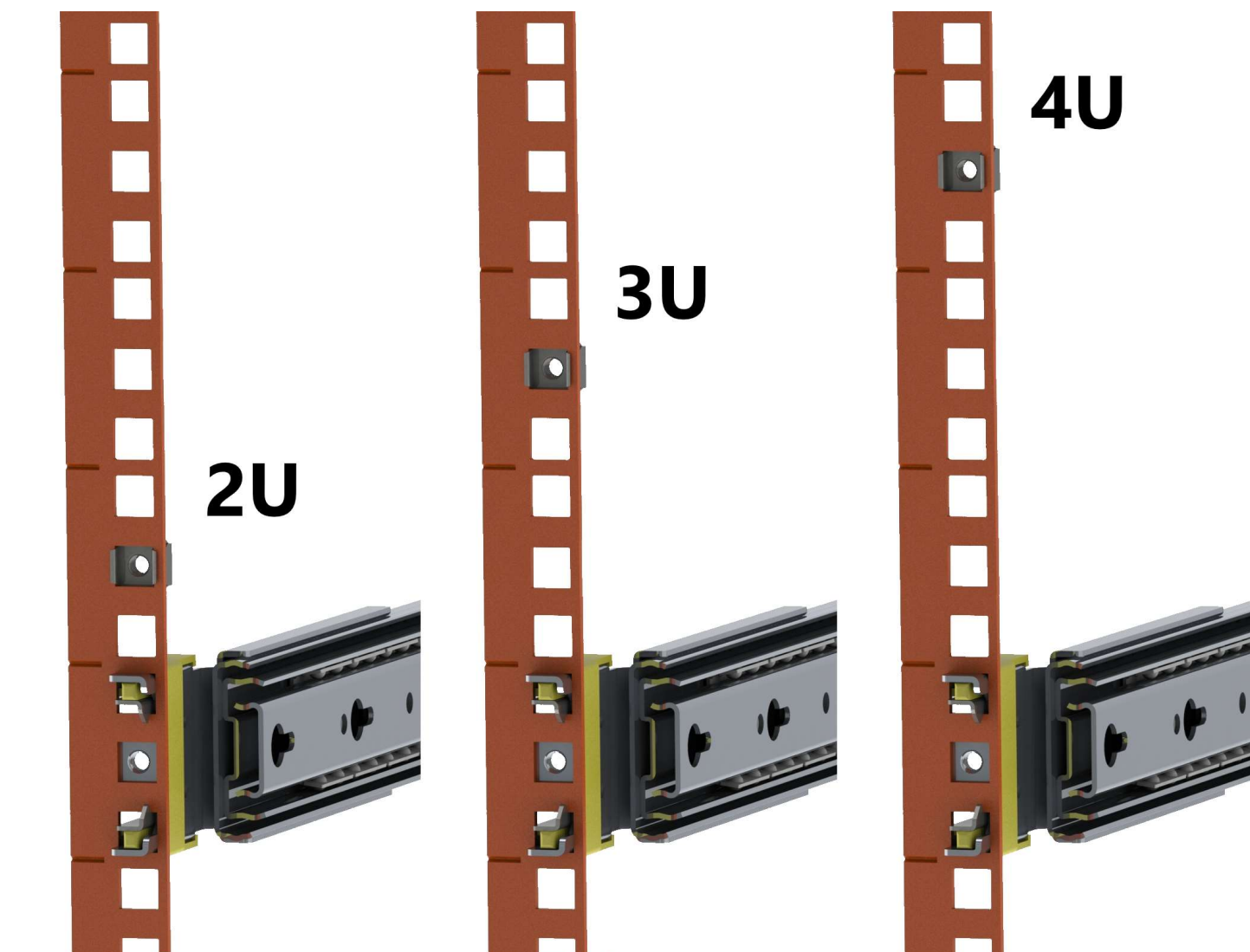
5. Clip in the rear and front of the rails in the same way

**IMPORTANT – Push the yellow lock forward, securing the rails in place.**



6. For a 2U/3U/4U product case installation fit the M5 cage nuts supplied to the Front Rack Cabinet uprights in the position shown below.

7. *Figure 5 - Position of M5 Cage Nut for different product height. Not required for 1U products.*



Fitting to Chassis

- 1. Fully extent the inner sliding rail, until both the inner and middle sliding rails lock, then extract the inner sliding rails by pushing down on the locking lever shown below.



- 2. Screw the compatible Rail Spacer Plate (check Table 3) to the case. This process may already have been done by our workshop if you ordered the product with a Sliding Rail Kit.
- 3. Attach the inner sliding rails to the Rail Space Plate, ensuring the correct handed rail is used (release lever should be at the top of the rail). The following screws should be used as the colour denotes in the following images.

