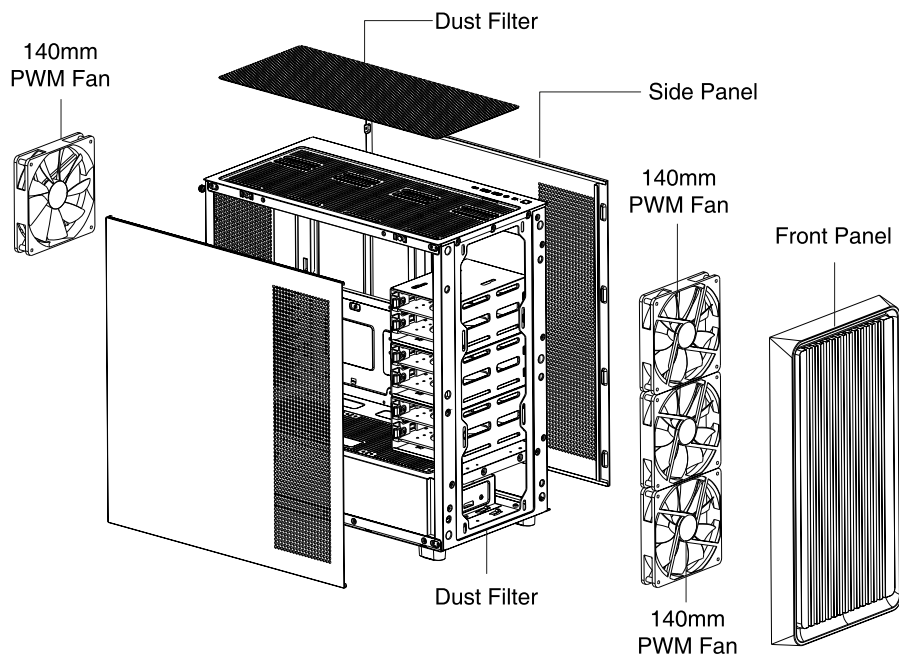
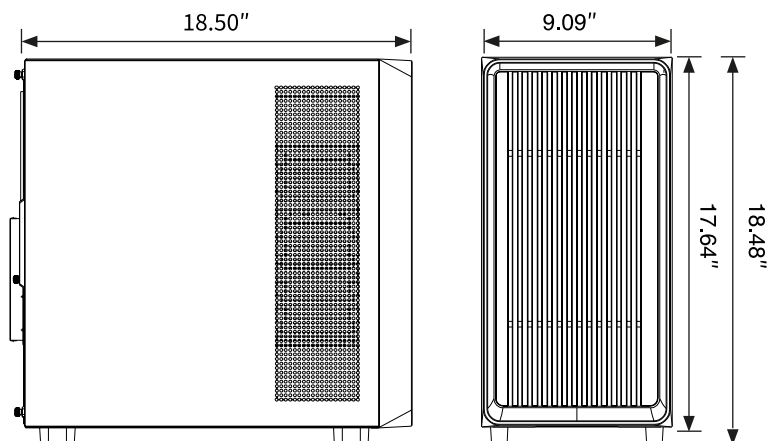


PRODUCT OVERVIEW

Product Diagram



Dimensions: 9.09 x 18.48 x 18.50 inch (W x H x D)



Accessory Kit

x11



Screw-A (6-32 x 6 mm)

PSU/VGA

x46



Screw-B (M3 x 5 mm)

Motherboard
2.5" SSD

x35



Screw-C (6-32 x 5 mm)

