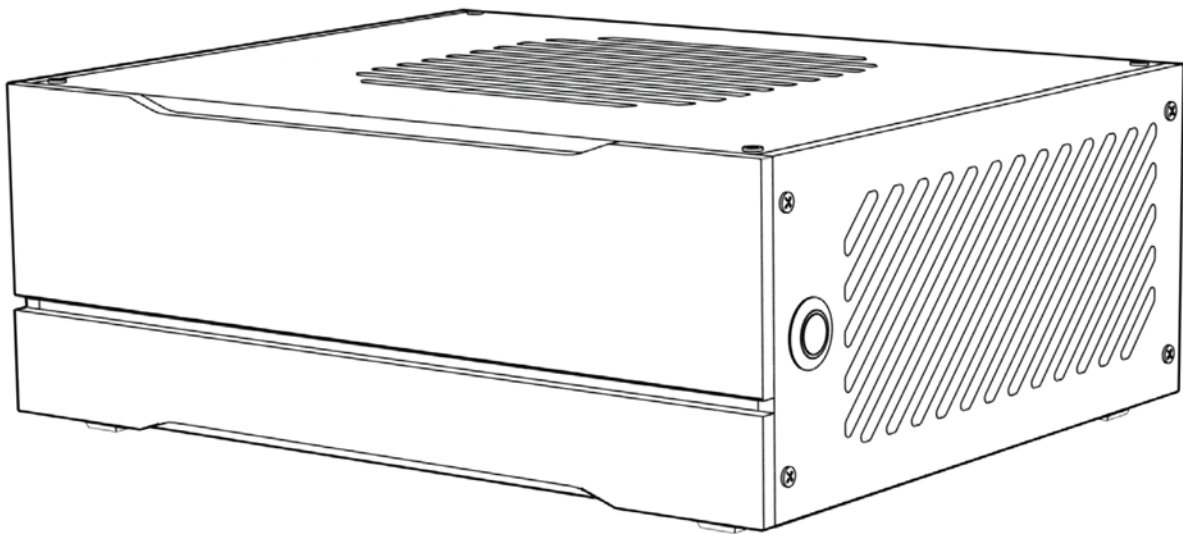




HT5 User Manual



Lazer3D HT5 Instruction Manual

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**PLEASE READ THESE INSTRUCTIONS
CAREFULLY BEFORE ASSEMBLING THE CASE**



NOTE:

Peel off protective film from BOTH sides of each panel before assembling the case.

INTRODUCTION



APUs made a big comeback in 2018 with AMD's Ryzen/Vega based AM4 chips leading the way. Powerful processing and graphics on a single chip with the latest connectivity will make them a great choice for low cost gaming PC's or advanced Home Theatre PC's.

Introducing the HT5, a compact and versatile low profile PC case focusing on high performance APU cooling. Despite being only 5 litres in volume it can accommodate a CPU cooler up to 72mm in height and up to four 80mm fans, allowing you to run a compact yet powerful system both cool and quietly.

Alternatively the HT5 can be configured with two 80mm fans and a dedicated low profile dual slot Graphics Card for increased productivity or gaming capability.

Whether you want to build yourself a game console killing HTPC, or a mini space saving Desktop PC, the HT5 is a great all round choice. With a range of finishes to choose from, complete your setup in style.

Thank you for choosing Lazer3D.

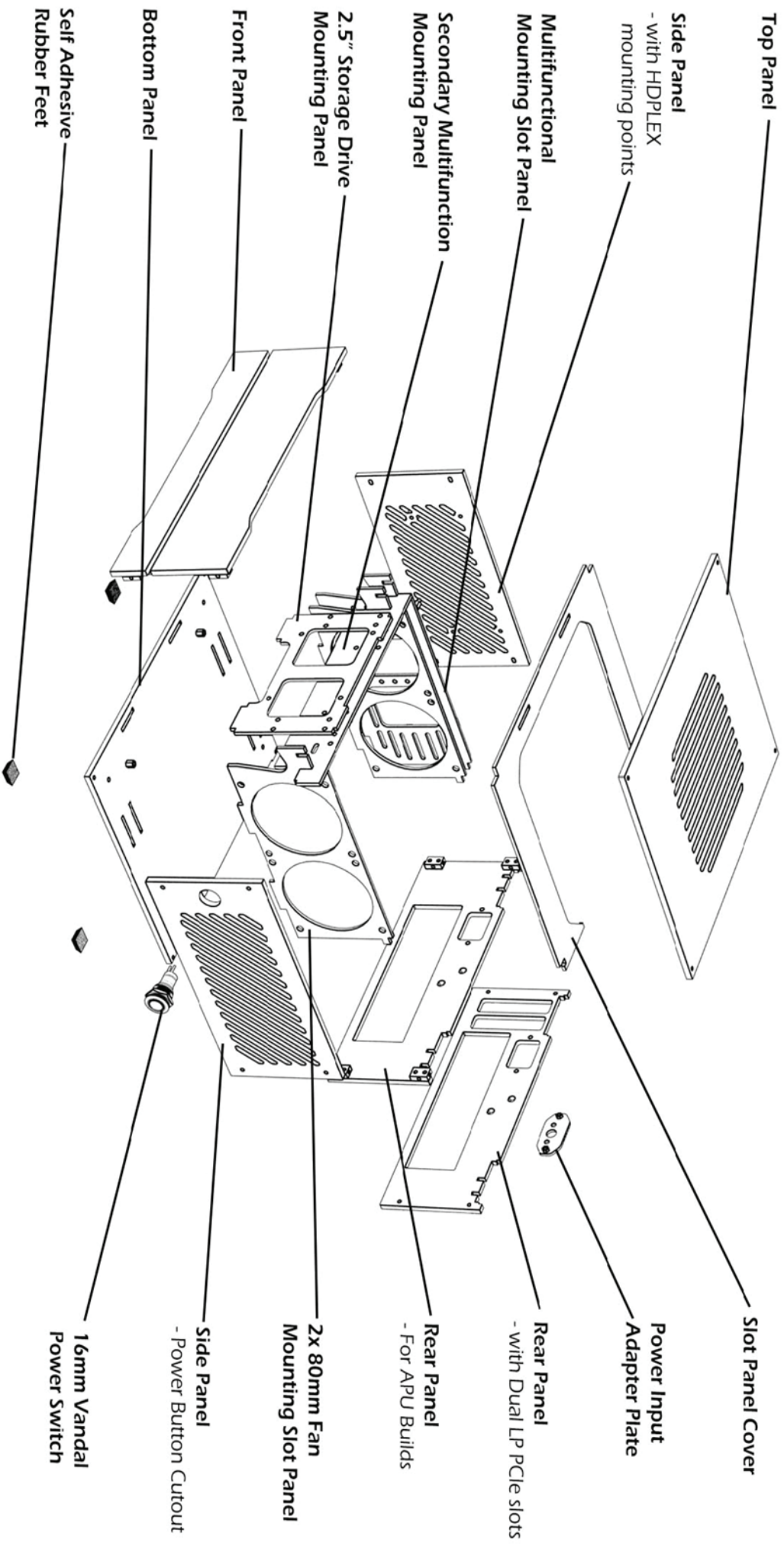
SFF COMMUNITY

If you want to get involved in the SFF (small form factor) community head over to: www.smallformfactor.net/forum The birthplace of the **HT5** and many other amazing projects, build logs and SFF news, its a great place to talk about compact tech with other like minded enthusiasts, see you there!

