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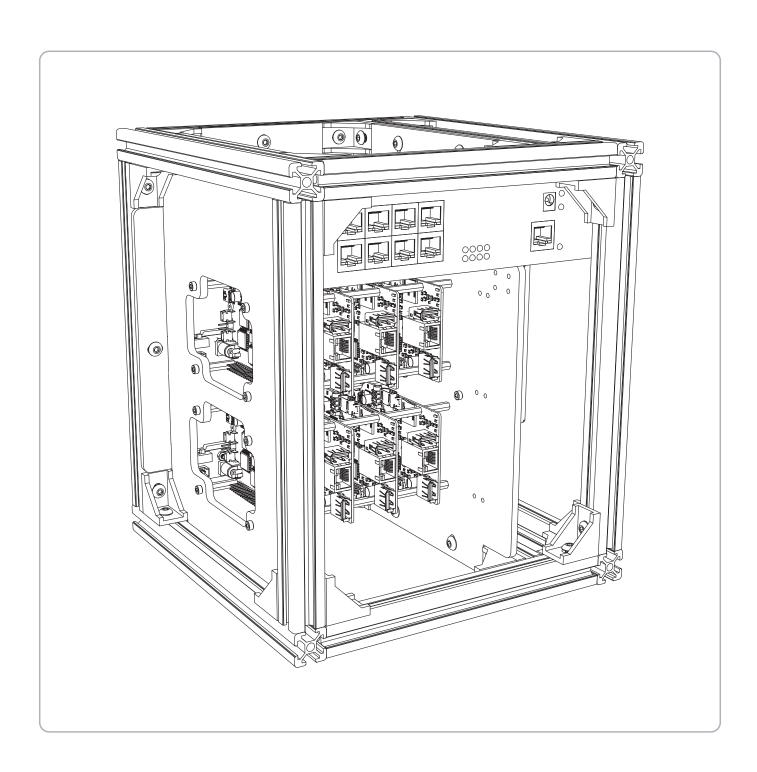
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SKYWIRE MINER





02

ASSEMBLY MANUAL

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Introduction

Skywire Miner is groundbreaking technology that redirects the control of large Internet service providers (ISPs) and helps individuals leverage that power. The Skywire Miner peer-to-peer model promotes net neutrality and content sharing, without imposing any blocking, performance decrease, or censorship. Skywire Miner is built with an open- access network than ensures privacy and encourages free speech. Our mission in creating Skywire is to shape the future of the Internet for the better.

Our revolutionary networking protocol is already changing the Internet as we know it. The protocol is based on Multi-Protocol Label Switching (MPLS), which includes benefits of higher performance, better quality of service, more reliability, and greater security. Skywire Miner goes well beyond these standards to deliver an even faster network that is optimized for high performance and maximum privacy. A user can bypass the ISPs and maintain control of their Internet access experience — effectively operating as an independent ISP.

Warranty

Thank you for your interest and trust in the Skywire Miner.

In using the product, you are obliged to install and operate the Skywire Miner according to the safety instructions, warnings, specification sheet, and assembly manual — as well as common sense. Otherwise, the Skycoin team won't be responsible for any property losses or personal injuries caused by failure to understand the proper use of the product.

Since this is the first version of the Skywire Miner — built especially for early-adopter customers — you may face an unexpected situation. We appreciate your patience in dealing with such scenarios. The Skycoin team stands ready to help, and remains willing to offer the most appropriate solution to address any product defect. This includes a warranty that covers, as necessary, free repair, replacement of parts*, or replacement of the entire product.

Warranty terms: This manufacturer warranty covers any defects in material or workmanship that may occur under normal use within a period of one (1) year from the purchase date. When you discover any defects with the Skywire Miner, stop all operation and contact the Skycoin team immediately to obtain warranty coverage. You may reach the Skycoin team here at: https://store.skycoin.net/pages/support

Exclusions: There is absolutely no coverage for accidents, fire, or water damage, acts of nature or external forces, or damage caused by repairs, unauthorized upgrade attempts, or removal of components. This warranty does not cover cosmetic damage. This warranty does not apply to products that have been lost, altered, broken or damaged by misuse or



failure to follow instructions provided with the product. Also, there is no warranty against normal wear.

Remedy terms: At its discretion, Skycoin will make remedy through replacement or repair of defects—in either materials and or workmanship. Return shipping costs are the responsibility of the original purchaser.

Warranty period: All warranty claims must be reported to the manufacturer during the one year warranty period from the date of purchase to be eligible for coverage.

Safety

It's important that you assemble and operate this product and all components in strict accordance with the instructions in this manual.

Handling circuit boards — Exercise extreme caution while handling printed circuit boards (PCBs) to avoid mechanical or electrical damage. Only handle the PCBs by the edges, to minimize the risk of electrostatic discharge damage.

Proper voltage — Before connecting the power cord, ensure that you switch to the correct input range on the power supply unit that corresponds to the voltage that your electrical outlet provides.

Firm connections — Before powering up the Skywire Miner, ensure that all connections are secure for all components, and confirm that there are no loose screws or loose components anywhere within the Skywire Miner unit. Do not connect any devices to the Skywire Miner that are not included in this package.

Precautions — take time to consider situations that may be dangerous or cause damage:

- During operation, do not expose Skywire Miner to water or moisture.
- Do not expose Skywire Miner to heat from any source. This appliance is designed for reliable operation at normal ambient room temperatures.
- Do not tug in the middle of the power supply cable to unplug the unit. Unplug the Skywire Miner from the end of the cable, where the plug inserts into the socket.
- Place Skywire Miner where the power cord has adequate slack to safely connect the Skywire Miner to the power supply socket.
- Place the power cord in such a way that people cannot step on it. Do not place anything over the power cord.