3.5" HDD

x9



Pre-installed
+3

Standoff

Motherboard

x1



Nud

x5



Cable Tie

Cable
Management

INSTALLATION GUIDE

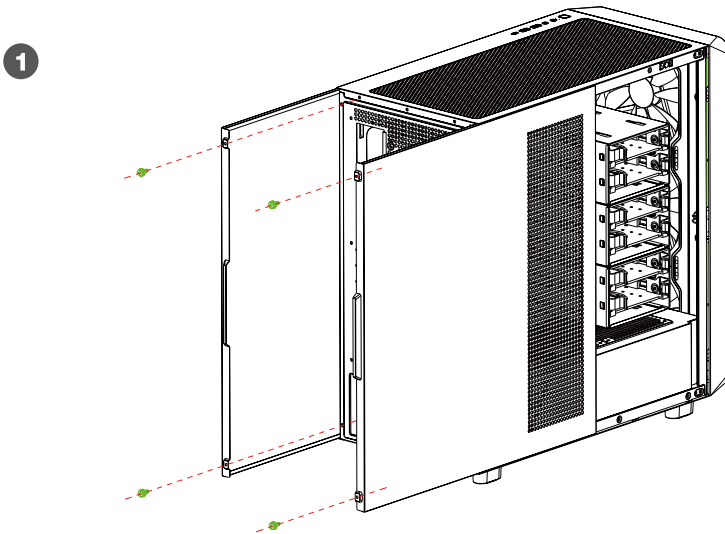
Please remove all packaging materials before proceeding to disassembly/assembly.

1. Removing Left and Right Side Panels

Tools Required: None (tool-less design) or Phillips screwdriver.

Procedure:

1. Power off the system and disconnect all cables.
2. Locate the thumb screw of each side panel.
3. If thumb screws are used, loosen them by hand, or use a Phillips screwdriver.
4. Grip the recessed handle or edge of the side panel and slide it toward the rear of the chassis to remove it.
5. Repeat for the opposite side panel.



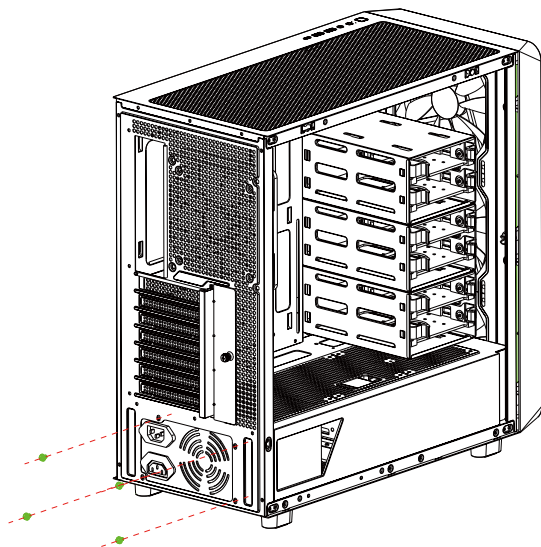
2. Installing the Power Supply Unit (PSU)

Tools Required: Phillips screwdriver.

Procedure:

1. Determine the PSU mounting location.
2. Orient the PSU so its fan faces the chassis ventilation (downward or outward).
3. Slide the PSU into the bay from the rear or interior of the chassis until its mounting flange is flush with the chassis rear panel.
4. Secure the PSU using four screws (included in the Accessory Kit).
5. Route the power cables through the designated cable management holes before connecting components.

2



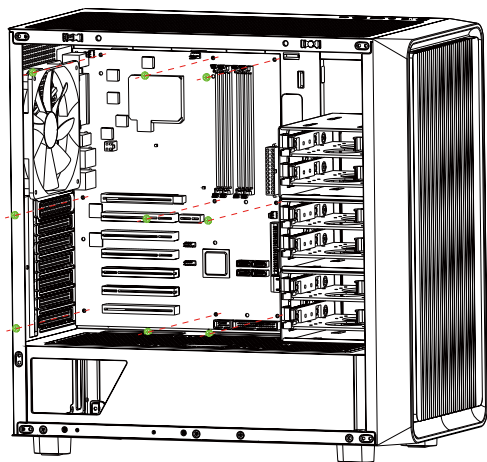
3. Securing the Motherboard

Tools Required: Phillips screwdriver.

