



# PC-S190S

( For 19 GPUs )

## Product Introduction

1. It is a bare building block frame.
2. Simple aluminum profile construction , it's full of DIY fun.
3. 20\*20 aluminum profile, the structure will be strong.
4. It can install ATX power supply.
5. Good cooling function.

1	Model: Building Block Bare Frame Applicable Motherboard: ATX(305*244mm) Power Supply Design: 4 ATX Power Supply	2	3.5" / 2.5" Bay: 2 PCS ( every kind has 2 sets of screws) PCI Expansion Slots: 19 PCS of Slots Switch Interface: Start/ Restart Switch and Indicator Light
3	Heat Dispersion: Bare Cooling Chassis Assembling: DIY Self-assembly	4	Material: Hardened Acrylic Panels & 20*20 Aluminum Profiles Dimension: L760x W360x H750mm
5	Installation Instructions x 1 Product Parts' List x 1 Assembly Parts x 1 Screws Box x 1	6	It's delicate and simple, it can convenient to install and disassembly, also can achieve the superposition. You will find fully experience of DIY fun, it will be full of personality.

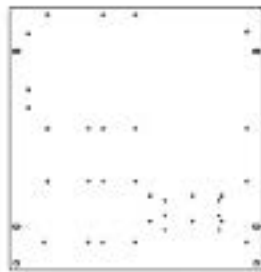
### Notice:

1. The case needs you install it by yourself, please patience according to the instruction steps to assemble.
2. Some of panels are with a design of one-time disassembly, you should consider it then install.
3. The motherboard is ATX structure, the size must be within 305\*244mm.
4. Do regular scheduled maintenance on your acrylic panels, it will keep original bright for a long time after tear the film.

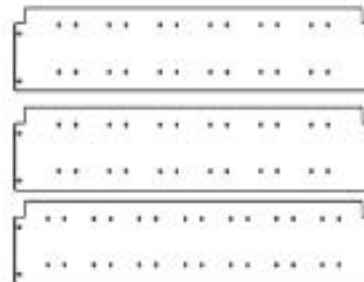


## Shipping List

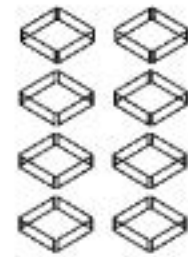
NINGBO QDIY	Product Name	Mining Frame
	Item	PC-S190S



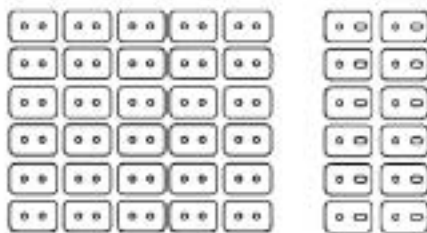
**B1 Mainboard Fixing Plate**



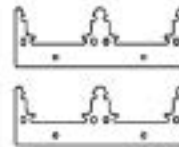
**B2 Graphics Card's Fixing Plate**



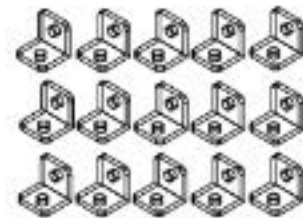
**D6 Square Aluminum Rod End Cap**



**P3 Fan Fixing Plate**



**P2 Power Supply Fixing Strip**



**D7 L-shape Corner Pieces 15PCS**



**P1 PCI Fixing Strip**  
(2 pcs of 6 slots)



**P1 PCI Fixing Strip**  
(1 pc of 7 slots)



1800M X 2pcs (mark D1) :tapping at both ends  
 3200M X 10pcs (mark D2) : boring at side face  
 720M X 2pcs (mark D3) :boring at side face  
 720M X 5pcs (mark D4) :tapping at both ends  
 750M X 4pcs (mark D5) :boring at side face

Gloves	1 Set
Single-wire Switch	1 Set

### PC-S140S Screws List

Note: The screw models are only for reference.