**Note: Avoiding bending the exposed ends.**

1	Red	M3 Countersunk Screw
2	Green	M4 Countersunk Screw
3	Blue	M4 Button Head Screw

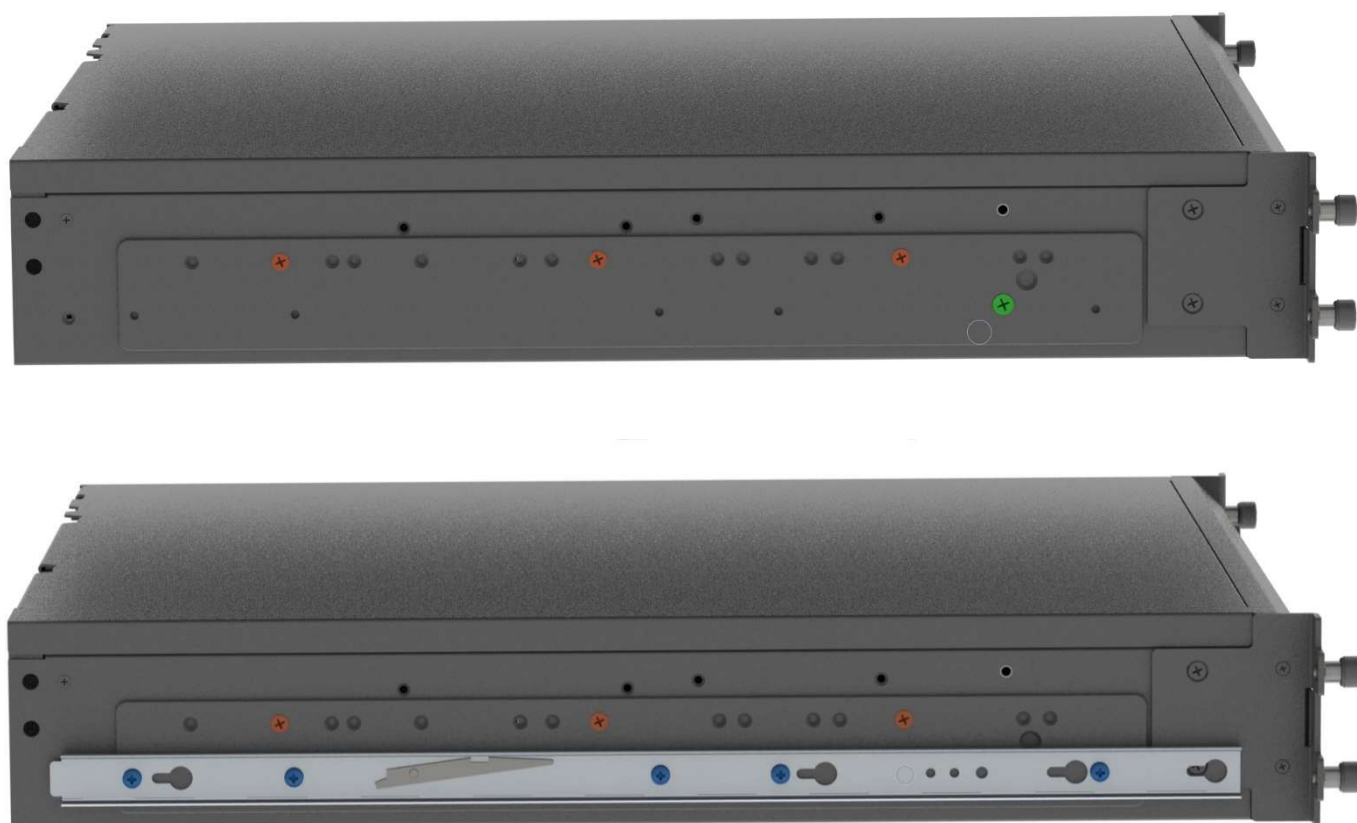
1U Plus with Short Rails



*1U Plus with Long Rails*



*2U PC with Short Rails*





*2U PC with Long Rails*



*3U PC with Short Rails*



*3U PC with Long Rails*





*4U Nano with Short Rails*



*4U Nano with Long Rails*



## Installation

Ensure both rails are fully extended and locked in place, with the exposed ball bearing 'races' also fully forward and locked.



Guide the inner sliding rail ends into the extended rail channels, then push in the unit. Release the locking tabs on the side when the unit hits them and push the unit all the way in. Then screw in the Thumb Screws at the front of the unit.