Procedure:

1. Lay the chassis on its side with the motherboard tray facing up.
2. Verify that the pre-installed standoffs match the mounting holes of your motherboard (ATX, micro-ATX, Mini-ITX, etc.). Add or remove standoffs as needed using a standoff tool or pliers.
3. Install the rear I/O shield that came with your motherboard into the chassis cutout.
4. Carefully lower the motherboard onto the standoffs, aligning the I/O ports with the shield and the screw holes with the standoffs.
5. Secure the motherboard using the appropriate screws (M3 type, included). Do not overtighten.

3



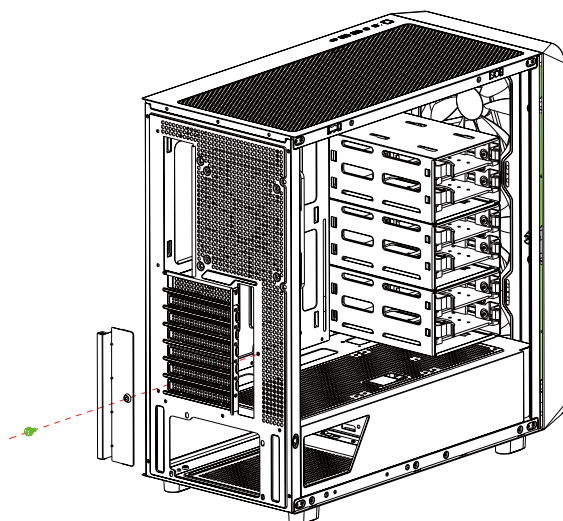
4. Removing PCIe Slot Covers

Tools Required: Phillips screwdriver.

Procedure:

1. On the rear of the chassis, locate the PCIe expansion slot covers.
2. Determine which slots will be used by your graphics card or other expansion cards.
3. Remove the corresponding slot cover(s) by unscrewing the retaining screw (or pressing the tool-less latch). Some covers may snap off – remove them carefully.
4. Keep the removed covers for future use if you decide to remove the card.

Note: Removing covers improves airflow, but unused openings should be covered with blanking plates to prevent dust ingress.



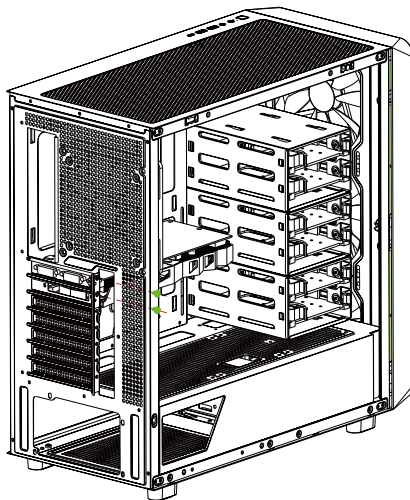
5. Installing a Single Graphics Card

Tools Required: Phillips screwdriver.

Procedure:

1. Ensure the motherboard is already installed (see Page 6).
2. Identify the primary PCIe x16 slot (usually the topmost one closest to the CPU).
3. Remove the corresponding PCIe slot cover(s) from the chassis rear (see Page 7). Most graphics cards require two slots.
4. Align the graphics card's gold-plated edge connector with the PCIe slot and its metal bracket with the gap between the chassis and motherboard.
5. Press down evenly and firmly until the card's latch clicks (if present) and the card is fully seated.
6. Secure the card's bracket to the chassis using the screw(s) removed earlier or new screws from the Accessory Kit.
7. Connect the necessary PCIe power cables from the PSU to the graphics card.

