ECLIPSE P600s

PHANTEKS

USER MANUAL V1.0

Thank you

for choosing

PHANTEKS

1. WHAT'S INSIDE?

Introduction 3
Specifications 4
Exploded View 5
Accessories 6

2. CHOOSE YOUR SETUP

Configure your P600S 7
Get Started 9
Installing the Motherboard 11
Installing the Power Supply 12
Installing Fans 13
Connecting the Fan Hub

Installing Drives 15
Installing Water Cooling 18
Radiator Installation
Pump/Reservoir Installation

Installing GPU Anti-Sag Bracket 21
Connecting Front I/O 22
Cable Management 23
Matienance 24

Optional Upgrades: 26
Installing A Vertical GPU 28
Installing A Dual System 29

3. SUPPORT

Contact Us 32
Warranty 33

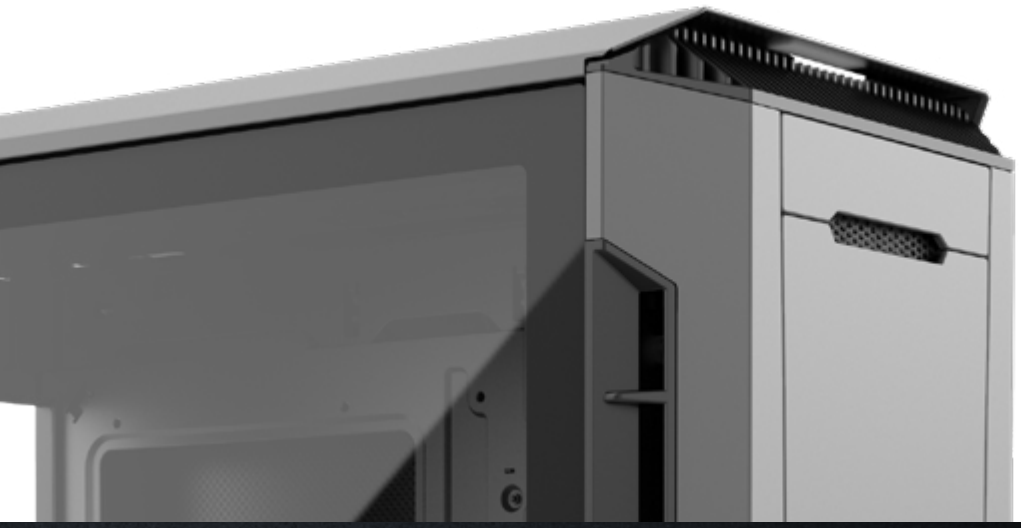
Welcome to Phanteks!

The P600S combines the best of 2 worlds with its high quality sound dampening panels and the ultra high airflow fabrics from Phanteks. Achieving both a quiet system and a high airflow configuration.

The durable fabric, carefully selected by Phanteks, results in a much lower airflow resistance compared to standard mesh panels. Keeping air speed higher and noise levels lower.

Phanteks believes that meaningful designs are created through the fusion of form and function.

The Phanteks team



CASE SPECIFICATIONS

Dimension (WxHxD)	240 mm x 520 mm x 510 mm (9.45 in x 20.5 in x 20.1 in)
Form Factor	Mid-Tower
Materials	Powder coated steel chassis
	Sound Dampening Panels
	Tempered glass side panel
MB Support	E-ATX, ATX, Micro-ATX, Mini ITX
Front I/O	Power button, 2x USB 3.0, Microphone, Headphone, Reset Button, USB 3.1 GEN 2 Type-C
Side Window	Yes, Tempered glass

PCI SLOTS & DRIVE BAYS

PCI slots	7x	
Internal 3.5"	10x	(4 included)
Internal 2.5"	3x	(3 included)

FAN	120 MM	140 MM
Front	3x	3x (2 installed)
Top	3x	2x
Rear	1x	1x (1 installed)

RADIATOR	120 MM	140 MM
Front	Up to 360	Up to 420
Top	Up to 360	Up to 280
Rear	120	140

INCLUDED ACCESSORIES

Premium Fan 140mm	3x (installed)
Universal Fan Hub	1x (installed)
3.5" Stackable HDD Bracket	4x
Vertical GPU Mount	1x
Accessory Bag	1x
GPU Anti-Sag Bracket	1x
Airflow Cover	1x
Toolbox	1x

CLEARANCE

E-ATX Motherboard width	280mm	(11.1 in)
CPU Cooler Clearance	190 mm	(7.48 in)
GPU Clearance	435 mm	(17.24 in)
Front Radiatior Clearance	95 mm	(3.74 in)
Top Radiator Clearance	65 mm	(2.56 in)