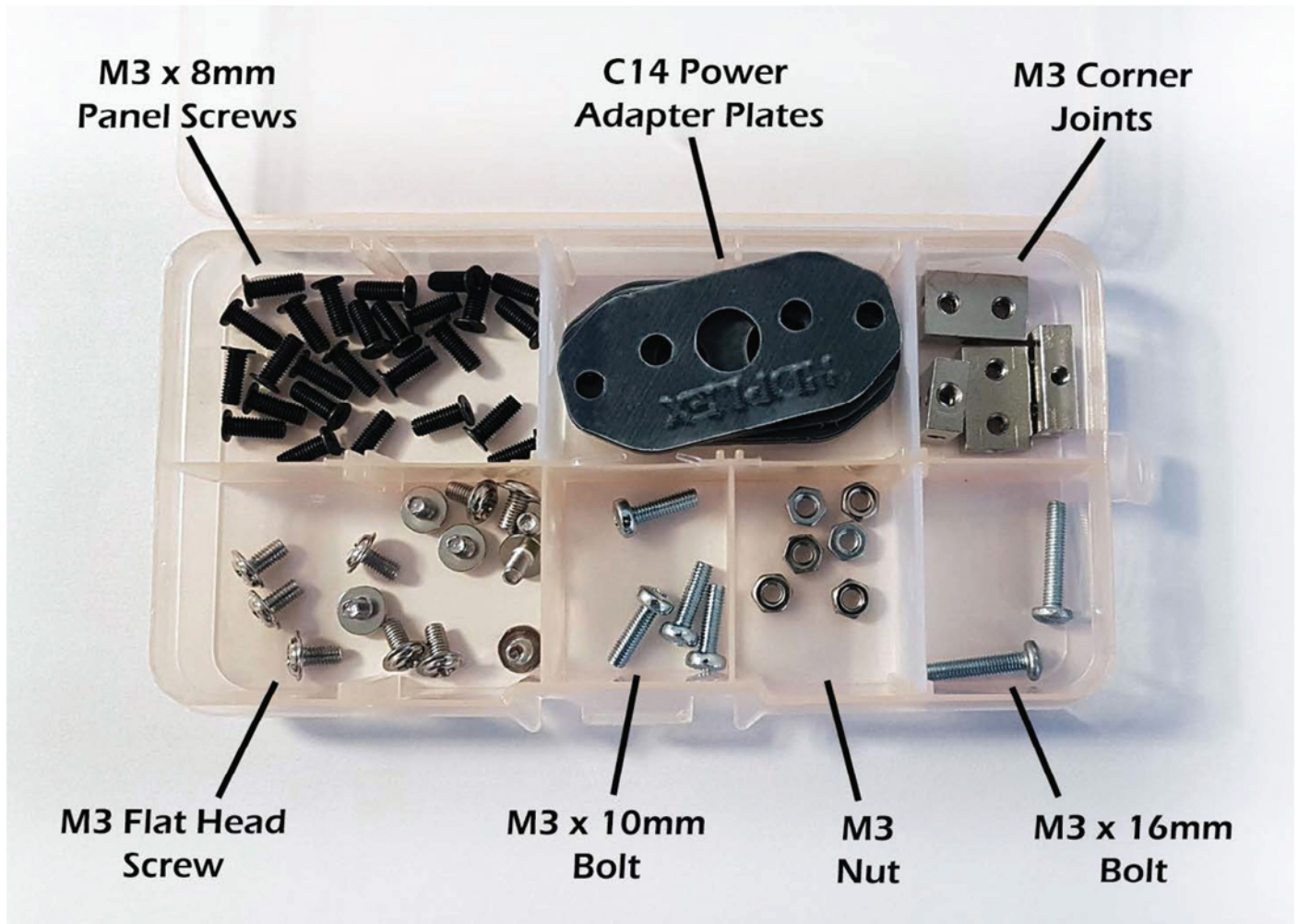
SPECIFICATION

CASE MODEL	HT5	
SIZE	265mm (W) x 96mm (H) x 210mm (D)	
	5.3 Litres Volume	
MATERIAL	Main Panels	5mm Sheet Acrylic (Perspex)
	Front Panel	Solid 5mm Wood, or 5mm Acrylic (Perspex)
	Internal Panels	3mm Sheet Acrylic (Perspex)
MOTHERBOARD	Mini-ITX	
POWER SUPPLY	DC-DC Types with external AC Power Adapter	
	EXAMPLES	HDPLEX Direct Plug
		HDPLEX HIFI DC-ATX
		Pico PSU
		G-Unique
		Realan
		Many other DC-DC types
	Internal AC-DC Adapter can be fitted such as HDPLEX200w AC-DC (depending on case layout and installed hardware)	
POWER ADAPTER	DC-DC boards are typically available in either 12v or 19v, please ensure your AC adapter (power brick) is compatible with your DC-DC internal power supply	
EXPANSION CARD	Half Height (low profile), Dual Slot	
	Up to 196mm in length	
DATA STORAGE	Up to 3x 2.5" Storage Drives	
	(depending on case layout and installed hardware)	
CPU COOLER	Up to 72mm in Height	
CASE COOLING	Up to 4x 80x25mm Fans	
	(depending on case layout and installed hardware)	
I/O	16mm Anti Vandal Power Switch	

QUICK ASSEMBLY OVERVIEW



PART LIST



WARNING: The case is not at full strength until fully built, please take care when attaching the first panels.

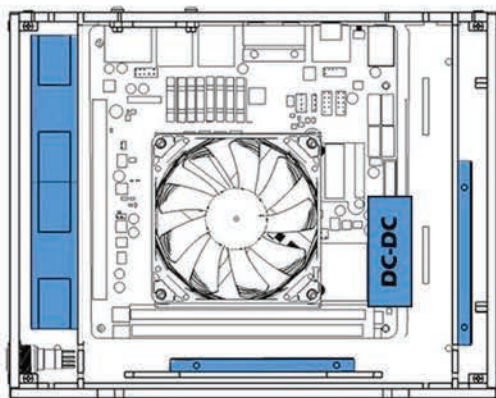
WARNING: Do not over-tighten the screws when securing the panels as this can reduce thread life.

LAYOUT EXAMPLES

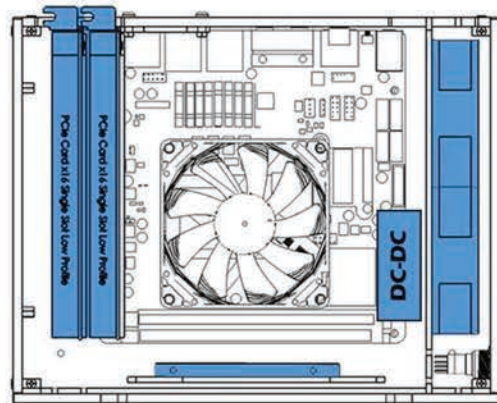
Plan Your Build With Care Ahead of Assembly!