5



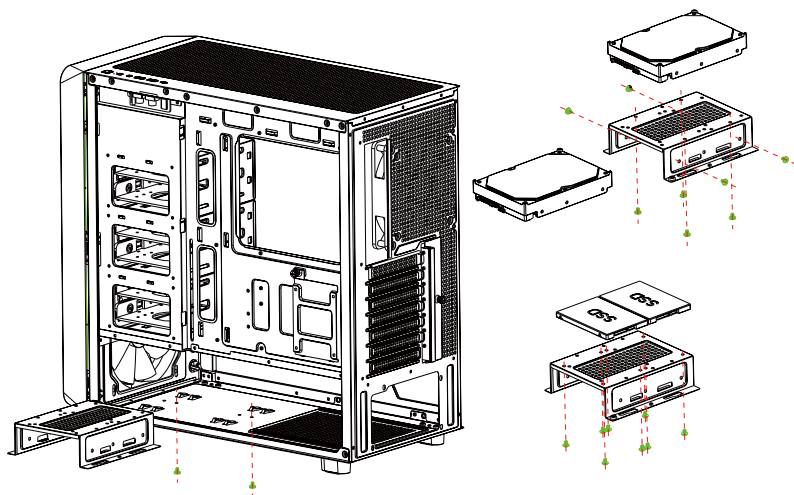
6. Removing Bottom Dust Filter, Then HDD Bracket Screws

Tools Required: None for filter; Phillips screwdriver for HDD bracket.

Procedure:

1. Remove Bottom Dust Filter: Locate the removable dust filter on the underside of the chassis. Slide or pull it out toward the front or rear. This filter catches dust before it enters the PSU and bottom fans.
2. Access HDD Bracket: With the filter removed, you can see the screws securing the HDD bracket.
3. Remove HDD Bracket Screws: Using a Phillips screwdriver, remove the screws holding the HDD bracket to the chassis frame. The bracket can then be slid out or lifted away.
4. You can Install the 2 x HDD or 2 x SSD on the bracket.

6



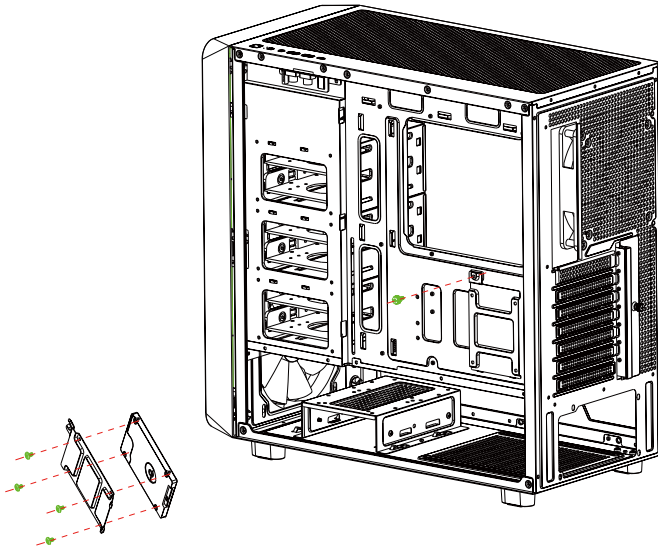
7. Installing SSD Bracket

Tools Required: Phillips screwdriver.

Procedure:

1. The Helium NAS DUO includes a metal (iron) SSD mounting bracket.
2. Locate the designated SSD mounting positions
3. Take it out and attach your SSD(s) using the M3 screws from the Accessory Kit.
4. Reinstall the bracket into its mounting position and secure it with screws.
5. Connect SATA data and power cables to each SSD.

7

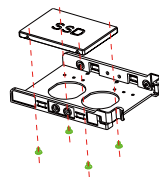
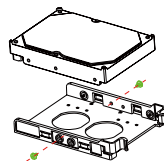
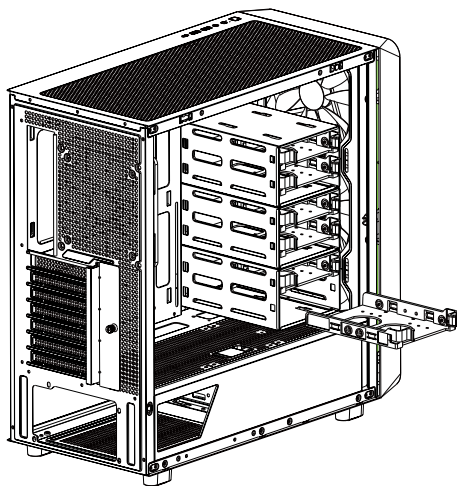