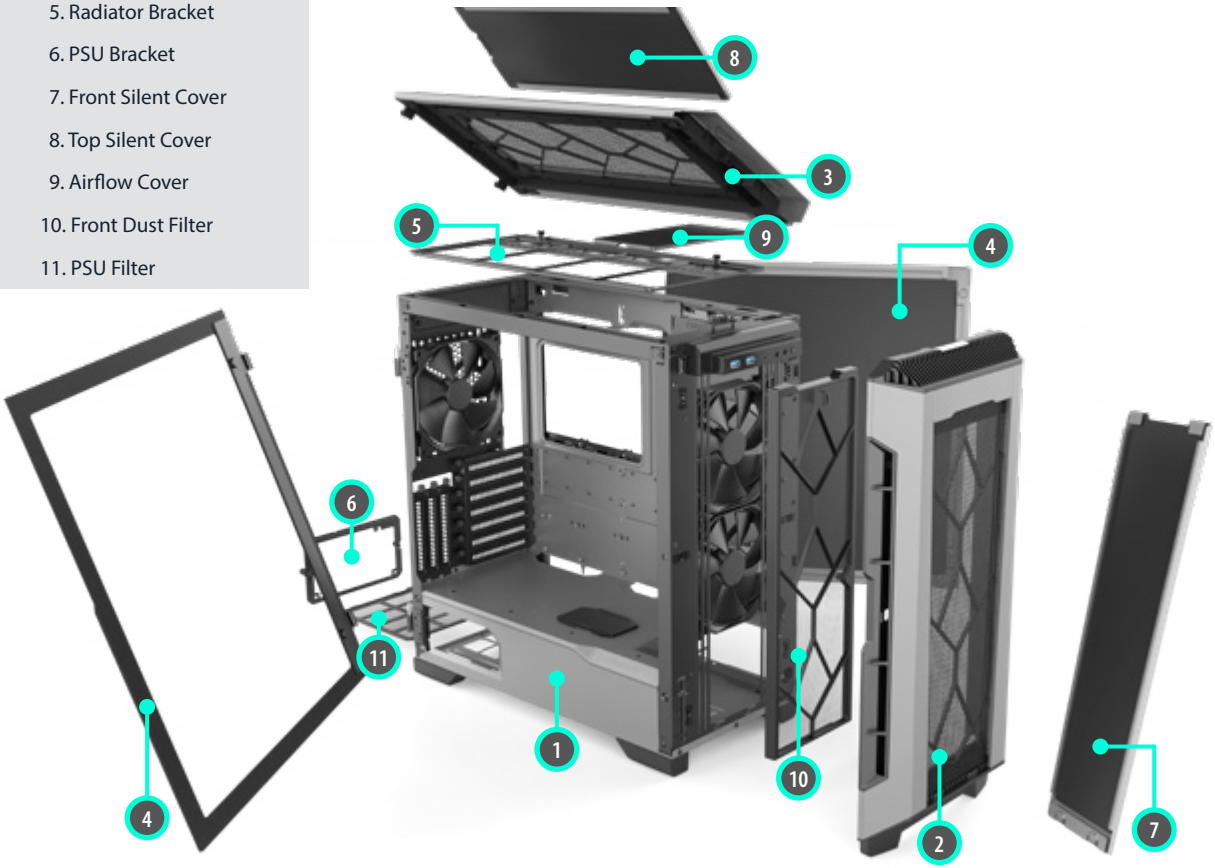
SUPPORT

Contact (International)	support@phanteks.com
Contact (America)	support@phanteksusa.com
Warranty	5 Years*

*see page 31

EXPLOADED VIEW

1. Chassis
2. Front Panel
3. Top Panel
4. Side Panels
5. Radiator Bracket
6. PSU Bracket
7. Front Silent Cover
8. Top Silent Cover
9. Airflow Cover
10. Front Dust Filter
11. PSU Filter



3.5" MODULAR HDD BRACKET

- 4 included in accessory box
- For 3.5" or 2.5" Drive

PREMIUM FAN 140 MM

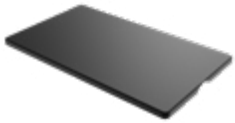
- 3 Pre-installed
- Hight static pressure
- Silent operation

VERTICAL GPU MOUNT

- Included in accessory box
- Riser Cable is sold separately

AIRFLOW COVER

- Included in accessory box
- Magnetic

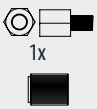


ACCESSORY BAG AND TOOLBOX

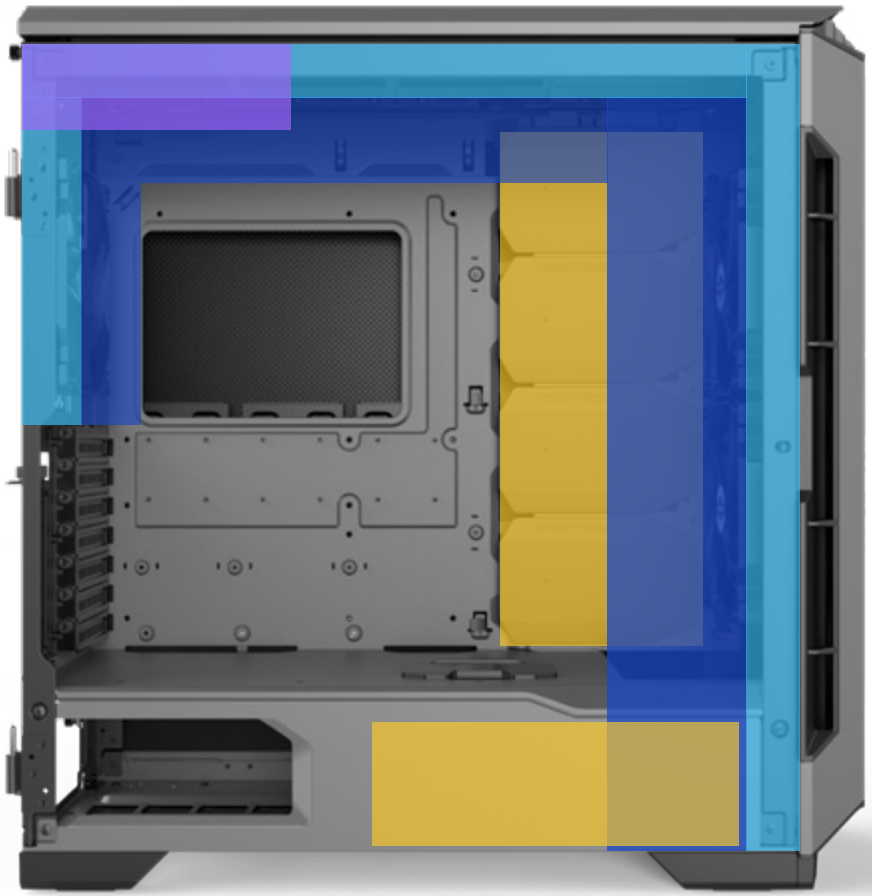
Accessory bag

GPU Anti-Sag Bracket
6x Zip Tie 150mm
Phanteks Logo Badge

Toolbox

	M3x5 mm Motherboard / SSD screw 22x	Fan screw 12x	Motherboard Standoff + tool  1x 1x	
6-32x6 mm Hex screw 7x	6-32x6 mm Thumb screw 12x	6-32x5 mm Case screw 6x	6-32x9 mm HDD screw 16x	Riser Cable screw 3x

The P600S has the most versatile chassis design, providing you with a myriad of options. With so many possibilities to pick from, you can use this overview to choose and plan the best configuration for your build.



AIR COOLING- P13.

STORAGE - P15.

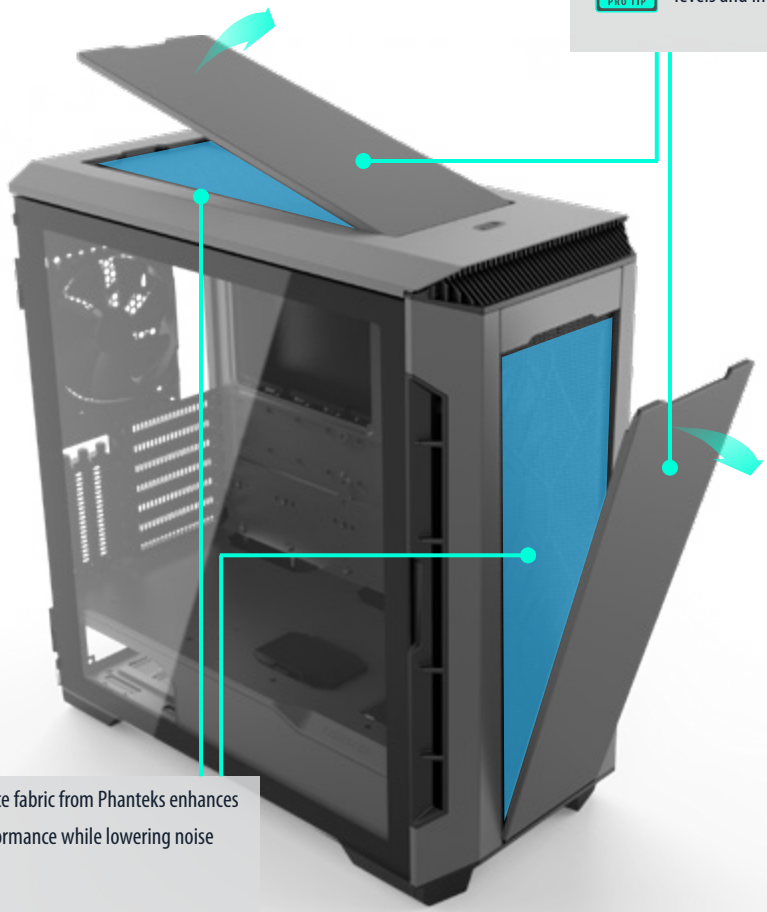
WATERCOOLING - P18.