The HT5 is a versatile case that can be configured in many different ways to suit the type of system your building. For example a PCIe expansion card can be installed instead of extra cooling fans, or a DC-DC power board such as the HDPLEX 400w HiFi DC-ATX board, or an internal power adapter (e.g. HDPLEX 200w AC-DC adapter), or extra 2.5" storage drives, or a combination of any of these in each side of the case.

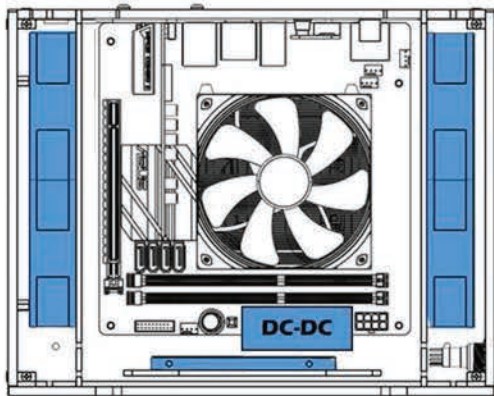
Below are some examples of how the case can be configured:



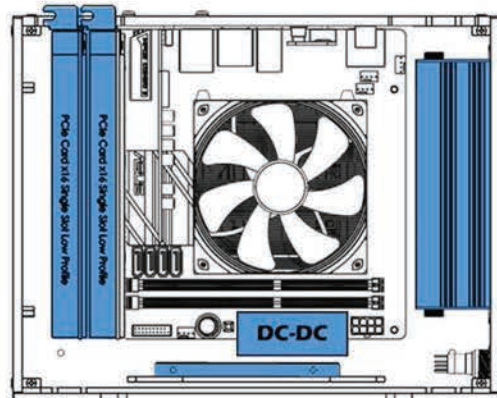
Extra 2.5" drive and 2x 80x25mm fans



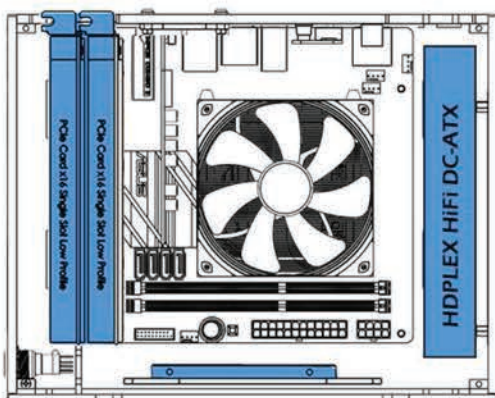
Low profile GPU and 2x 80x25mm fans



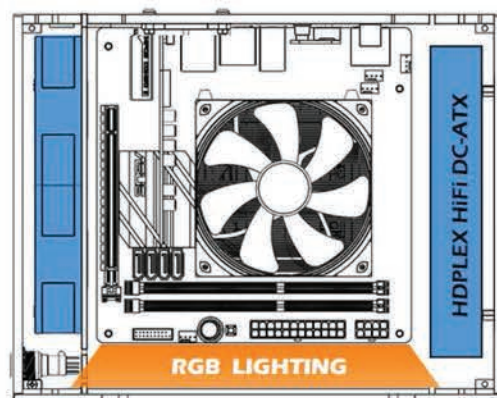
4x 80x25mm fans



Low profile GPU and HDplex 200w ac-dc
(Brickless Build)



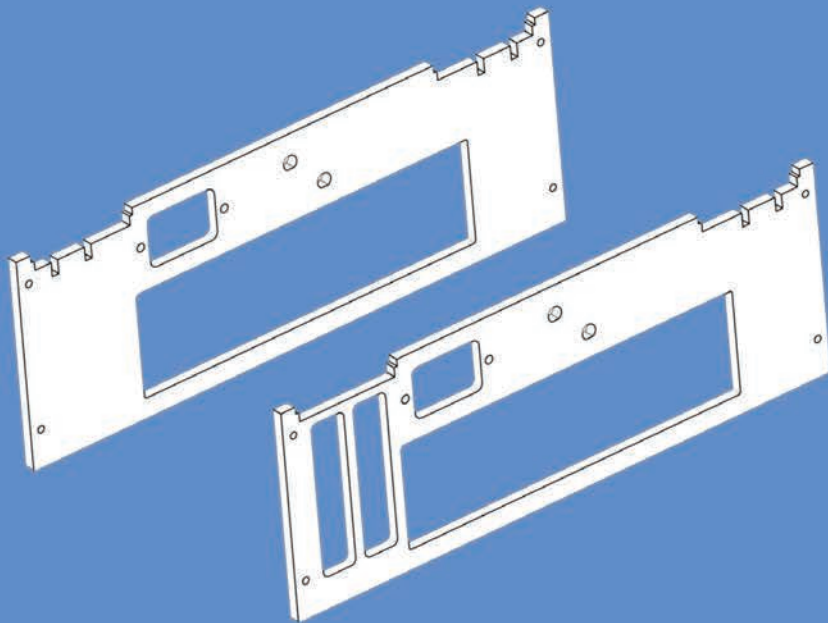
Low profile GPU and HDPLEX HiFi DC-ATX



Leave front of case clear for best RGB results

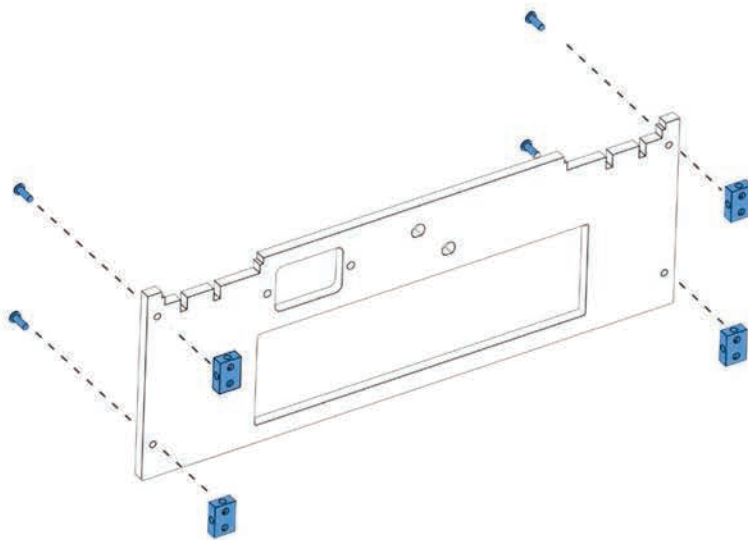
ASSEMBLY INSTRUCTIONS

Plan Your Build With Care Ahead of Assembly!