If any of the following situations occur, stop using the Skywire Miner immediately and contact support to make arrangements to check your unit:

- Liquid has penetrated into the Skywire Miner.
- The Skywire Miner has been exposed to moisture or heat.
- The Skywire Miner does not work well, or it does not function according to the content in the user guide.
- The Skywire Miner has been dropped and damaged.
- The Skywire Miner has obvious breakage.

Warning!

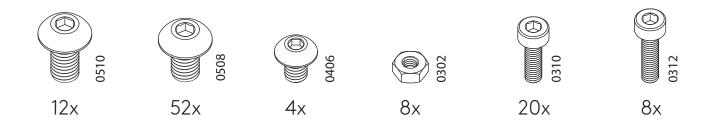
- Always unplug the power cord from the power outlet before installing any component into this appliance or removing anything from this appliance.
- When the power is on, do not contact any conductive objects with any Skywire Miner components.
- Do not touch the Skywire Miner with any wet part of your body, and do not operate the Skywire Miner while barefoot.
- The Skywire Miner is not intended for use by children. Nor is it intended for use by persons that exhibit any physical, sensory, or mental impairment, or persons lacking experience and knowledge of the Skywire Miner—unless supervised or previously instructed in its use by those responsible for their safety.

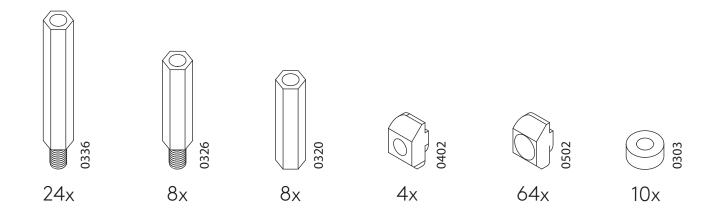


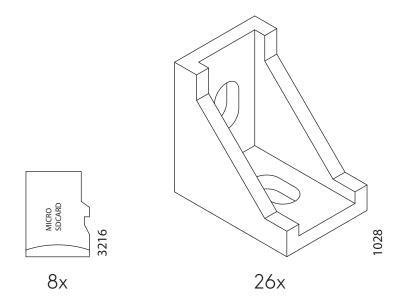
Specification Sheet of Skywire Miner								
Build 2.0								
Physical								
Net Weight	4 kg (9 lbs)							
Chassis Demensions (LxWxH)	235x235x275 mm (9.5x9.5x11 inch)							
Shipping Weight	4.5kg (10 lbs)							
Shipping Dimensions (LxWxH)	320x320x190 mm (12.5x12.5x7.5 inch)							
Structure Materials	Aluminum Alloy & Acrylic							
Computing Unit Quantity	8							
Computing								
CPU Model	ARM Cortex™-A53							
Computing Core Quantity	32							
GPU Model	Hexa-core Mali450							
RAM (Shared with G-RAM)	16GB (32 x 512MB DDR3)							
Storage	8 x 16GB Class-10 A1 Micro SD							
Network								
LAN Bandwidth	8 x 100Mbps							
LAN Ethernet Cable Type	CAT-6							
Electrical								
AC Input Voltage	85~132V / 170~264V							
AC Input Frequency	47~63Hz							
Max Input Current	2.4A @115V AC / 1.2A @ 230V AC							
Max Inrush Current	30A @115V AC / 60A @230V AC							
Fuse Current	3A							
Backup Fuse	Included							
Input Plug Type	IEC 60320 C14							
Power Cord Standard	GB/T 5023.3-2008							
Dower Connector Type	NEMA 5-15 or							
Power Connector Type	GB1002-2008 1-Phase 2-Pole Earthed							
Environmental								
Working Temperature	-10°C~40°C (14°F~104°F)							
Working Humidity	20%~90% RH							
Storage Temperature	-20°C~60°C (-4°F~140°F)							
Storage Humidity	10%~95% RH							