DUAL SYSTEM - P27.

The P600S can be transformed from a Silent to a High Airflow configuration. The magnetic front and top Silent Covers can be easily removed or installed. By removing the Silent Covers the air intake and outtake surface area is increased dramatically, allowing a much higher cooling capacity.

PRO TIP

Heavy and sound dampening panels reduce noise levels and improve acoustics.



PRO TIP

High performance fabric from Phanteks enhances the cooling performance while lowering noise levels.

PREPARATIONS

- The P600S case is designed to support installation in a standing position.
- Don't turn on the power to your system until installation is complete.
- Discharge your body's static electric charge by touching a grounded surface before performing any hardware procedure.
- Make sure to consult the manuals of your hardware before installation.

If you do not feel comfortable with performing the installation procedure, consult a qualified computer technician.

1. *REMOVING FRONT PANEL*

2. *REMOVING TOP PANEL*

LOOSEN:

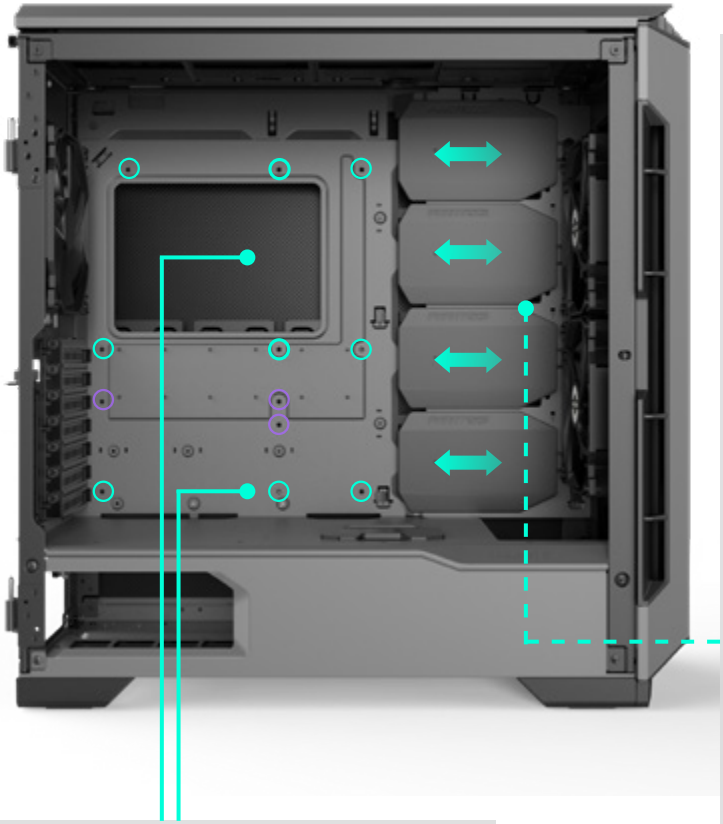
4 x

3. *REMOVING SIDE PANEL*

Open the side panel more than 90 degrees and lift it up near the hinges.

Use the motherboard screws from the toolbox to install your motherboard on the pre-installed standoffs.

REQUIRES:



STANDOFF POSITIONING

ATX / E-ATX (Pre-installed)

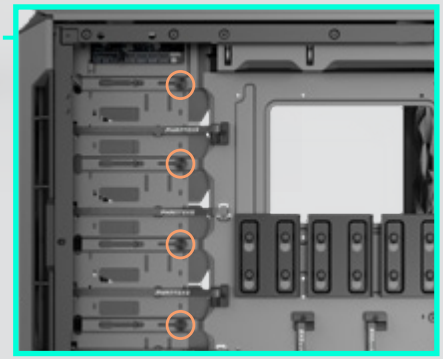
Micro ATX (install extra standoffs)

Some motherboards require installation or repositioning of the standoffs. Please consult your motherboard manual for the correct standoff positioning.

For repositioning standoffs

PRO TIP

By loosening the thumb screws you can slide the Cable Covers left and right for optimal cable management.

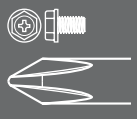


PRO TIP

These standoffs have a special collar to keep the motherboard in place when installing vertically.

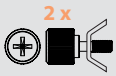
The power supply can be installed by removing the PSU bracket on the rear of the case chassis.

REQUIRES:



LOOSEN:

2 x



4 x

PRO TIP

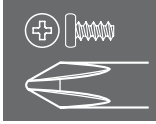
Connect all needed cables to the power supply before installing it in the case.

Configure your airflow-path with this overview. All fan locations support both 120mm and 140mm fans.

PRO TIP

Install the magnetic Airflow Cover to prevent air from re-circulating when you install 2x 120 mm or 2x 140 mm fans.

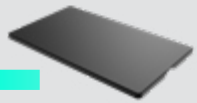
REQUIRES:



TOP

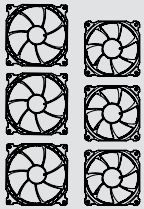
140 FAN

120 FAN



AIRFLOW COVER

FRONT

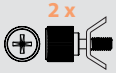


140 FAN

120 FAN

LOOSEN:

2 x



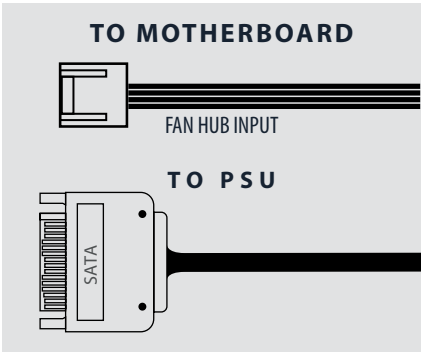
REAR

140 FAN

120 FAN

CONNECTING THE UNIVERSAL FAN HUB

1. *CONNECT THE FAN HUB 4-PIN INPUT CABLE TO YOUR MOTHERBOARD FAN HEADER*
2. *CONNECT EXTRA FANS TO THE CORRESPONDING CONNECTOR ON THE UNIVERSAL FAN HUB*
3. *CONNECT THE SATA CABLE TO THE POWER SUPPLY*