Hexagon Socket Head Cap Screw Wrench		
Qdiy 13		Aluminum Bar Fixing Screw
Qdiy 10		Fan fixing screw
Qdiy 09		PCI-E cable fixing screw
Qdiy 08		P1 GPU Fixing Screw
Qdiy 07		B1/B2/P2 Fixing Screw
Qdiy 06		Square Nut
Qdiy 05		D7 L-shape Corner Fittings Fixing Screw
Qdiy 04		Power Supply Fixing Screw + Washer
Qdiy 03		B1 Panel 2.5" SSD Fixing Screw
Qdiy 02		B1 Panel 3.5" HDD Fixing Screw
Qdiy 01		Motherboard Fixing Screw

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①

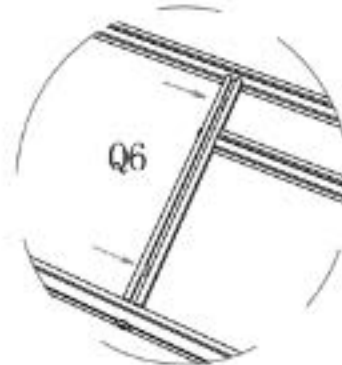
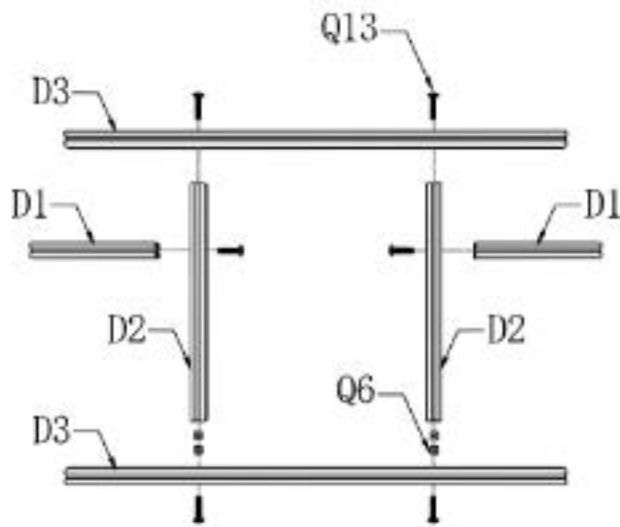


图1

Prepare the aluminum bars: D1x2 PCS, D2x 2 PCS, D3x 2PCS

Prepare the screws: Q13x6 pcs, the nut Q6x4 pcs

As the picture 1, let Q6 nuts insert into the D2 aluminum bar, each D2 bar have 2 pcs of nuts.

Then using the Q13 screw to fasten the aluminum bar.

②

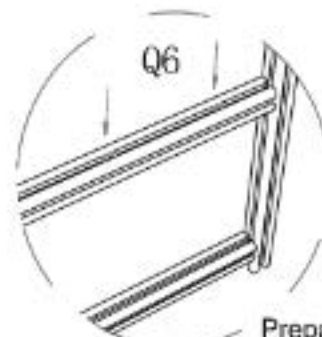
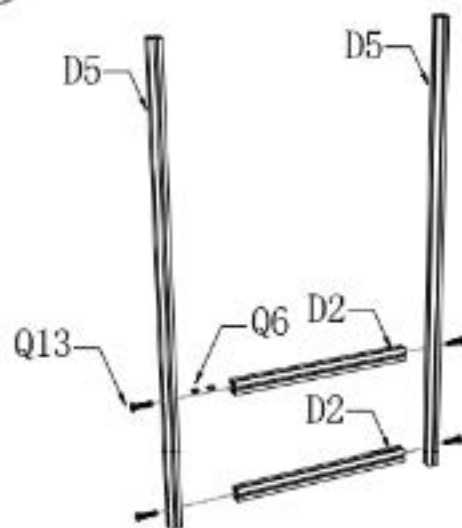


图1

Prepare the aluminum bars: D2x2 PCS, D5x 2 PCS.

Prepare the screws: Q13x4pcs, the nut Q6x2pcs.