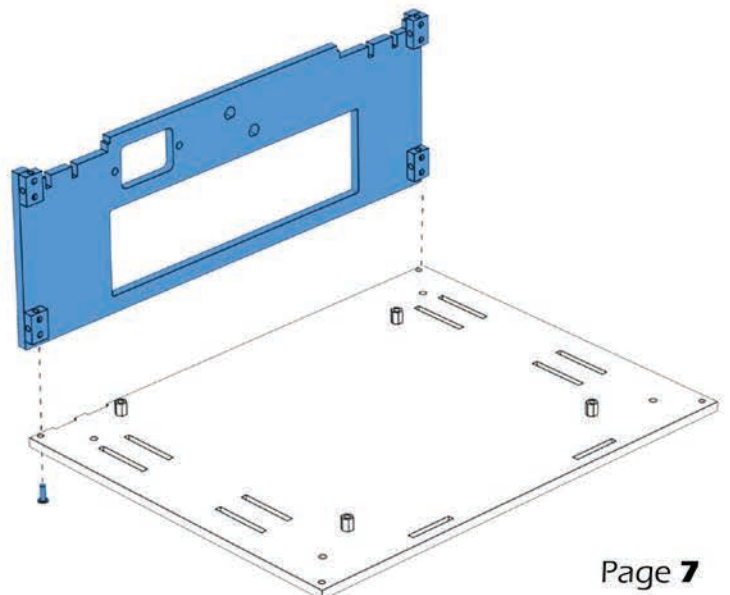
**2 Rear panels
are supplied
with this case:**

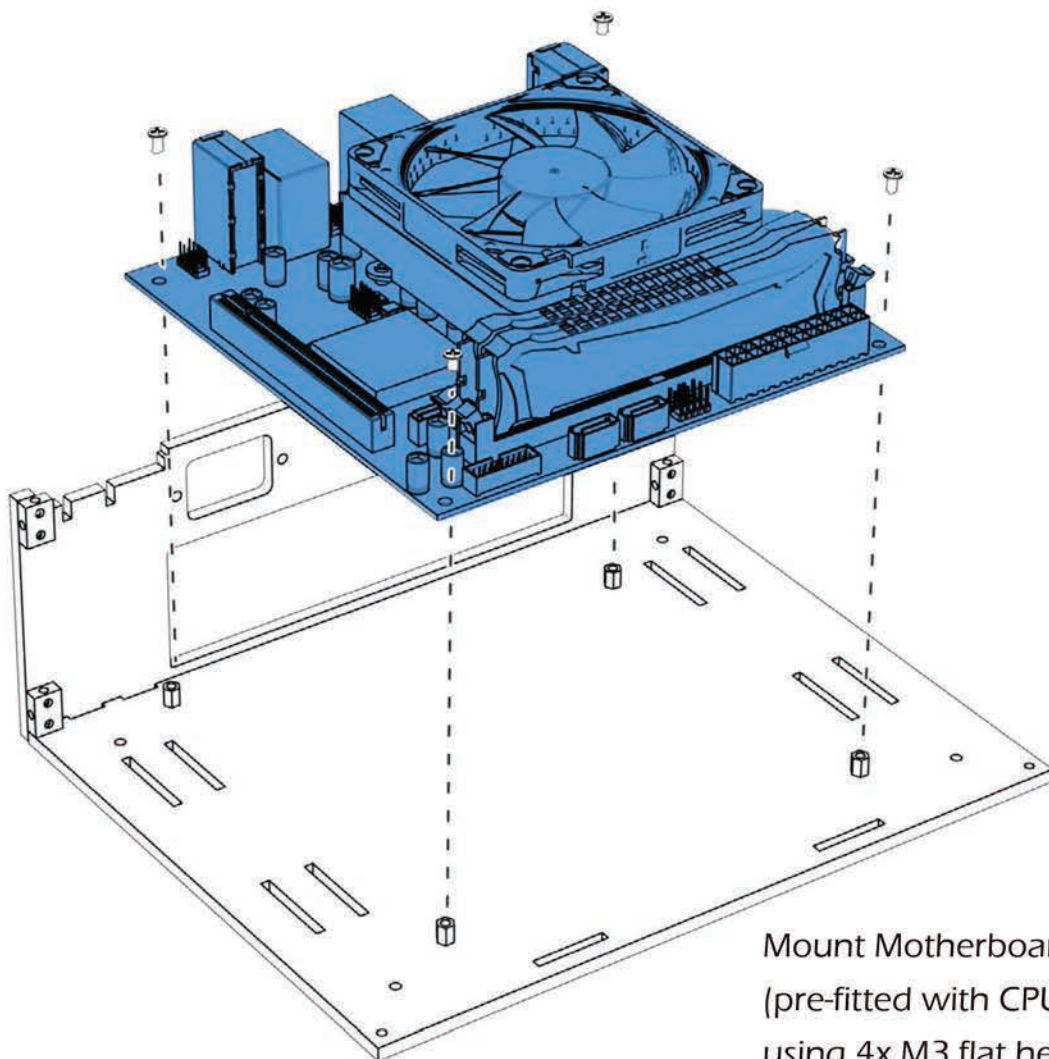
One for low profile GPUS and one for APU'S. Choose which best fits your build type.



Attach 4x M3 Rectangle Corners to the Rear Panel of choice using 4x M3x8mm screws