PRO TIP

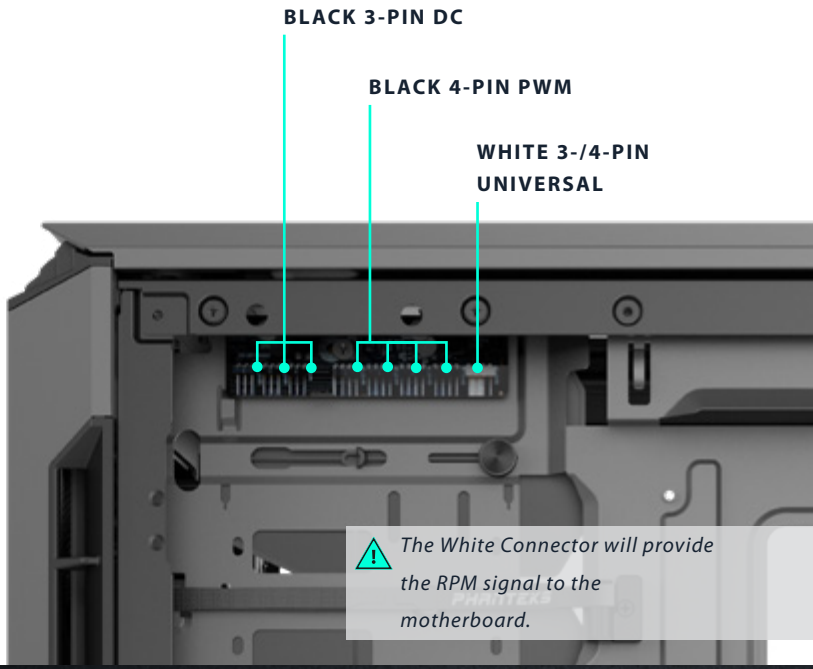
You can choose a PWM or DC output in the motherboard settings. The Fan Hub will automatically translate the signal to all connected 3- and 4-pin fans. Check **WWW.PHANTEKS.COM/FAQ** for more technical details.

PRO TIP

Choosing a PWM output provides the most customization options in the motherboard settings.

PRO TIP

Expand the number of fans with splitter cables up to a maximum of 4A total power. Splitter cables are sold separately: **PH-CB-Y4P / Y3P**



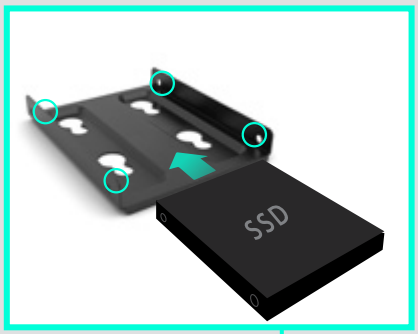
The White Connector will provide the RPM signal to the motherboard.

2.5" SSD INSTALLATION

Install the SSD in to the SSD brackets before placing them in the chassis.

REQUIRES:

PRO TIP Make sure to install the screws into the SSD once it rests in the SSD bracket to secure its position.



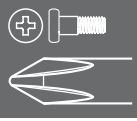
4 x

3.5" HDD INSTALLATION

4x Phanteks Stackable 3.5" HDD Brackets are included.

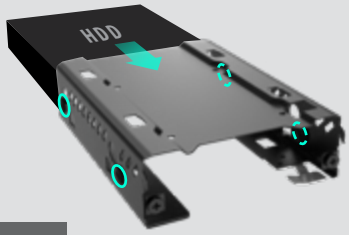
Additional brackets are sold separately ***(PH-HDDKT_03).***

REQUIRES:

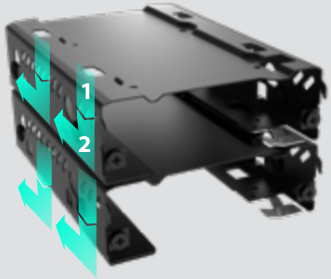


PRO TIP The HDD bracket can also house a 2.5" SSD instead of a 3.5" HDD.

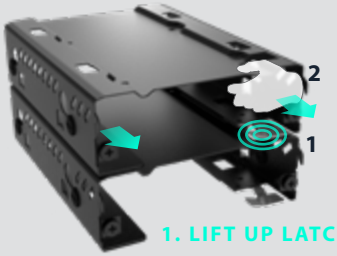
HDD INSTALLATION



STACK / INSTALL



REMOVE



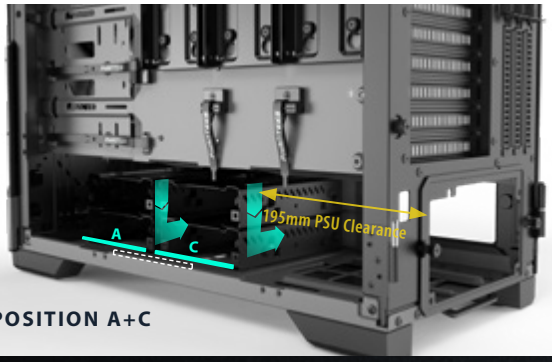
1. LIFT UP LATCH
2. PULL OUT

4 x

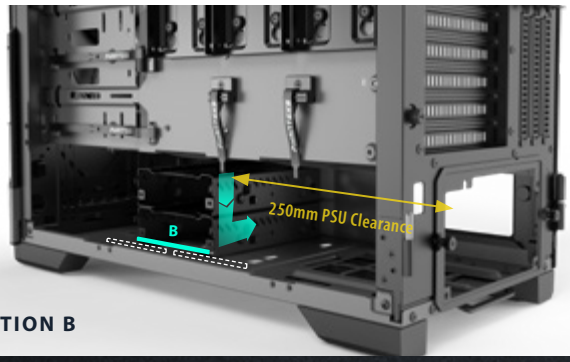
Each HDD bracket can be stacked together to offer more flexibility.

BOTTOM COMPARTMENT

The Bottom Compartment can house up to 2 or 4 Stackable HDD trays. Using Position B will not limit PSU or Front radiator clearance.



POSITION A+C



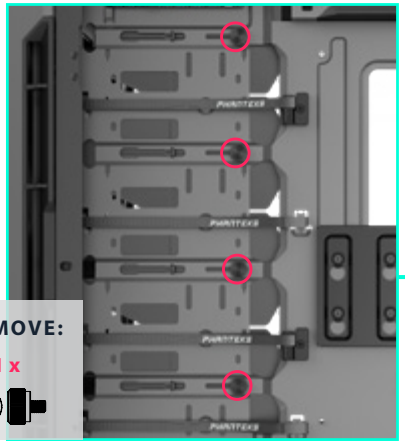
POSITION B

MAIN COMPARTMENT

Up to 6 Stackable HDD Brackets can be installed in the main compartment.