As the picture 1, let Q6 nuts insert into the D2 aluminum bar, each D2 bar have 2 pcs of nuts.

Then using the Q13 screw to fasten the aluminum bar.

Repeat the above steps to install another same part.

③

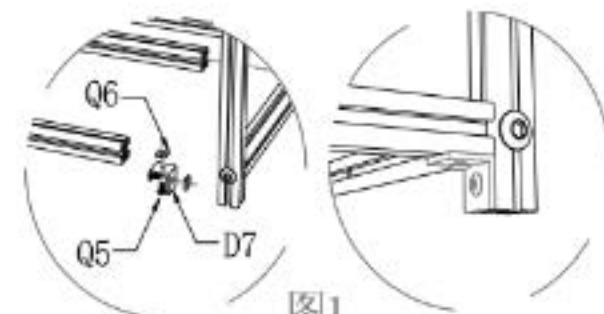
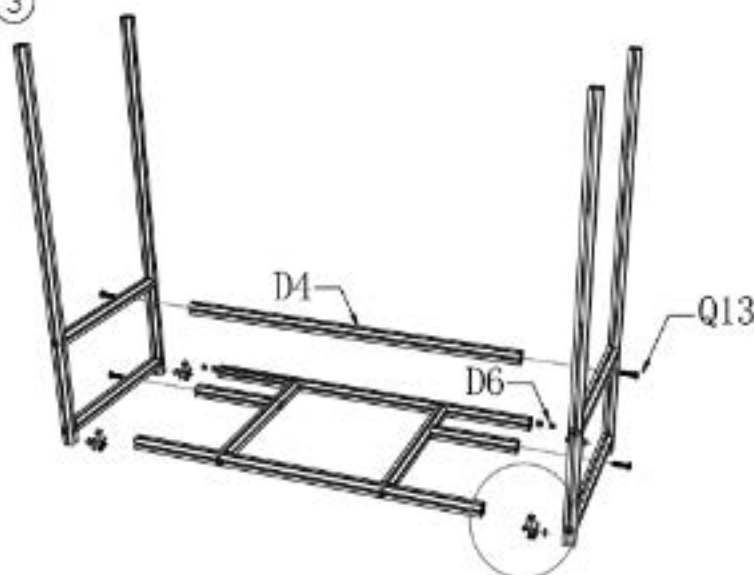


图1

Prepare the aluminum bars: D4x1 PC

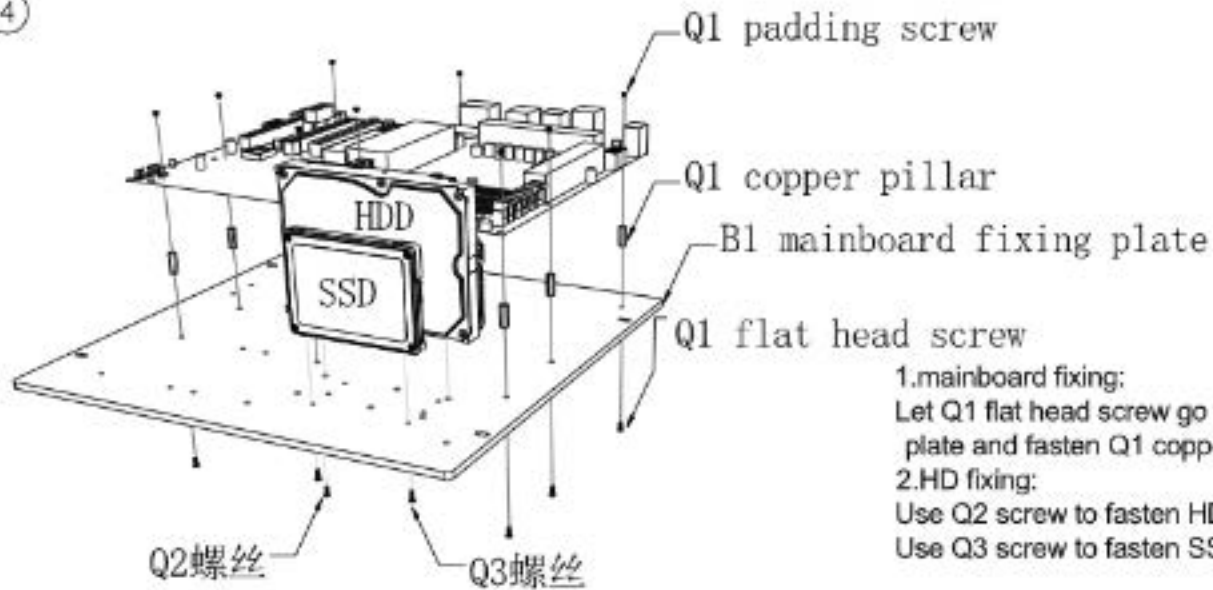
Prepare the screws: Q13x4pcs, the nuts Q6x8pcs, the screws Q5x12pcs, D7x4pcs.