8. Installing the HDD

Installation Procedure (refer to diagrams):

1. Remove a tray: Grip the handle or press the release latch of an empty tray, then pull it straight out.
2. Install a 3.5" HDD: Place the HDD into the tray, aligning its side mounting holes with the tray's posts or holes. Snap the drive in or secure it using the provided screws.
3. Install a 2.5" SSD: Most trays have dedicated mounting holes for 2.5" drives. Align the SSD and secure it with M3 screws (included).
4. Reinsert the tray: Slide the populated tray back into the drive bay until it clicks into place.

8



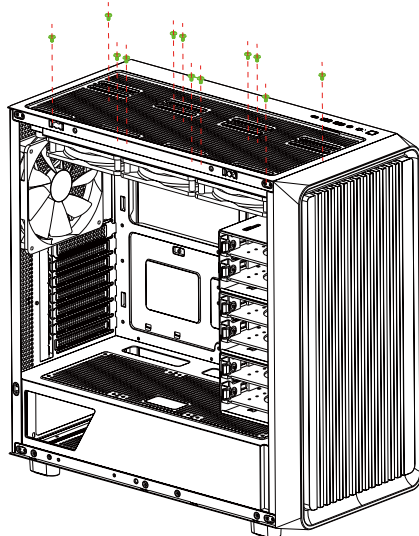
9. Installing 360mm Radiator on Top

Tools Required: Phillips screwdriver, thermal paste (if installing a new CPU cooler).

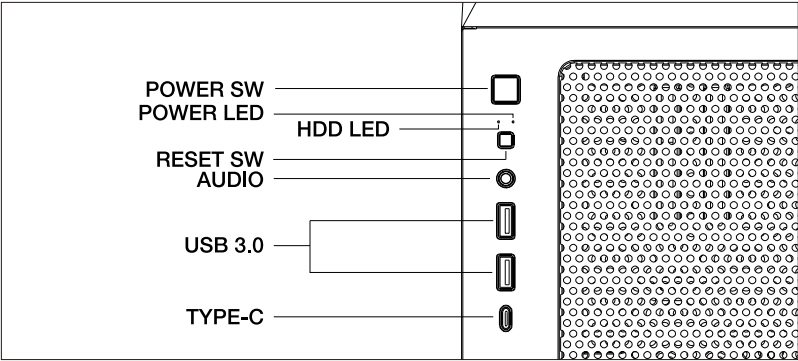
Procedure:

1. Position the 360mm radiator against the mounting points, ensuring the tubing can be routed conveniently to the CPU water block.
2. Secure the radiator using the long screws provided with your All-in-One (AIO) liquid cooler, passing through the fan (if fans are mounted to the radiator) and into the radiator's threaded holes.
3. Attach fans to the radiator (if not pre-attached) for push or pull configuration.
4. Connect the fan and pump power cables to the appropriate headers on the motherboard.

9



I/O PANEL



SPECIFICATIONS

Model	
Model Name	HELIUM NAS DUO
Specifications	
Form Factor	Midi Tower
Motherboard Compatibility	ATX ATX/Micro ATX/ITX
Color	Black
Internal 3.5" Drive Bays	1/8
Internal 2.5" Drive Bays	1/8
Expansion Slots	7
Front Ports	1x USB 3.1 Type-C / 2x USB 3.0 / Audio
Fan Options	Front: 3 x 120mm, 3 x 140mm (3 x140mm Included) Top: 3 x 120mm, 3x 140mm Rear: 1x 120mm, 1 x140mm (1 x 140mm Included)
Radiator Options	Front: 360mm / 280mm / 240mm Top: 360mm / 280mm / 240mm Rear: 120mm / 140mm
Max GPU Length	390 mm
Max CPU Cooler Height	180 mm
Max PSU Length	200 mm