REQUIRES:

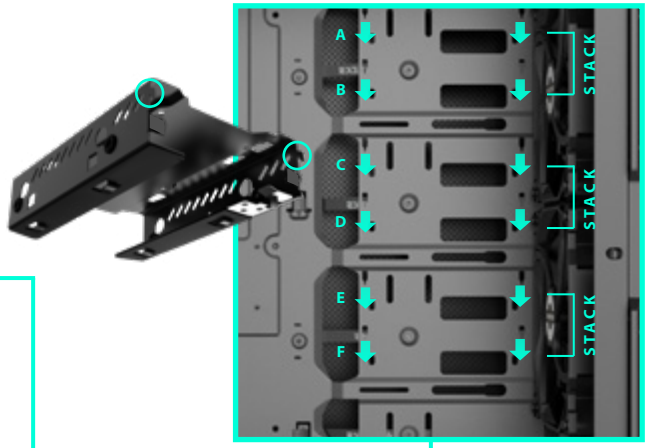
1. *REMOVE THE CABLE COVER(S) TO REVEAL THE HDD MOUNTS*



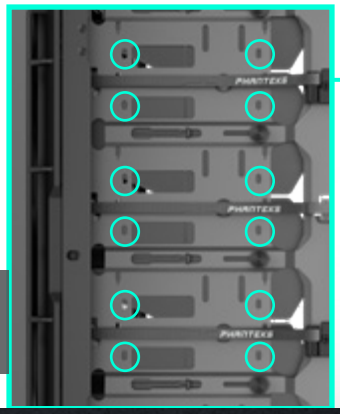
REMOVE:

1 x

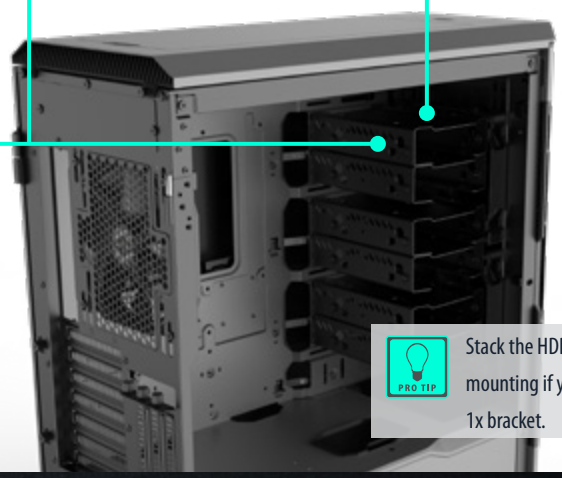
2. *MOUNT THE (SINGLE / STACKED) HDD BRACKETS IN POSITION*



3. *SECURE WITH 2 THUMBSCREWS*



2 x



PRO TIP

Stack the HDD brackets before mounting if you install more than 1x bracket.

REQUIRES:

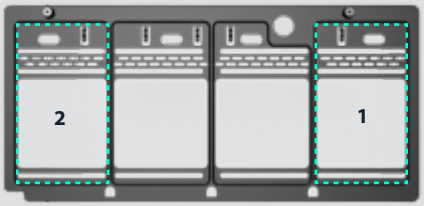
TOP

120 FORM FACTOR

- 120
- 240
- 360

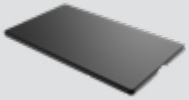
140 FORM FACTOR

- 140
- 280



PRO TIP

Use the Airflow Cover to prevent hot air from circulating.



REAR

120 FORM FACTOR

- 120

140 FORM FACTOR

- 140

FRONT

120 FORM FACTOR

- 120
- 240
- 360

140 FORM FACTOR

- 140
- 280
- 420

TOP

MAX. RADIATOR CLEARANCE

140mm Radiators: **A:405mm B:146mm C:65mm**

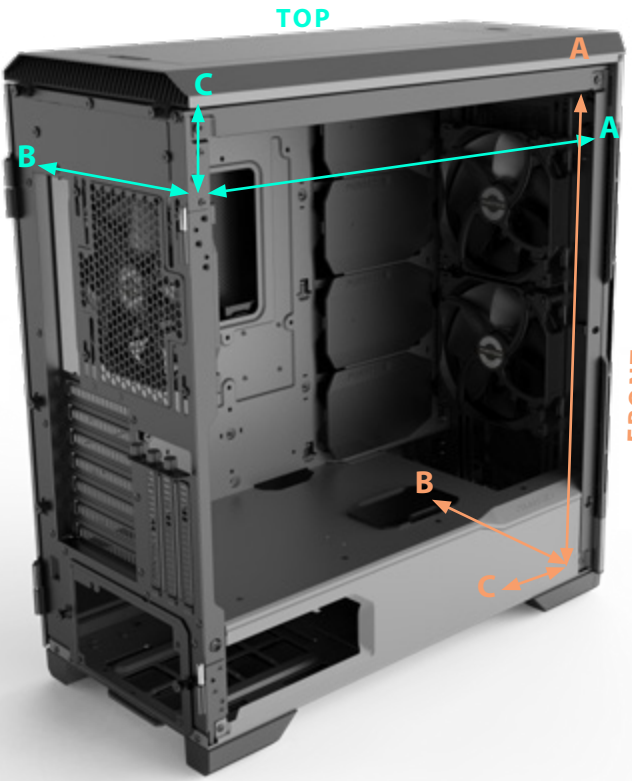
120mm Radiators: **A:405mm B:126mm C:65mm***

**If the motherboard and its components (e.g. memory) are 50mm or lower there is no limit in Radiator thickness.*

FRONT

MAX. RADIATOR CLEARANCE:

A:465mm B:148mm C:95mm



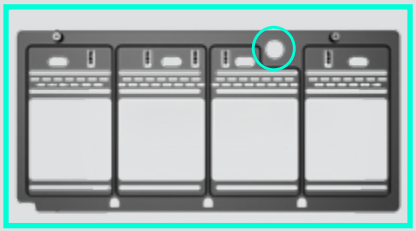
PRO TIP

Installing a fill port in the top radiator bracket and/or a drain port in the front of the case makes water cooling maintenance much easier. The port diameters are 20.5mm.

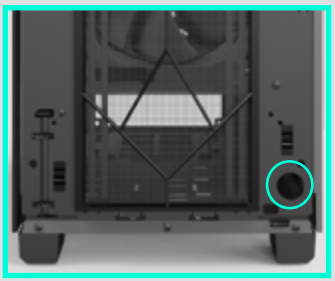
Phanteks Passthrough fitting: **PH-PTF_BK/CR_G1/4**