SCREWS & PARTS







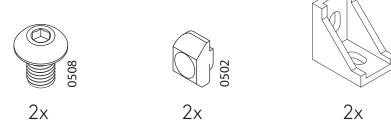


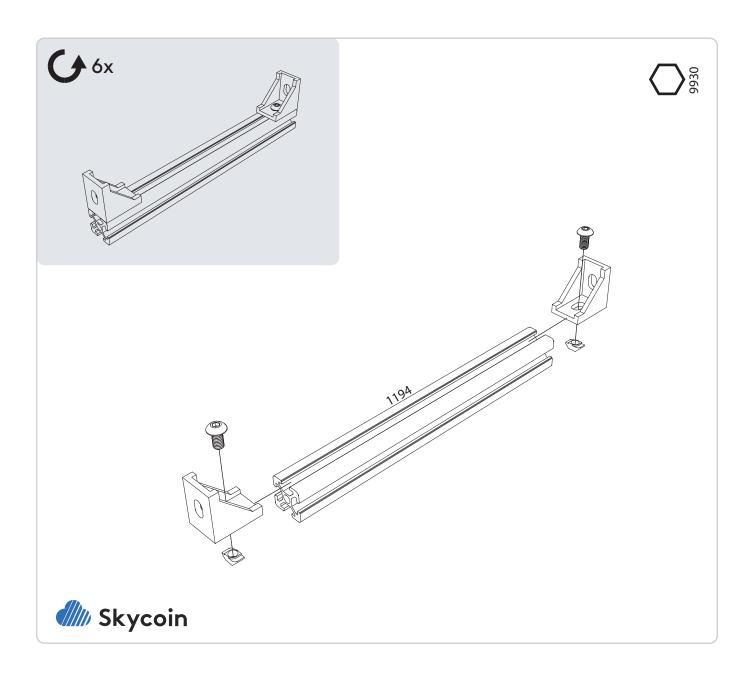
1194 Shorter Aluminum Profile

0508 M5x8mm Hex Screw

0502 M5 T-Nut

1028 Corner Bracket

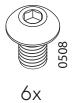




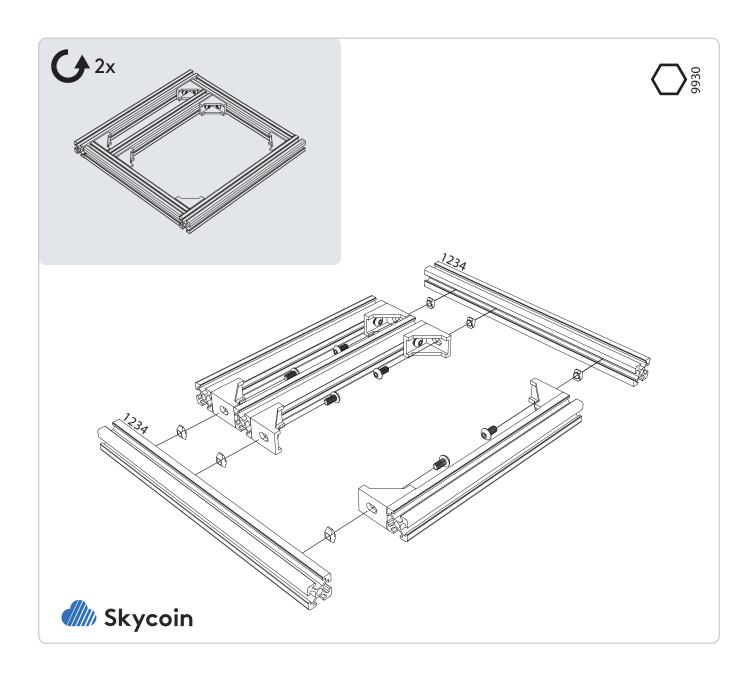
1234 Longer Aluminum Profile

0508 M5x8mm Hex Screw

0502 M5 T-Nut







1234 Longer Aluminum Profile

0508 M5x8mm Hex Screw

0502 M5 T-Nut

1028 Corner Bracket



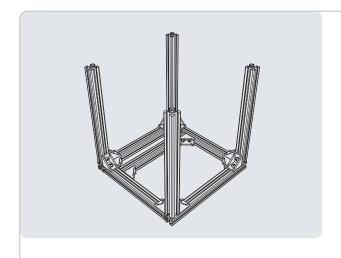
16x

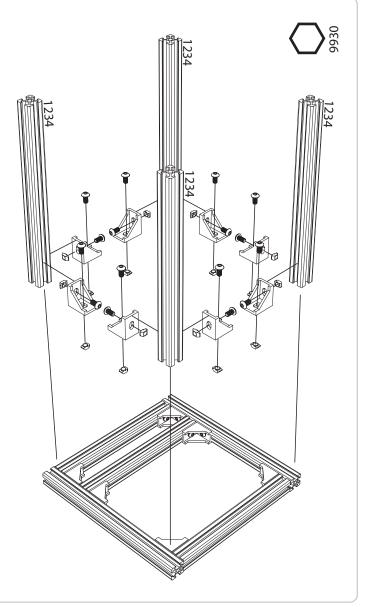


16x



8x