First, insert 4 pcs of Q6 nuts into the backside of the frame which installed in the first step. ( in order to fasten PSU)

Second, use D7 L-shape corner, Q6 nut and Q5 screw to fasten the first setp and second step frame.

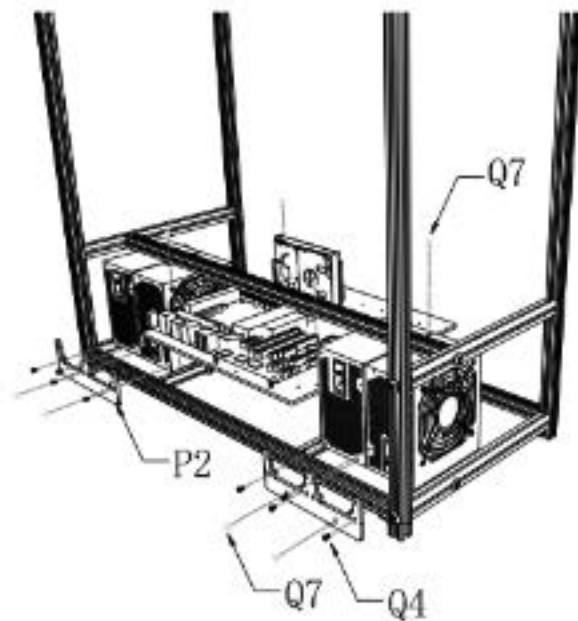
Last, use Q13 screw to fasten the D4 aluminum bar.

④



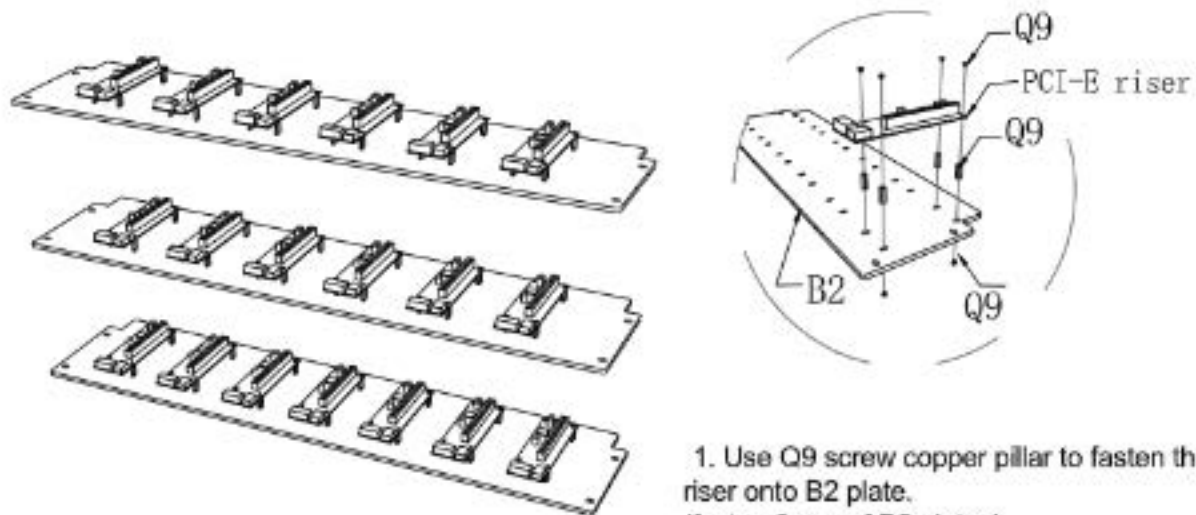
1. mainboard fixing:  
Let Q1 flat head screw go through the B1 plate and fasten Q1 copper pillar.
2. HD fixing:  
Use Q2 screw to fasten HDD  
Use Q3 screw to fasten SSD