Phanteks Ball-Valve fitting: **PH-BVA_BK/CR_G1/4**

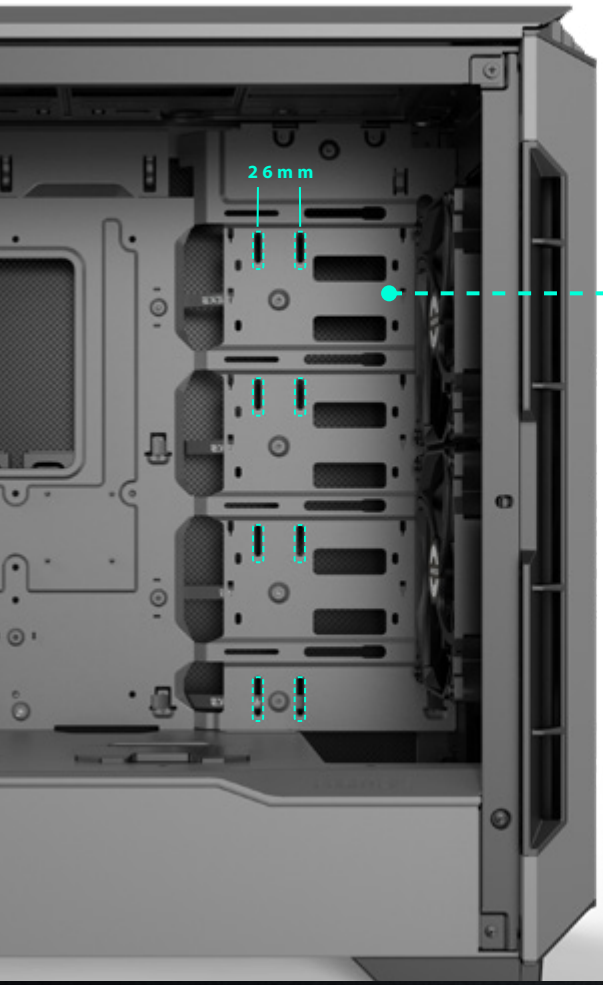
FILL PORT

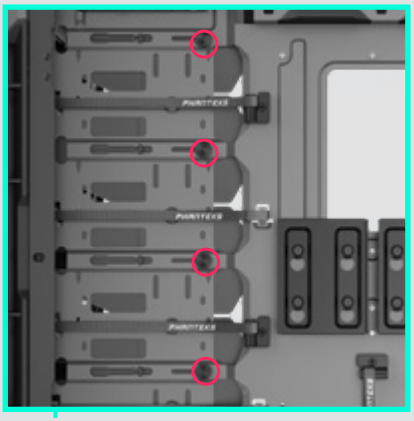


DRAIN PORT



Reservoir mounting points are accessed by removing the Cable Covers.





REMOVE:

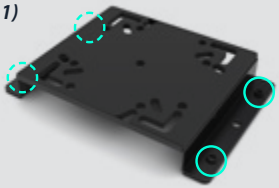
1 x

OPTIONAL PUMP BRACKET

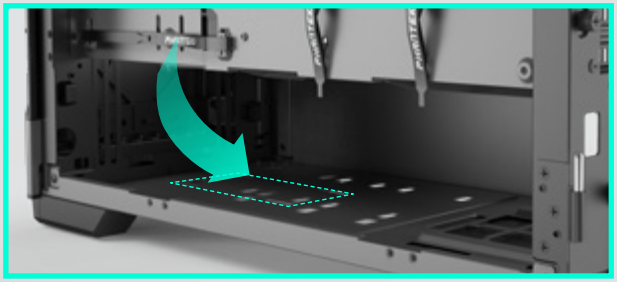
The universal Pump Bracket can be installed in the bottom compartment using 4 case screws.

Pump Bracket sold separately

(PH-PUMBKT_01)

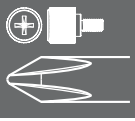


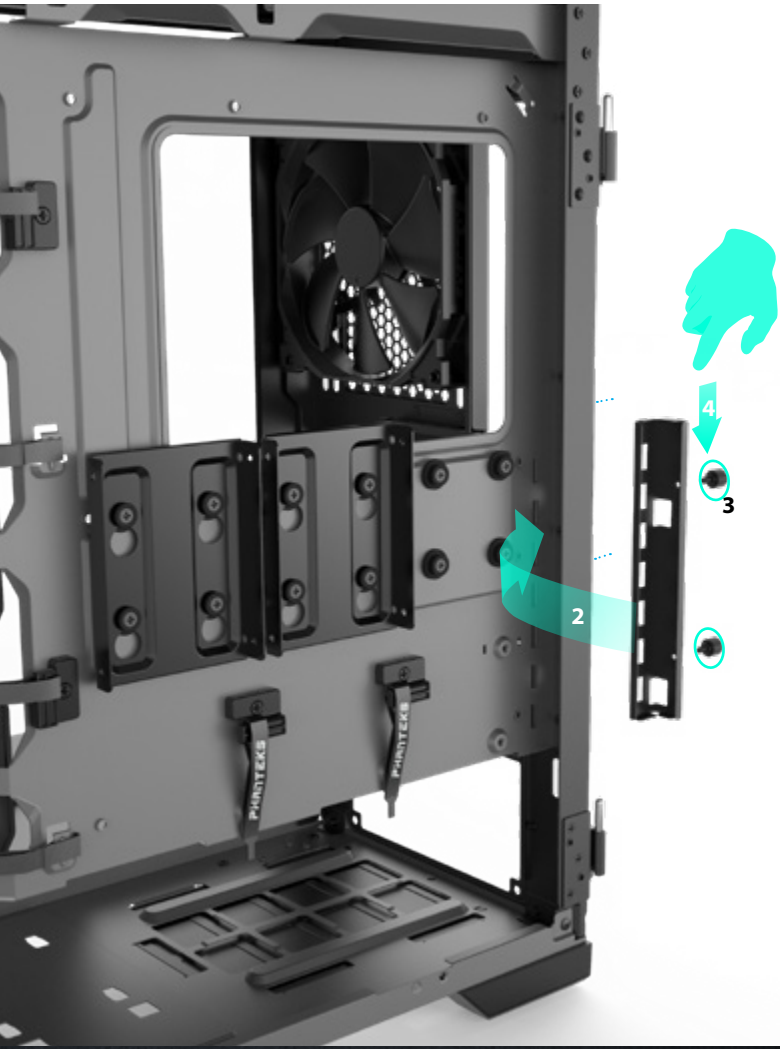
4 x



To prevent your GPU from tipping down you can install the GPU Anti-Sag Bracket.

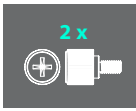
REQUIRES:





INSTALLING GPU ANTI-SAG BRACKET

1. *INSTALL ALL GPU AND PCI CARDS*
2. *PLACE THE GPU ANTI-SAG BRACKET*
3. *INSERT THE THUMBSCREWS WITHOUT TIGHTENING THEM*
4. *PRESS DOWN AND LOCK THE THUMBSCREWS IN POSITION.*