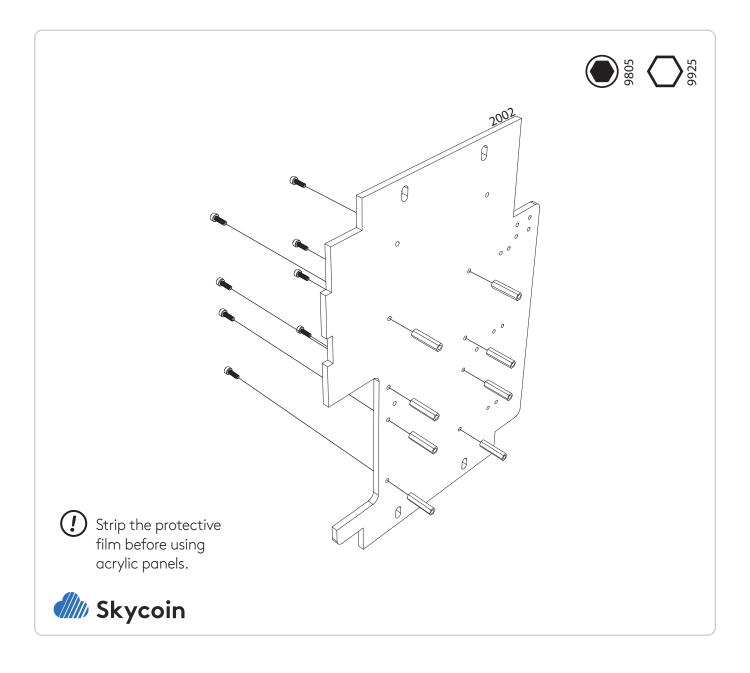


2002 Acrylic Inner Panel

0310 M3x10mm Hex Screw

0320 20mm F-F Spacer



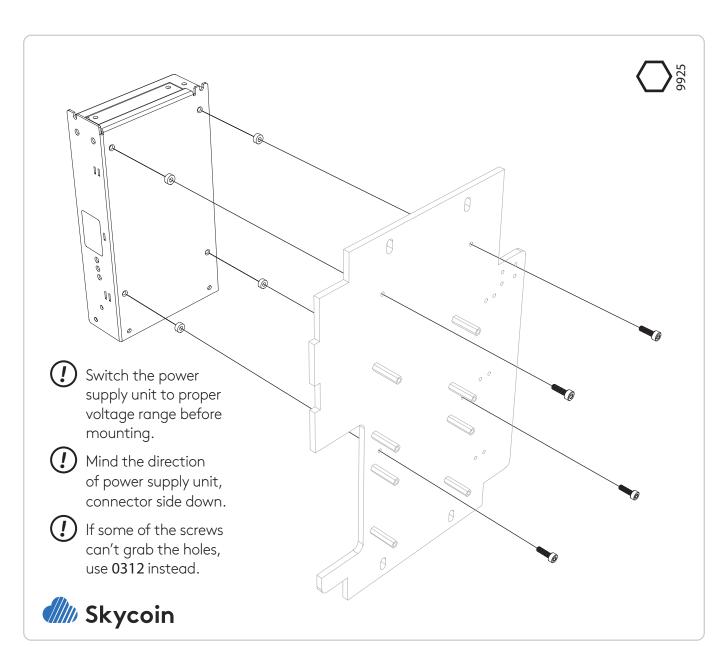


5011 Power Supply Unit

0310 M3x10mm Hex Screw

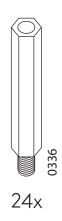
0303 M3 Nylon Spacer

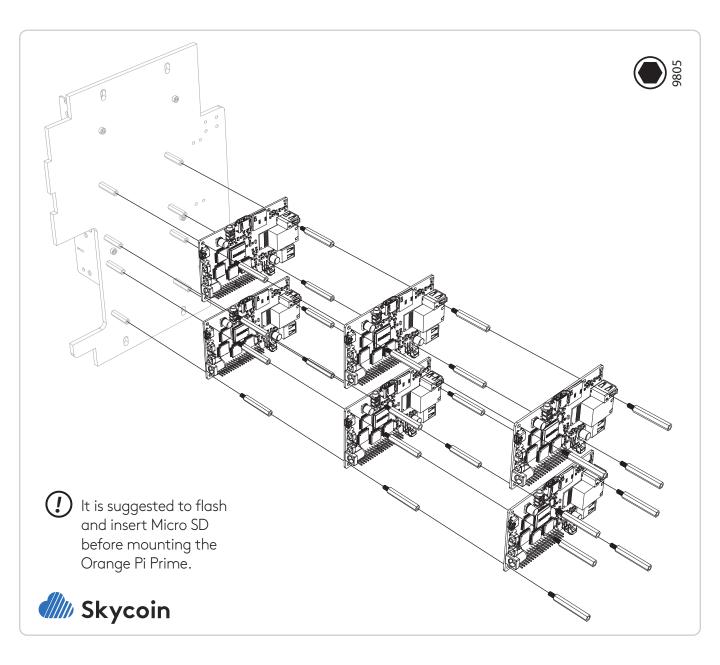




4100 Orange Pi Prime

0336 30mm F-M Spacer



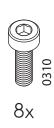


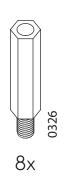
2003 Acrylic Outer Panel

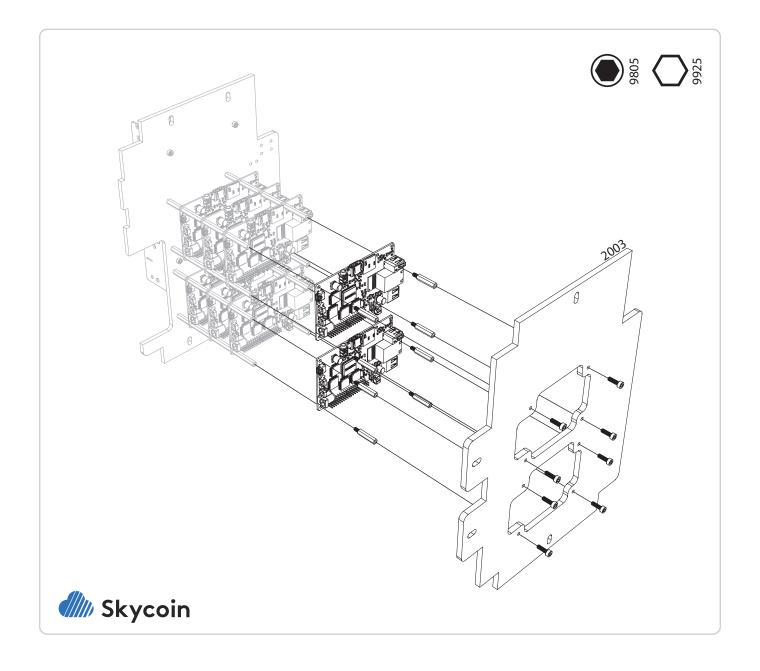
4100 Orange Pi Prime

0310 M3x10mm Hex Screw

0326 20mm F-M Spacer