⑤



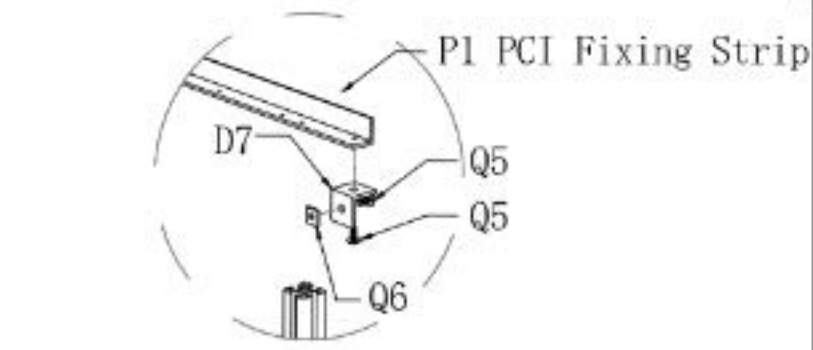
1. Use Q7 screw to fasten the B1 plate which installed the motherboard and P2 PSU fixing strip onto the aluminum bar.
2. Use Q4 screw to fasten the 4 pcs of PSU onto P2.  
(Note: the fan holes of the PSU need to put outwards.)

⑥

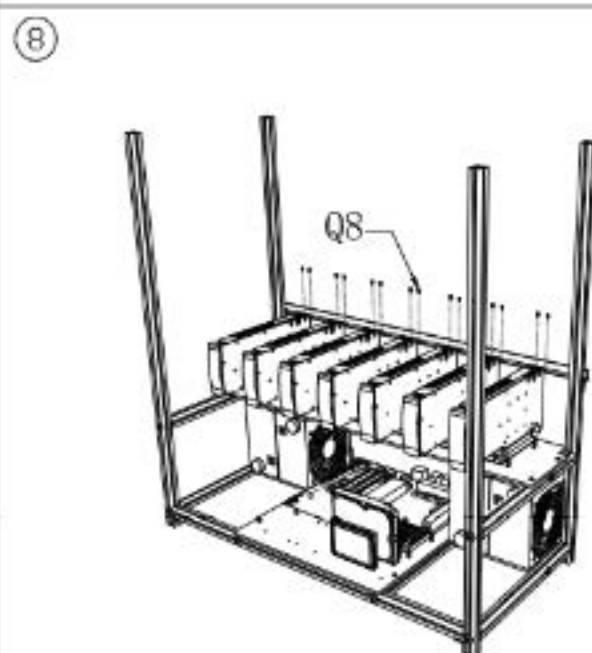


1. Use Q9 screw copper pillar to fasten the PCI-E riser onto B2 plate.  