Attach Rear Panel to Base Panel using 2x M3x8mm screws

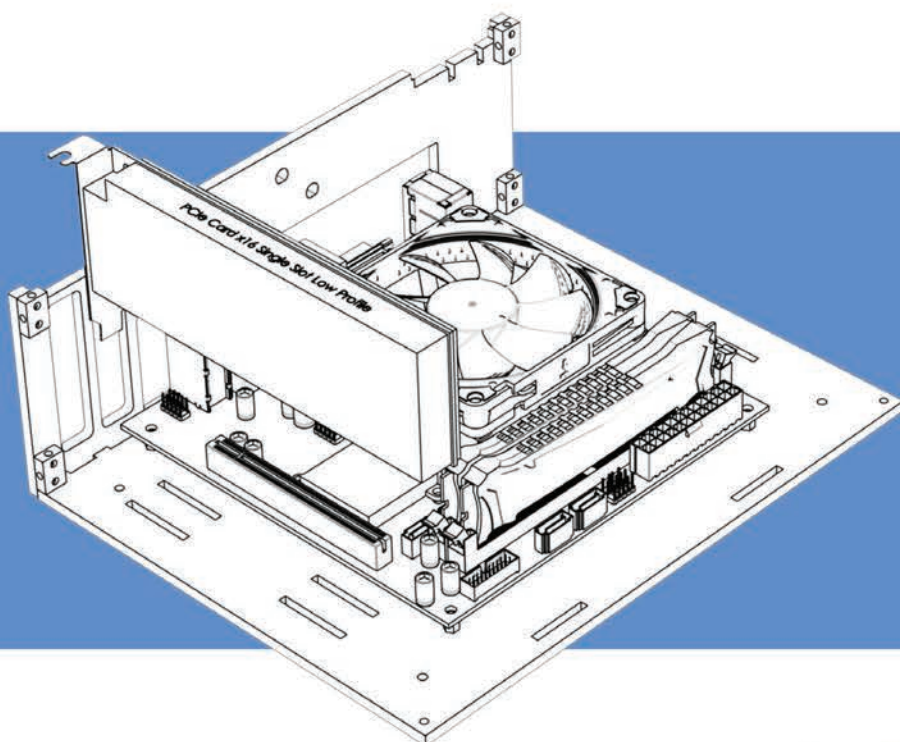


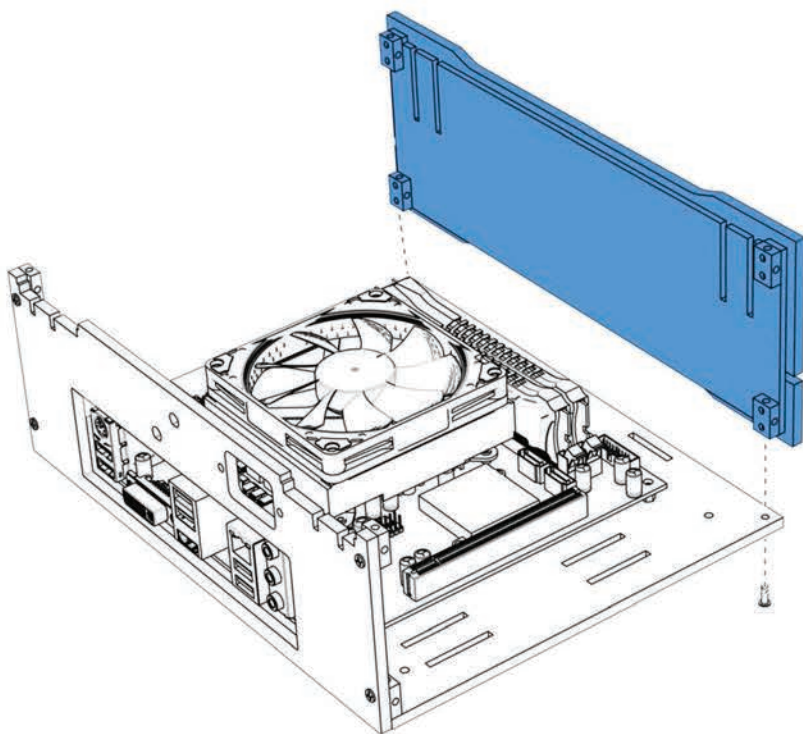


Mount Motherboard to base panel
(pre-fitted with CPU Cooler + RAM),
using 4x M3 flat head screws

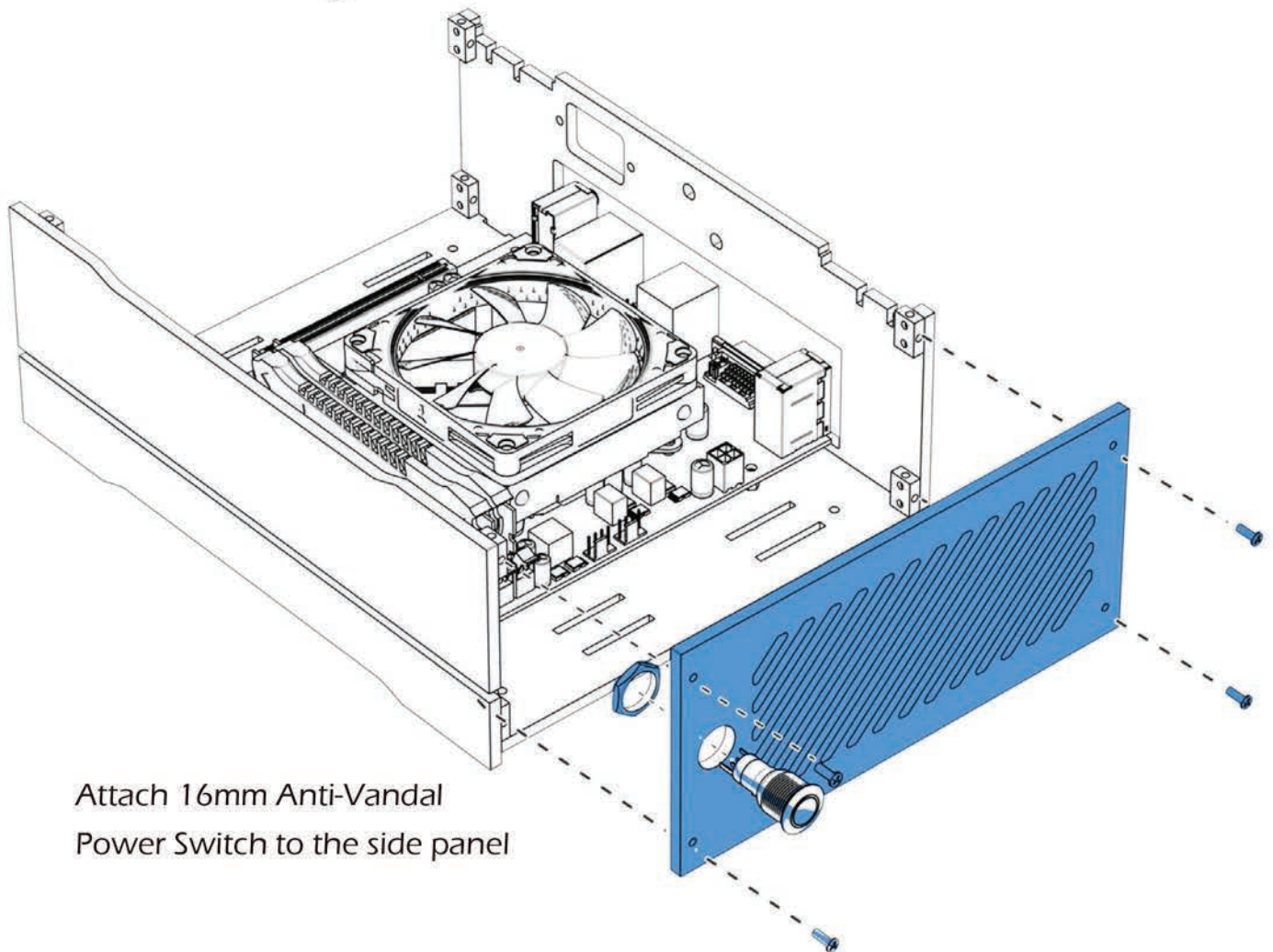
Optional

Mount Low Profile GPU to
Motherboard





Attach Front Panel to Base with
2x M3x8mm screws



Attach 16mm Anti-Vandal
Power Switch to the side panel

Attach the Side Panel to Case Assembly with 4x M3x8mm Screws.

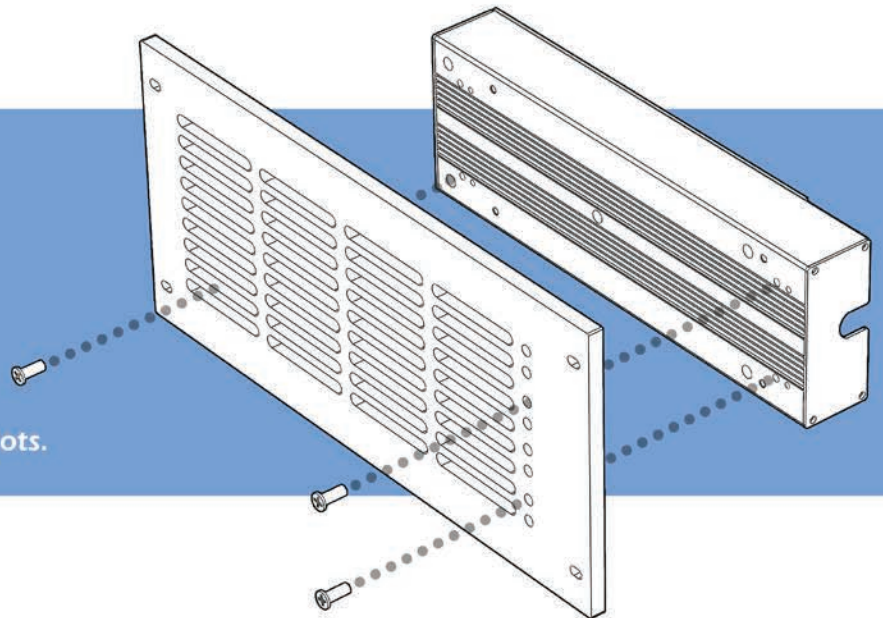
PLEASE NOTE - Side panels can be attached to either side of the case depending on what suits your chosen layout, to maximise compatibility.