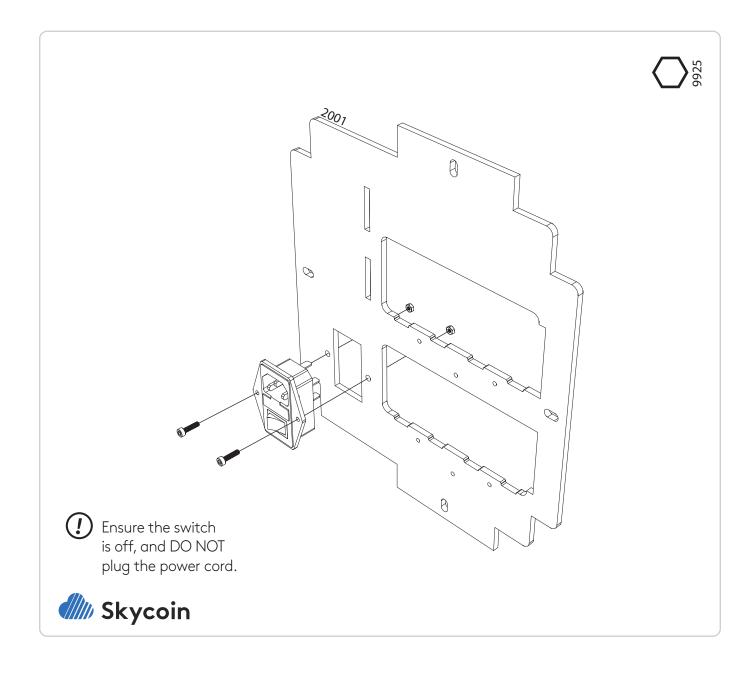
2001 Acrylic Back Panel

5001 Power Socket

0312 M3x12mm Hex Screw

0302 M3 Nut





5020 Power Distribution Board

0312 M3x12mm Hex Screw

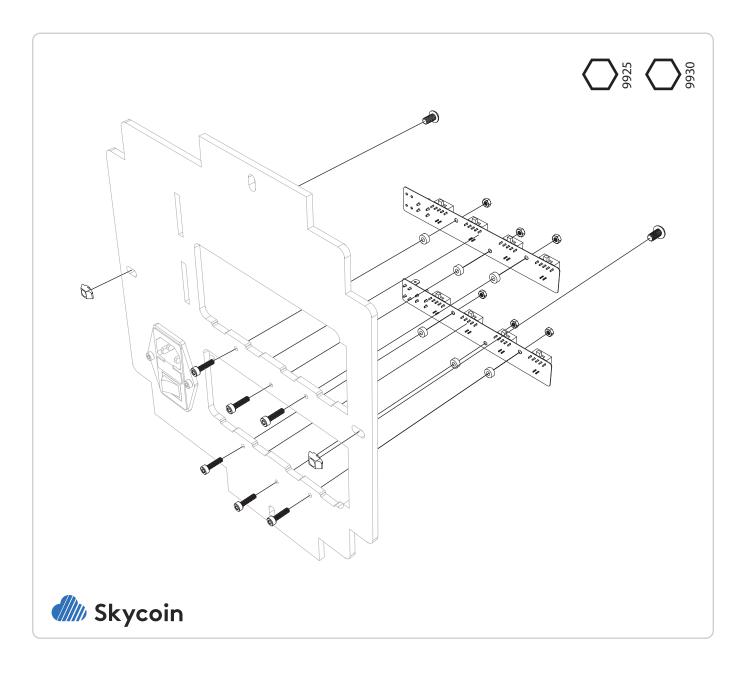
0510 M5x10mm Hex Screw

0303 M3 Nylon Spacer

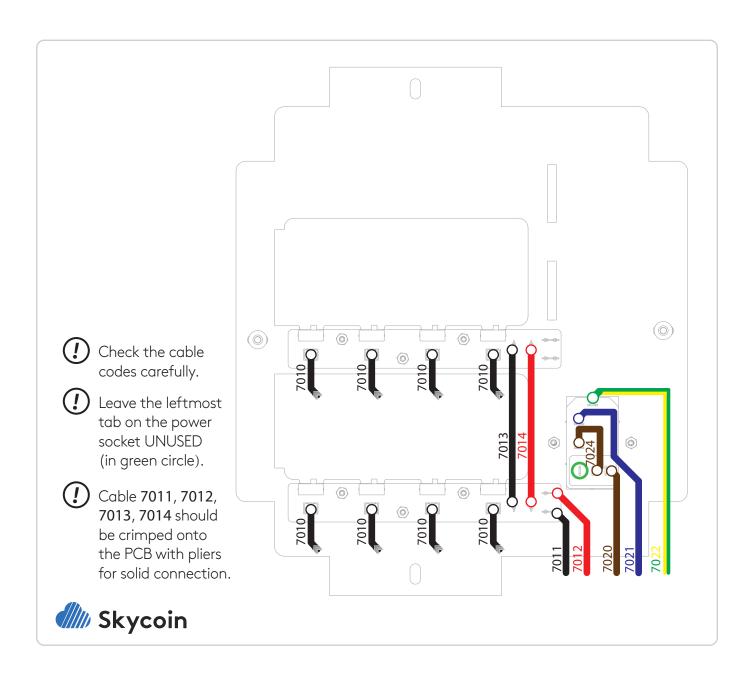
0302 M3 Nut

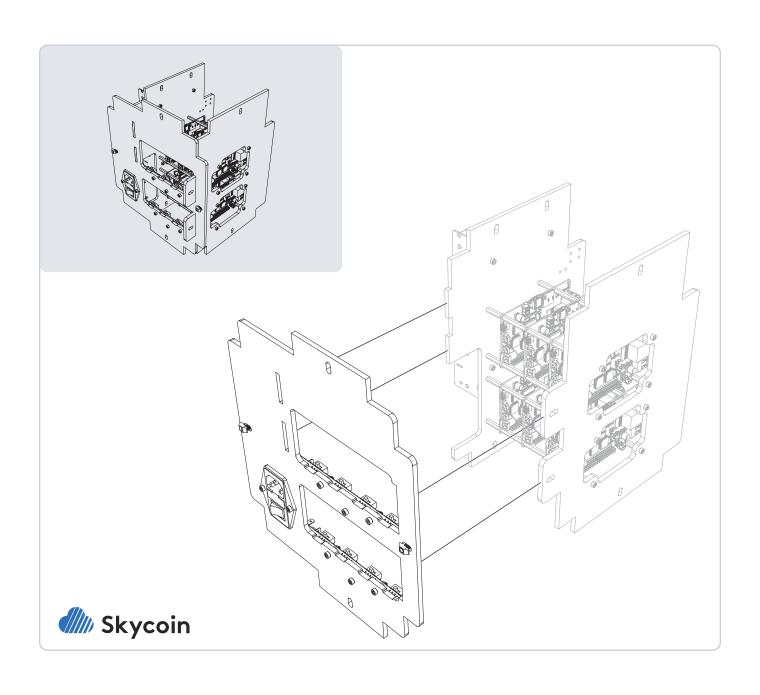
0502 M5 T-Nut





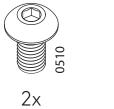
7010	DC Cable			7020	AC Cable
7011	DC Cable	•		7021	AC Cable
7012	DC Cable		_	7022	Earthing Cable
7013	DC Cable	•		7024	AC Cable
7014	DC Cable				