(fasten 3 pcs of B2 plates)

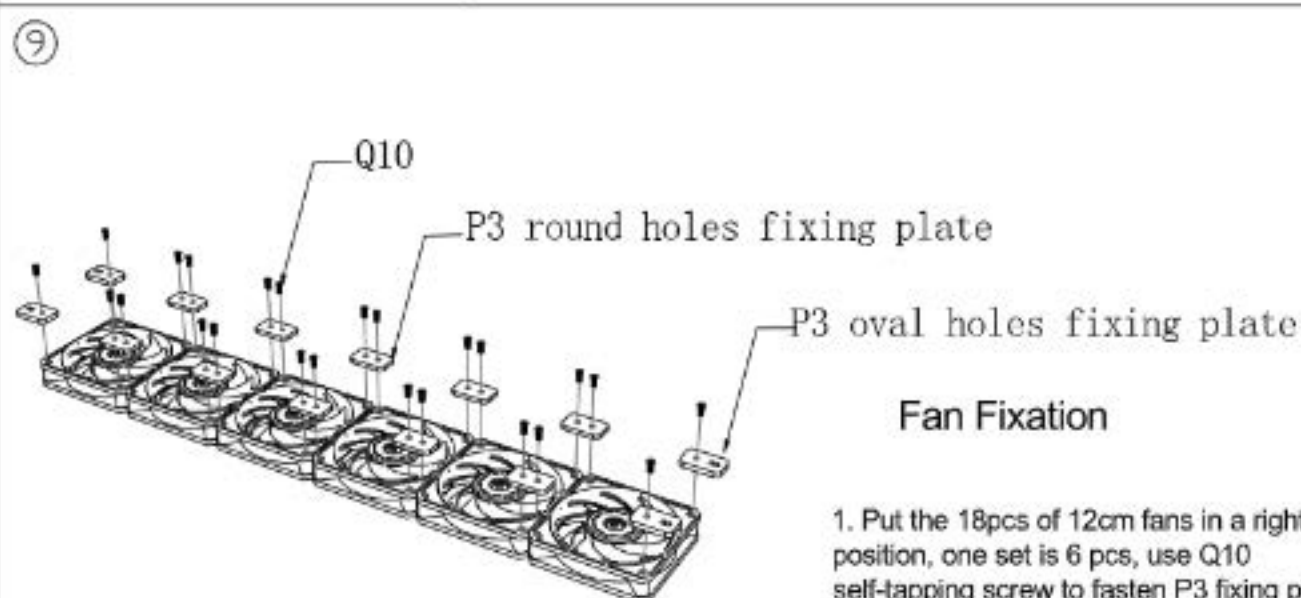
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1. Use Q7 screw to fasten the B2 plate which installed PCI-E risers onto the frame.
2. Use D7 L-shape fitting corner, Q5 screw, Q6 nut to fasten the P1 strip onto the back of the frame.

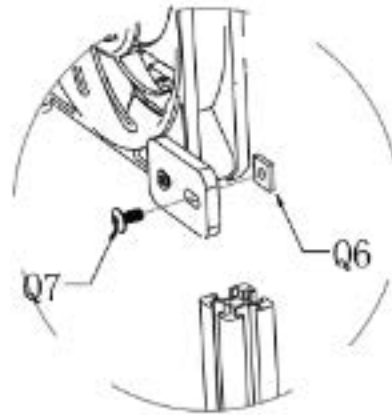
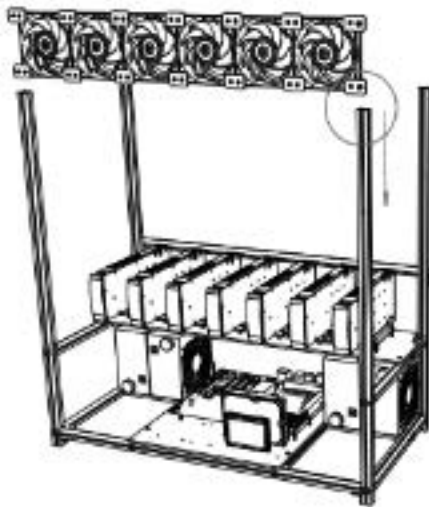