PRO TIP: Begin Wiring

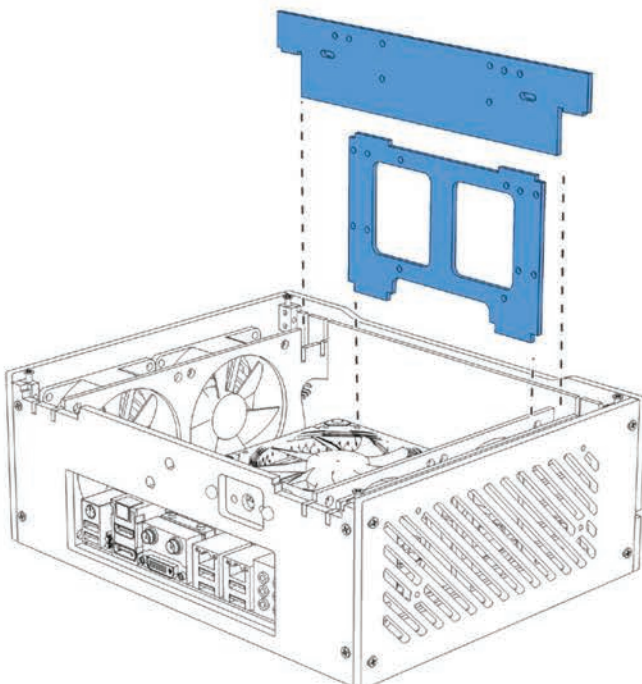
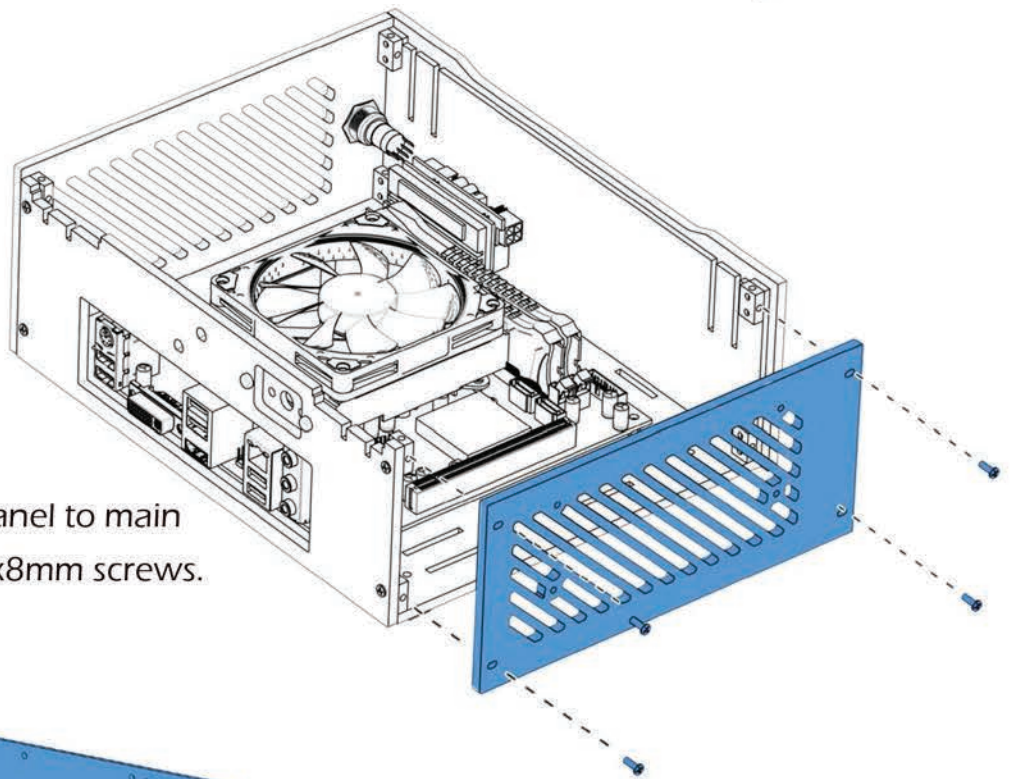
Optional

Use 3x M3 screws to mount HDPLEX Power Supplies to this Side Panel.

Typically the mounting holes are spaced 144mm x 33.3mm, the PSU can be positioned at different heights using the various mounting holes and slots.



Attach Second side panel to main assembly with 4x M3x8mm screws.

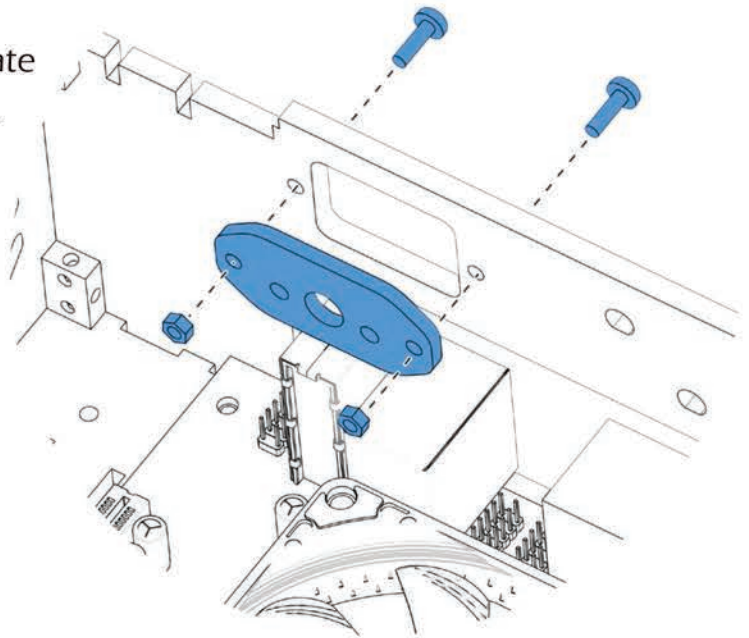


Optional

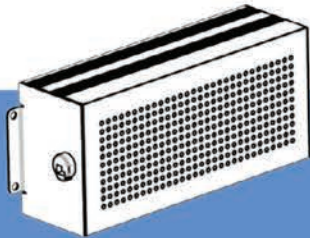
Slide in accessory slot panels and extra 2.5" drive bracket

Attach Relevant C14 adapter plate
(power input) to the Rear Panel,
using 2x M3x10mm bolts and
2x M3 Nuts

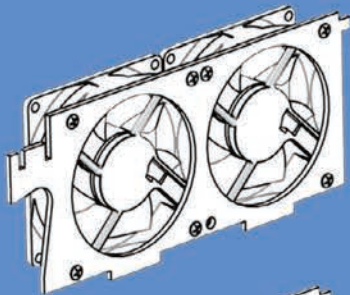
The power input connector can be secured
to this adapter plate before or after this
step depending on how your system is
configured.