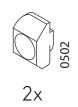


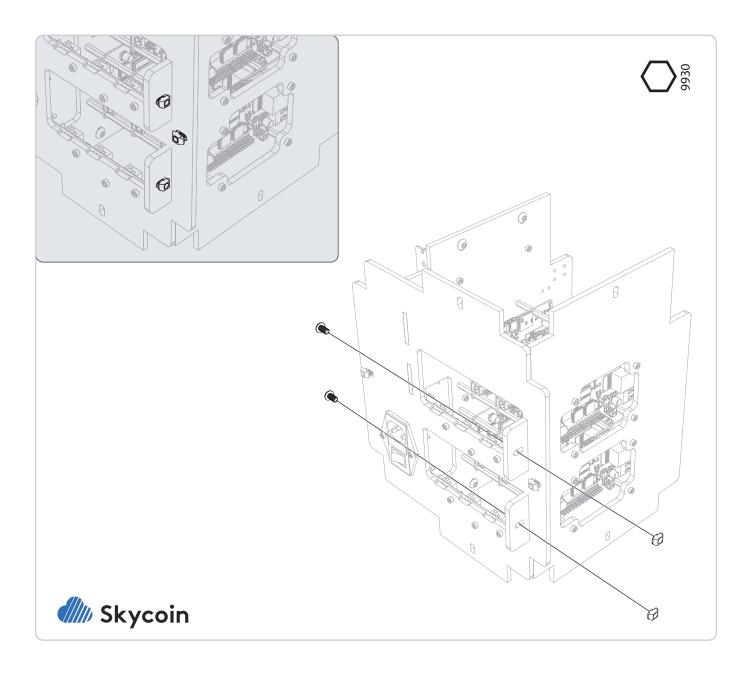


0510 M5x10mm Hex Screw

0502 M5 T-Nut



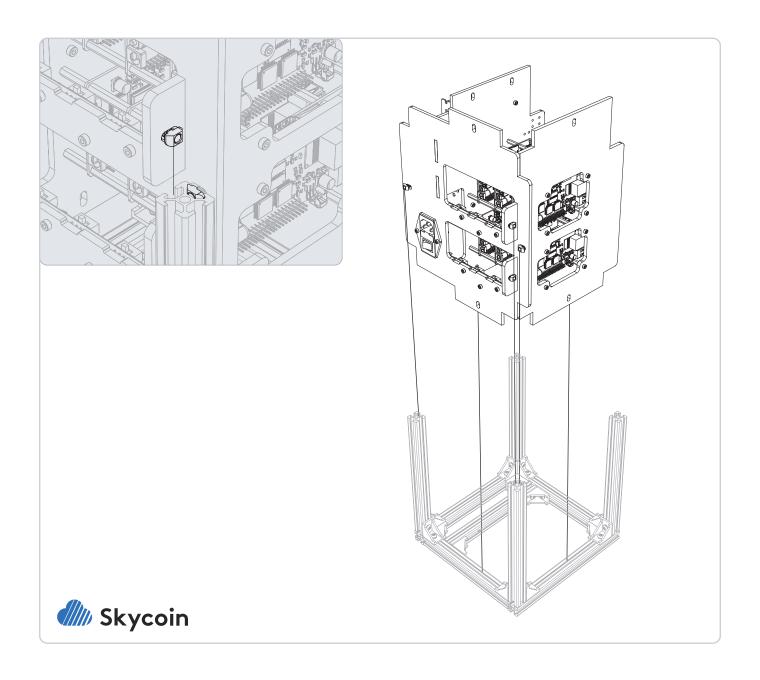




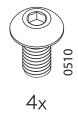
0502 M5 T-Nut

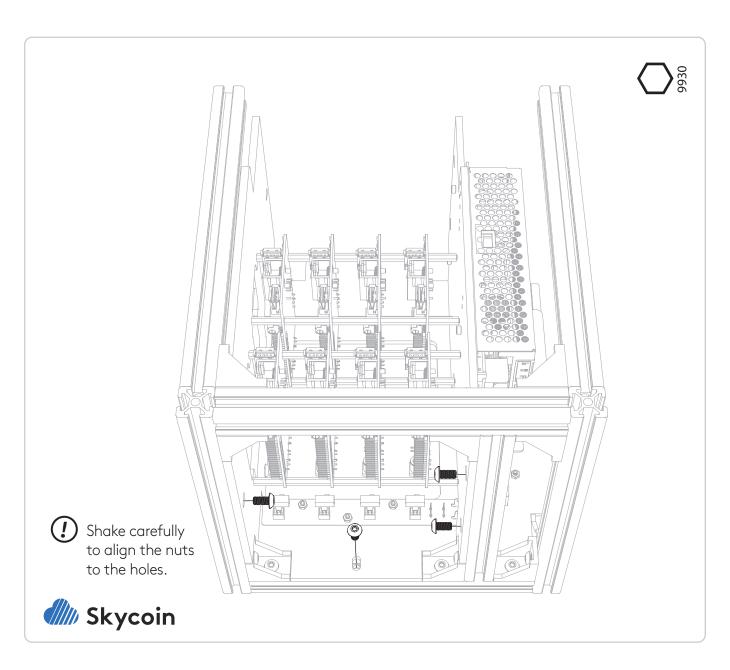