1. After insert the GPU, use Q8 screw to fasten the GPU onto P1 PCI strip.



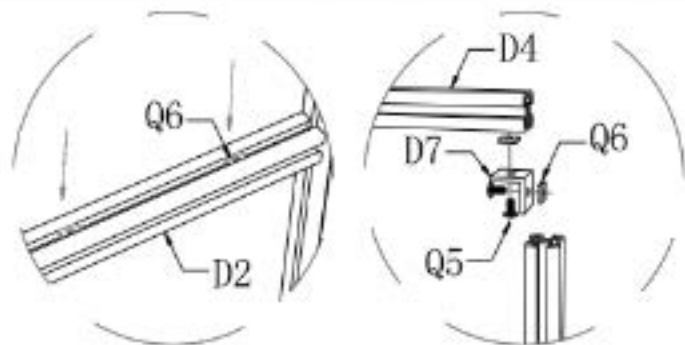
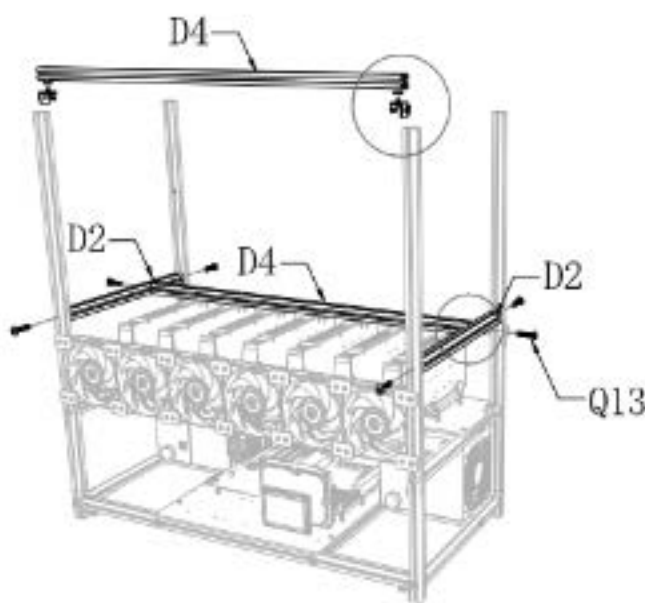
- Fan Fixation**
1. Put the 18pcs of 12cm fans in a right position, one set is 6 pcs, use Q10 self-tapping screw to fasten P3 fixing plates onto the fans.

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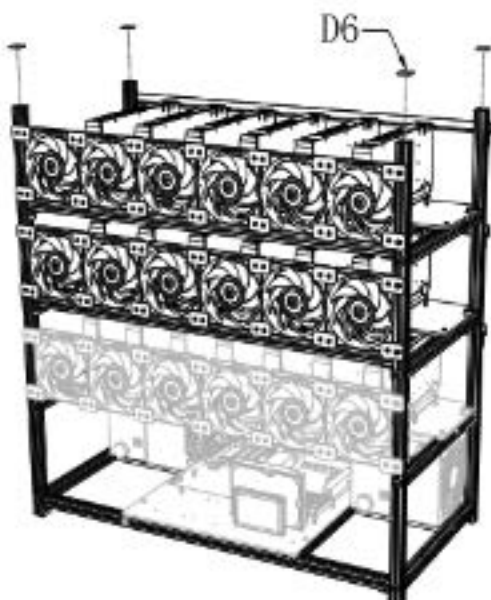
1. Let Q7 screw go through the P3 plate, fasten Q6 nut (don't tighten, because it needs to insert the aluminum bar)
2. Insert the nut into the aluminum bar and adjust the position, tighten the Q7 screw.

⑪



- 图1
1. As picture 1: let 2 pcs of Q6 screw insert into the 2 pcs of D2 aluminum bar.
  2. Use Q13 screw to fasten 2 pcs of D2 aluminum bar and 1 pc of D4 aluminum bar onto the frame.
- 图2
3. As picture 2: use D7 L-shape fitting corner, Q5 screw and Q6 nut to fasten the D4 aluminum bar onto the front of the frame.