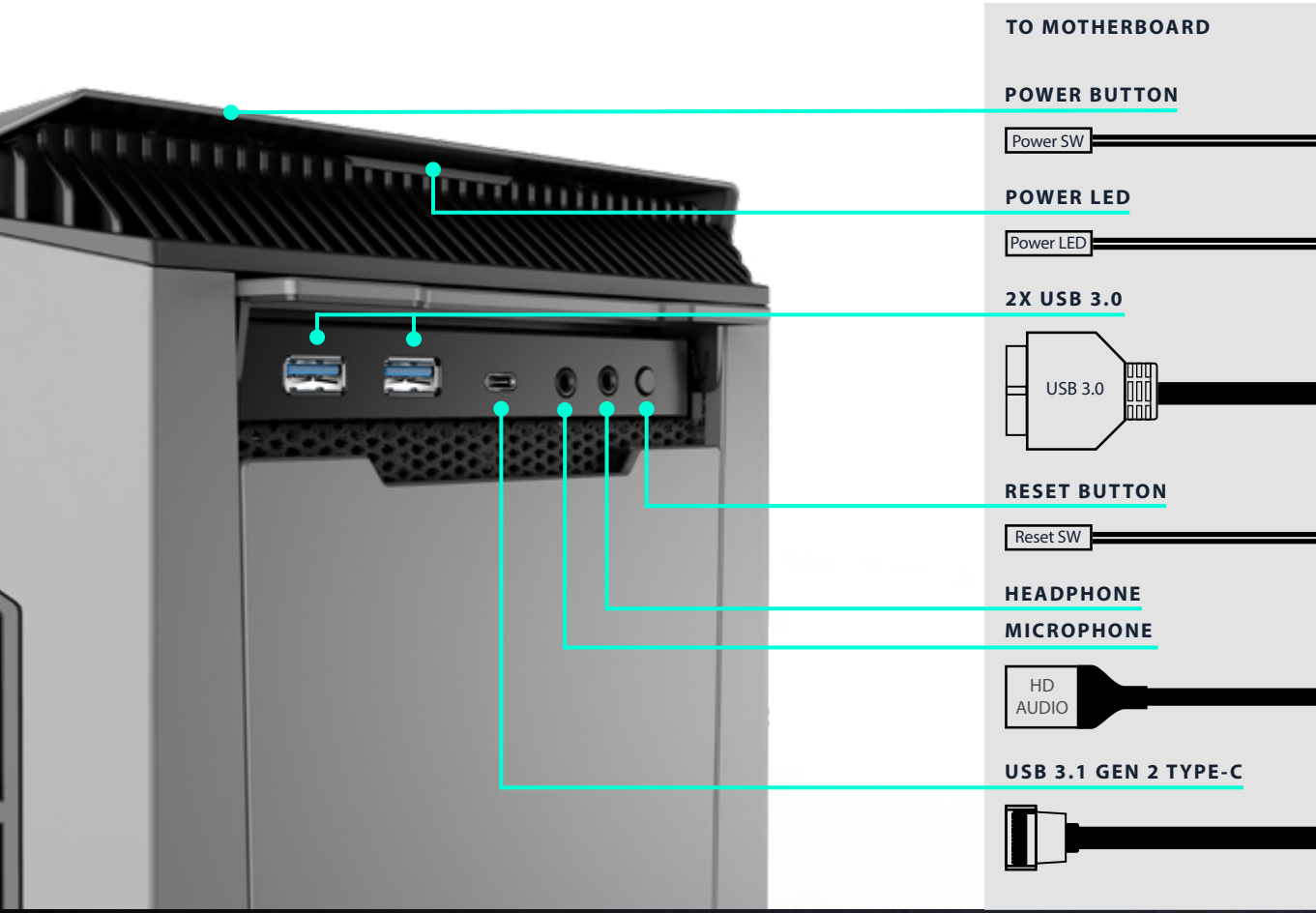
Always loosen the 2 thumb screws before removing any GPU or PCI cards.

PRO TIP

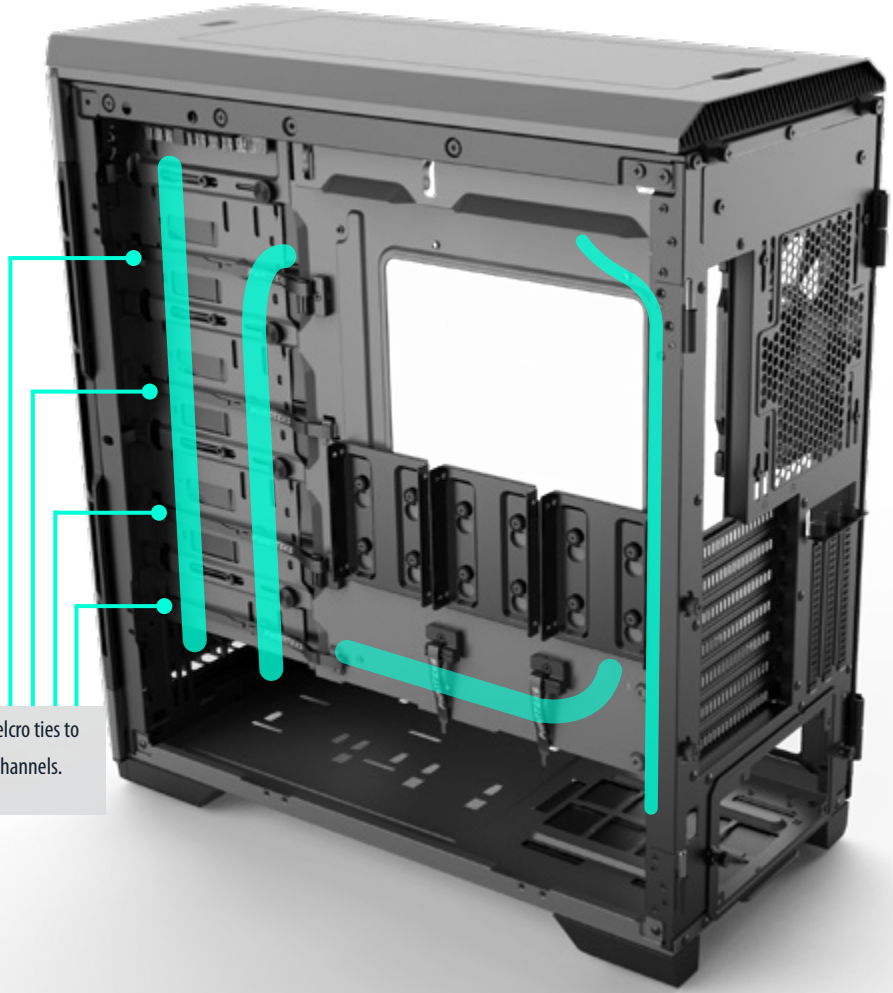
Hold the GPU in the correct position when tightening the thumbscrews.

Please consult the motherboard manual for additional instructions.

Please make sure to consult your motherboard manual before connecting your front I/O.



Use the double-loop Velcro ties to route your cables. Zip ties are included in the accessory bag to manage any excess cables.



PRO TIP

Use the double-loop Velcro ties to split the cables into 2 channels.