0510 M5x10mm Hex Screw



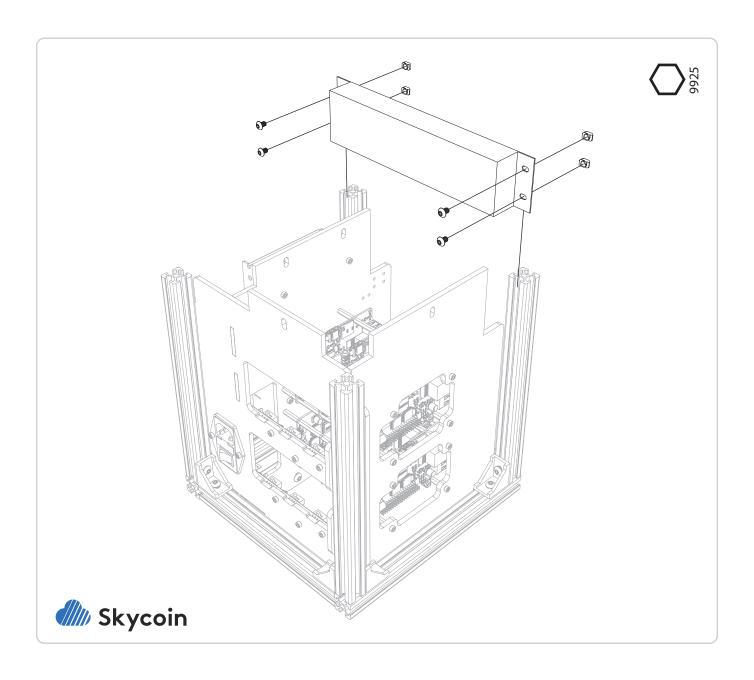


3000 Router

0406 M4x6mm Hex Screw

0402 M4 T-Nut

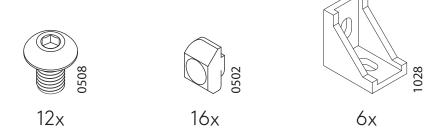


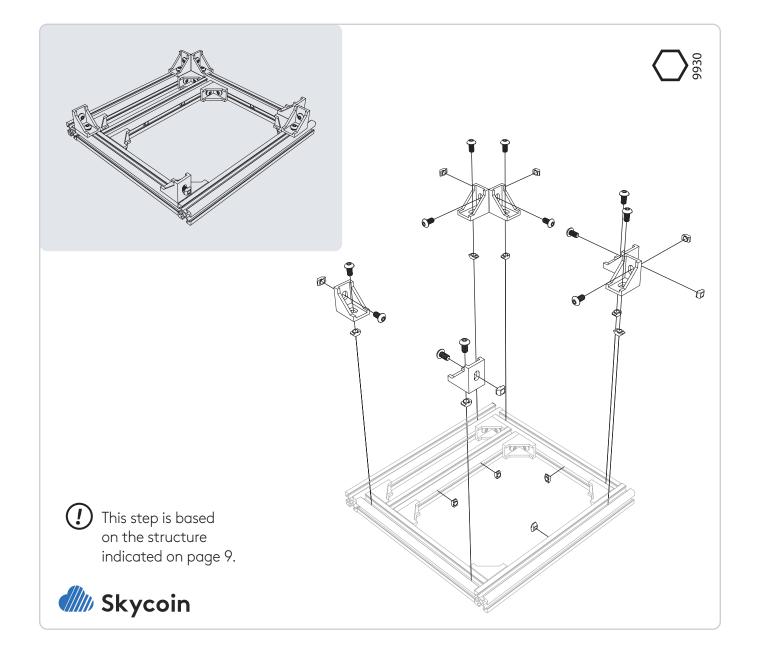


0508 M5x8mm Hex Screw

0502 M5 T-Nut

1028 Corner Bracket

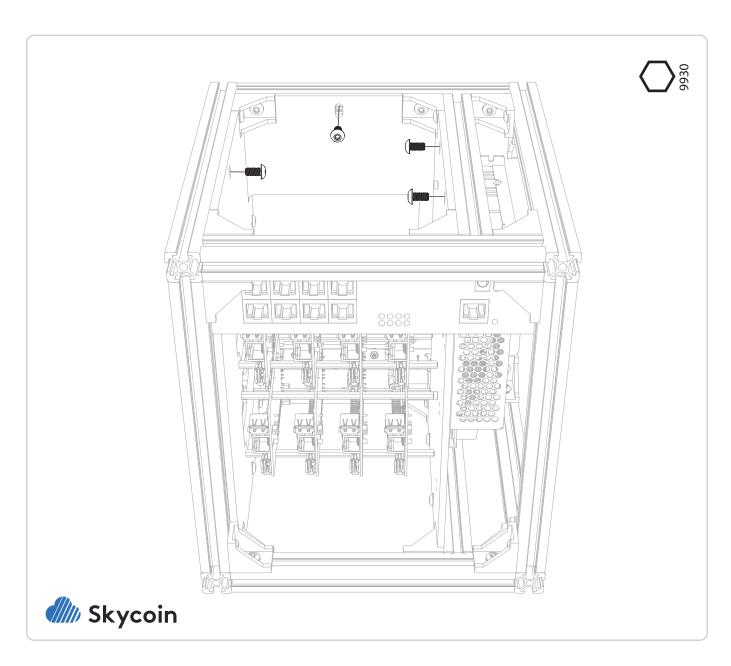