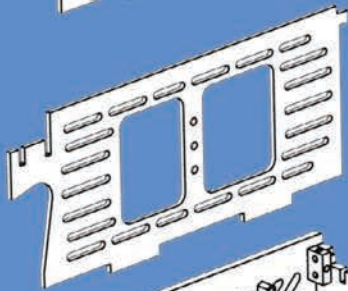
SLOT IN YOUR CHOSEN ACCESSORIES AND PANELS



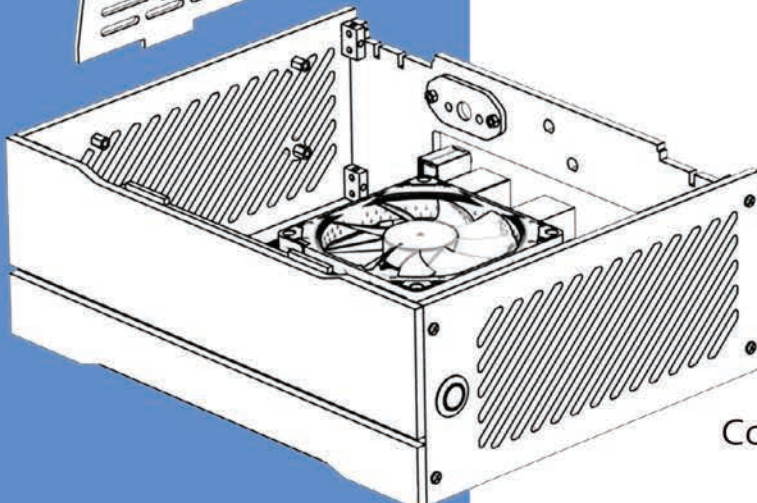
(Optional) Attach Alternative power supply



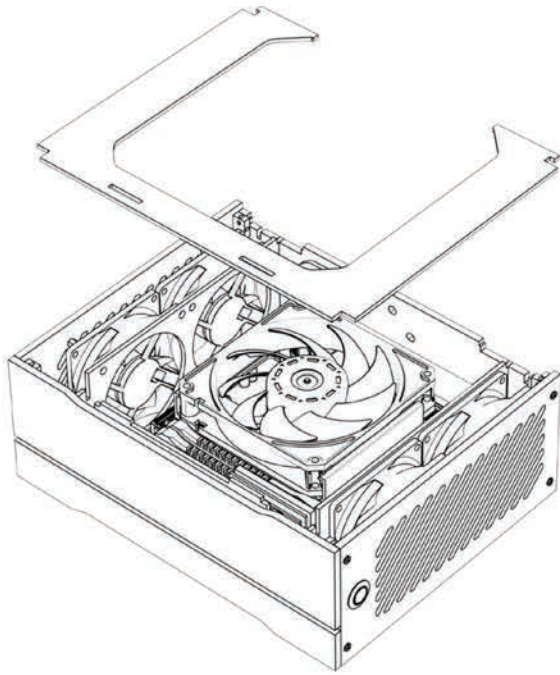
(Optional) Attach 80mm Case Fans to Fan Slot Panel(s)
and slide into the front and back chassis slots



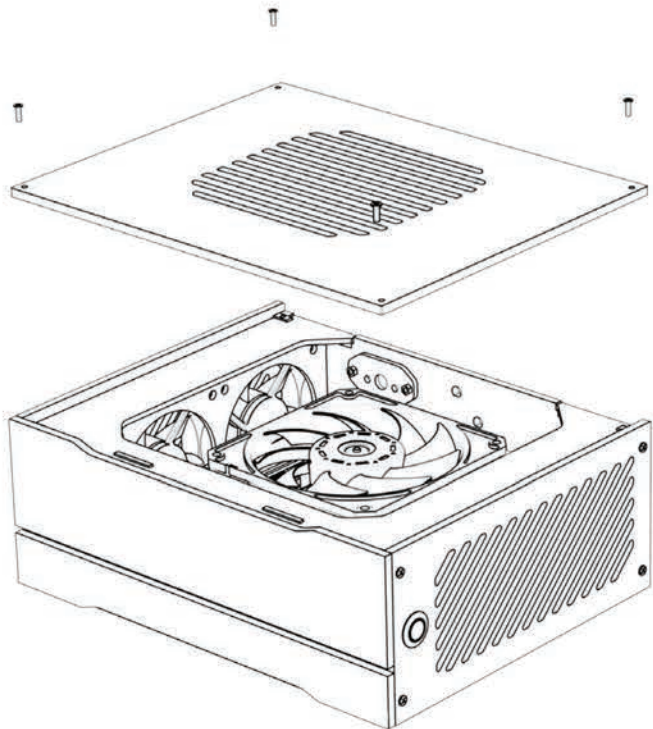
(Optional) install your 2.5" storage drives onto the
relevant accessory panel for chosen case layout



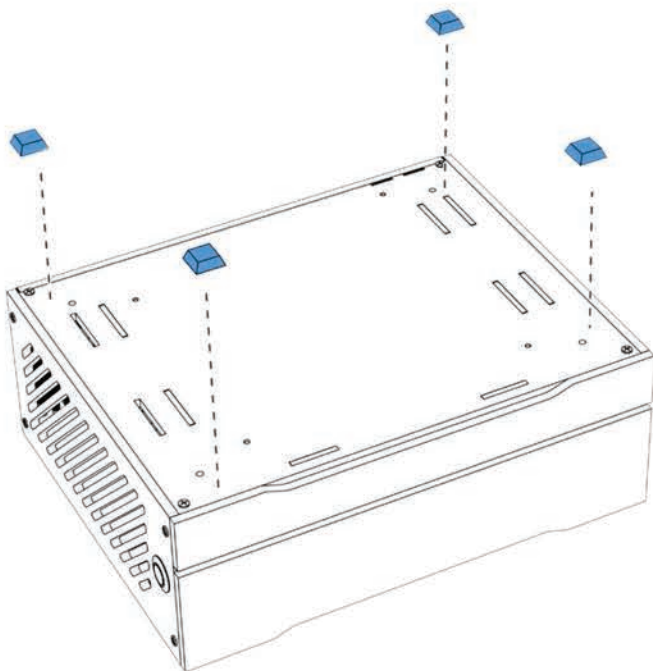
Complete your system wiring



Place "U" shaped cover over slot panels aligning any the front tabs if present



Attach Top Window Panel using
4x M3x8mm screws



Stick on Rubber Feet either to base
or side of the case depending on
preferred orientation of case

Finished!