⑫




1. Repeat the step 7 to step 11 to install another 12 pcs of fans and aluminum bar.
2. When finish, install the D6 Square Aluminum Rod End Cap.
3. Finish

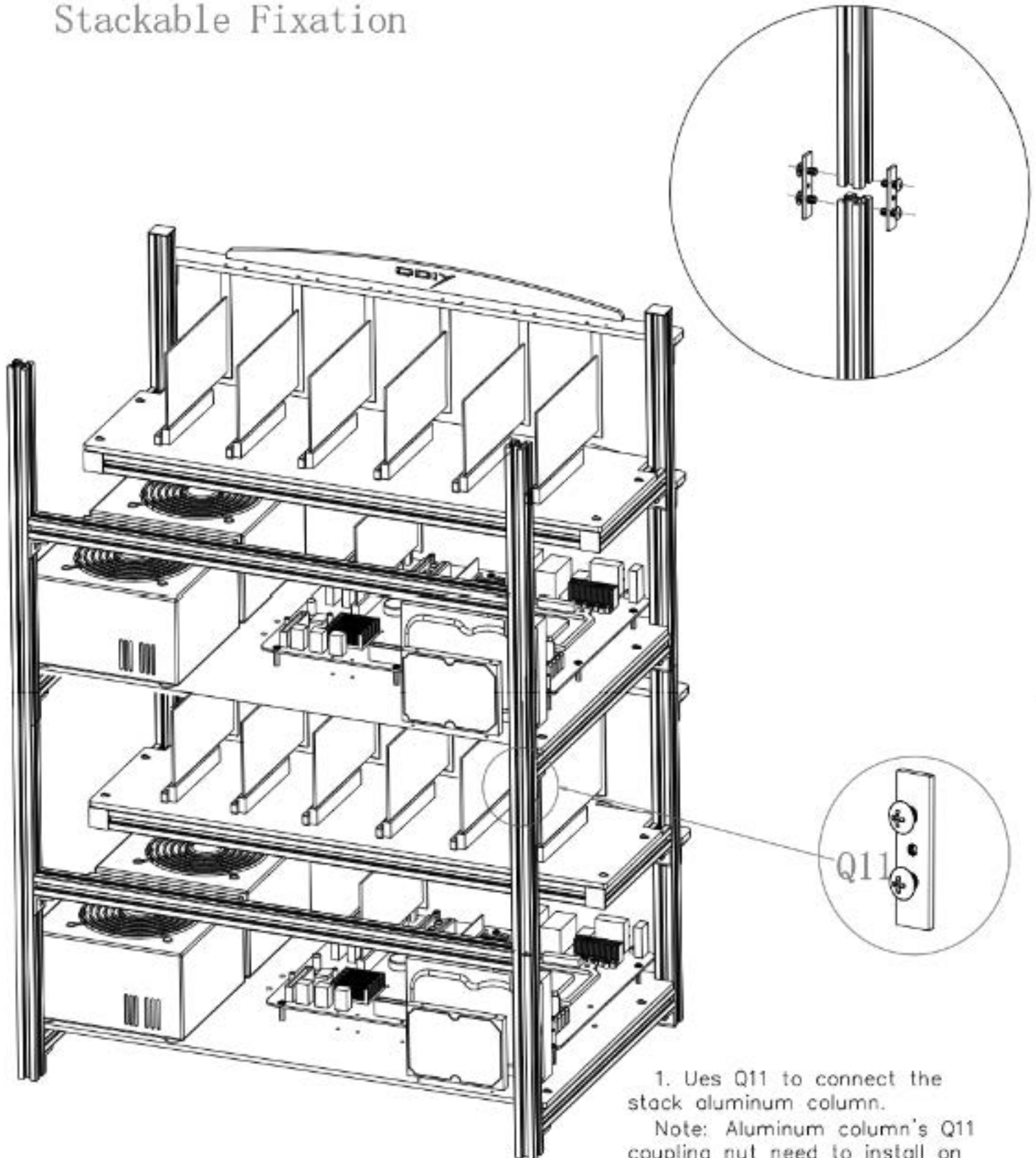


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Qdiy 12  aluminum column connect screw

Qdiy 11  aluminum column connect nut

### Stackable Fixation



1. Use Q11 to connect the stack aluminum column.

Note: Aluminum column's Q11 coupling nut need to install on columns both sides which need to overlay, tightening the screws.