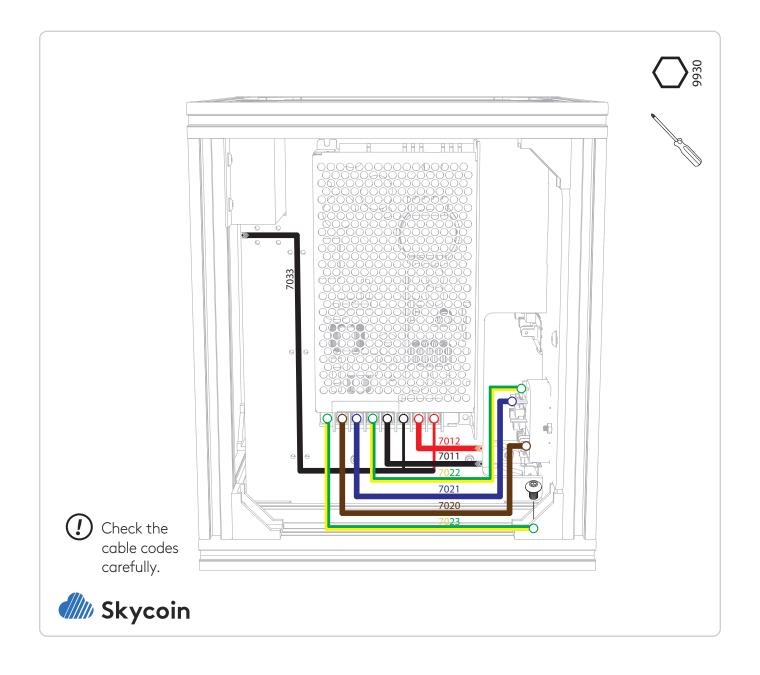


0510 M5x10mm Hex Screw





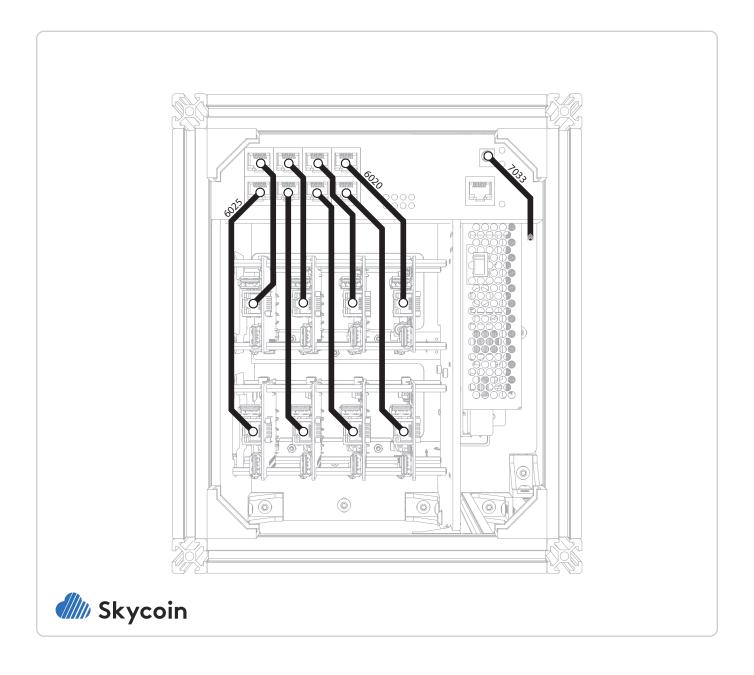
7011 DC Cable
7012 Earthing Cable
7012 DC Cable
7020 AC Cable
7021 AC Cable



6020 Ethernet Cable

6025 Ethernet Cable

7033 DC Cable



7010 DC Cable