2x 80mm Fan Slot in Panel 1

Multi-functional Mounting Slot in Bracket

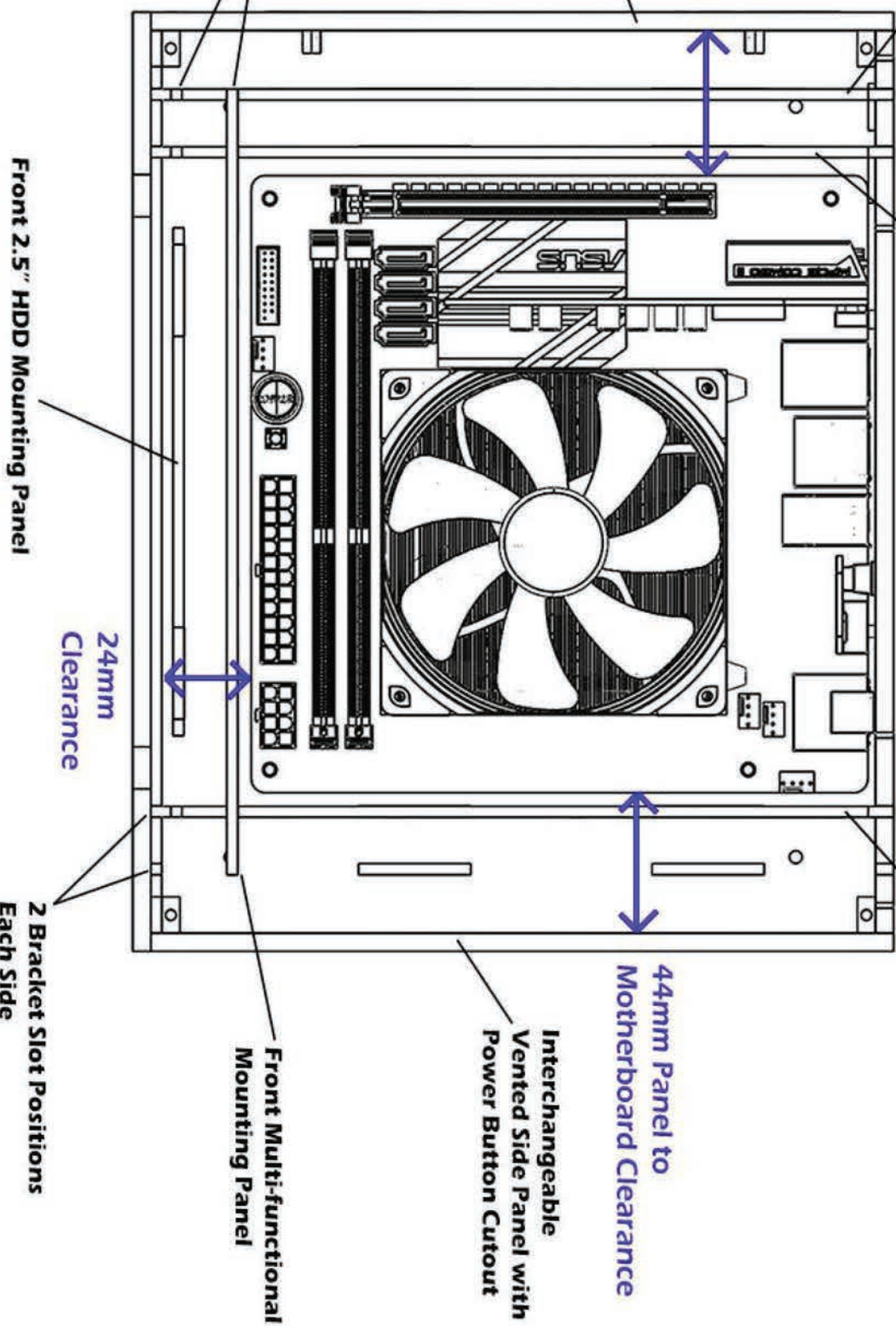
2x 80mm Fan Slot in Panel 2

40mm Panel to
Motherboard Clearance

Interchangeable
Vented Side Panel with
6mm Standoffs for
Mounting HDPLEX DC-ATX

2 Slot Positions for
Front Multi-functional
Mounting Panel

LAZER3D HT5
Slot in Panel Options

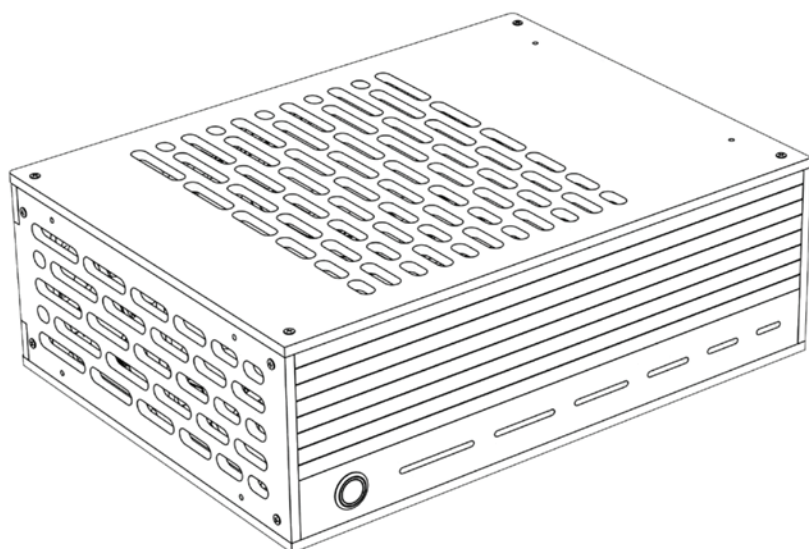
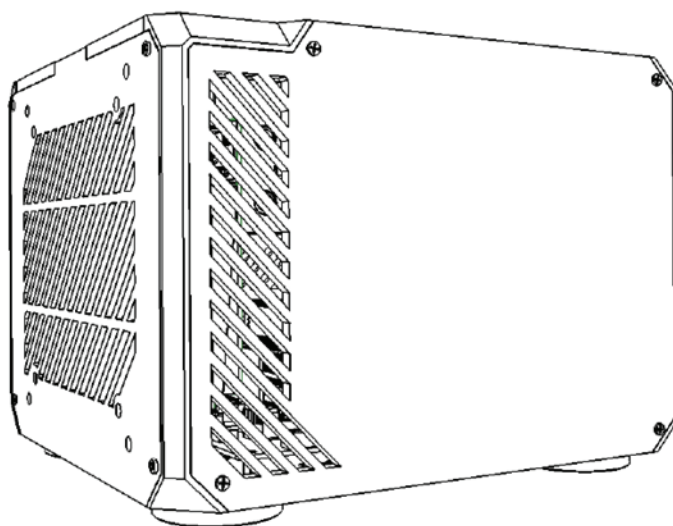


THANK YOU FOR CHOOSING LAZER3D!

CHECK OUT OTHER PRODUCTS:

Lazer3D LZ7

Customisable cube style
gaming case with highly
efficient airflow design



CG7 Cravo

Stylish low profile compact
case, supporting both
Mini-ITX and
limited size M-ATX boards

For more information please visit our website:
www.lazer3d.com

Visit us: www.lazer3d.com
Contact us: info@lazer3d.com