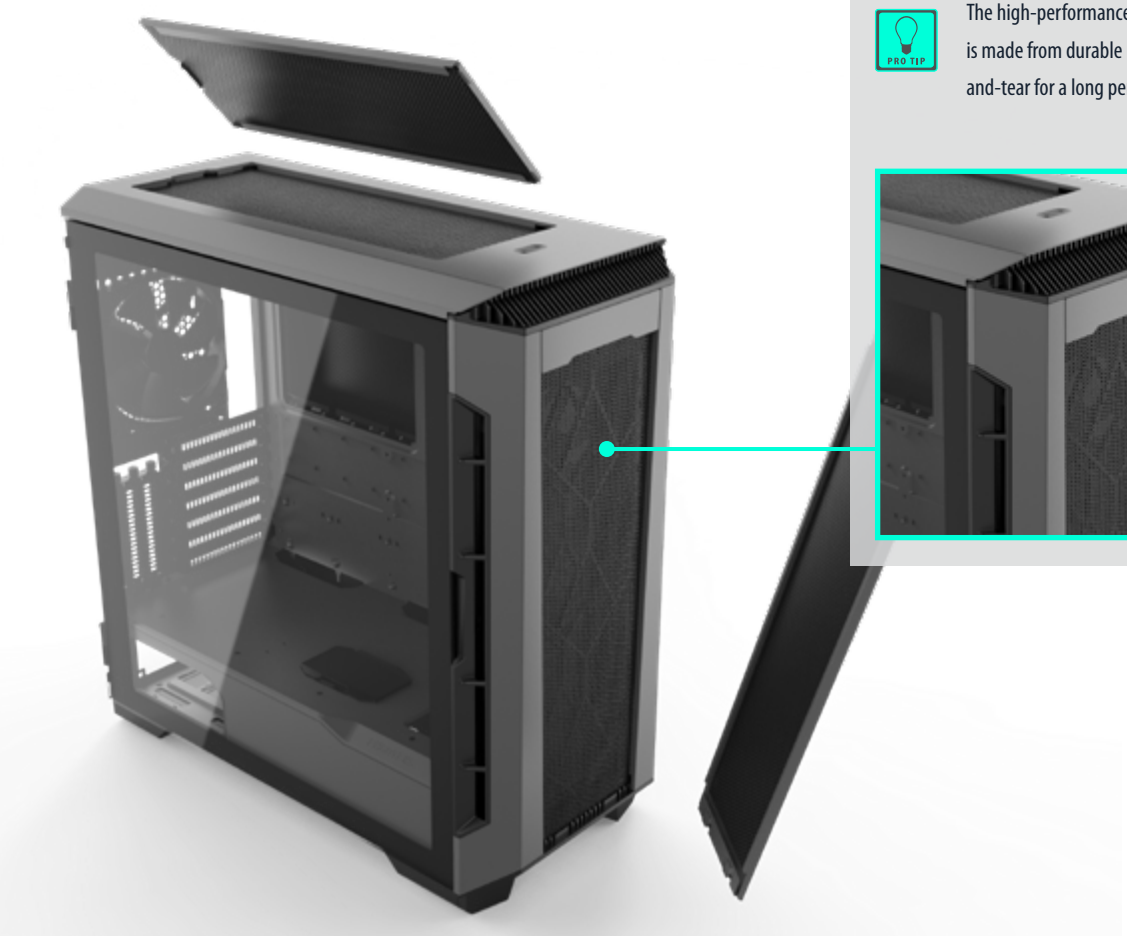
The P600S is equipped with a front and bottom PSU filter. We recommend to clean these filters every month to keep your cooling performance optimized.

PSU DUSTFILTER

FRONT DUSTFILTER

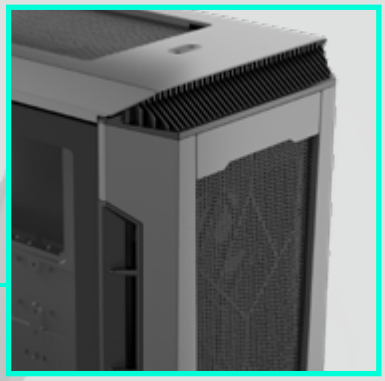
⚠ *If cleaning the dust filters with water, make sure to properly dry them before placing them back.*

The high-performance fabric on the front and top of the P600S acts as an extra dust filter and can be easily cleaned with a vacuum cleaner. There is no need to remove the panels from the case.



PRO TIP

The high-performance fabric from Phanteks is made from durable nylon to resist wear-and-tear for a long period of time.



3.5" STACKABLE HDD BRACKETS

PH-HDDKT_03

For 3.5" or 2.5" Drive
Upgrade up to 6x additional 3,5" HDDs with the optional HDD brackets.
Contains 2x Stackable HDD Brackets.
Page 15

HIGH STATIC PRESSURE MP FAN

PH-F120MP / PH-F140MP

More fans can be installed in the P600S and connected to the Universal Fan Hub.
Page 12

Y-SPLITTER CABLES

PH-CB-Y4P / PH-CB-Y3P

4-pin / 3-pin Fan splitters
Using splitter-cables you can install more than 8 fans to the Universal Fan Hub.
Page 13

CABLE EXTENSION SET

PH-CBCMB0

- Available in multiple colors
- Includes clear cable combs
- Also available as separate cables

Included cables:
- Motherboard 24-pin
- CPU 4+4-pin
- 2x GPU 6+2-pin

220mm Slimline PCI-e x16 Riser Cable 90° PH-CBRS_SL22

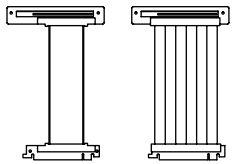
220mm Premium Shielded High Speed PCI-e x16 Riser Cable 90° PH-CBRS_PR22

220mm Flatline PCI-e x16 Riser Cable 90° PH-CBRS_FL22

With the optional Riser Cable you can place any 2-slot or 3-slot GPU vertically.*

Page 27

* For System 1 only.



Revolt X Power Supply PH-P1000PS / PH-P1200PS

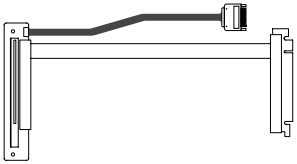
The Revolt X power supply unlocks the Dual System Configuration.
But also works great as a "single system" power supply.

Page 11

ITX Upgrade Kit PH-ITXKT_R01

The Streamer Kit contains an ITX bracket and a 600mm X1 Riser Cable. This allows for an ITX motherboard in the top of the chassis and a vertically placed PCI-e card.

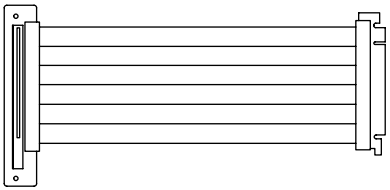
Page 28



600mm Premium Shielded High Speed PCI-E x16 Riser Cable 90° PH-CBRS_PR6

With the optional Riser Cable you can place any 2-slot or 3-slot GPU vertically for your 2nd ITX system. With 16 lanes and high quality shielding it maximizes any GPUs' performance.

Page 29

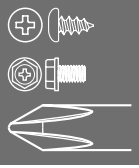


1. *INSTALL RISER CABLE WITH 2X RISER CABLE SCREWS*

Riser Cable sold separately
(PH-CBRS_SL22)

2 x

REQUIRES:



2. *INSTALL VERTICAL GPU MOUNT WITH 2X HEX SCREWS*

2 x

PRO TIP

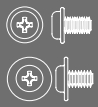
The GPU Mount has 2 mounting positions. Position A allows for better air cooling and 3-slot GPU cards.

1. *REMOVE THE TOP PANEL AND THE DUAL SYSTEM COVER FROM THE CHASSIS*

REMOVE:

2 x

REQUIRES:

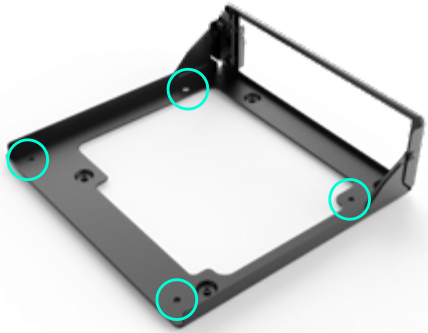


Screws are included in the kit.

2. *INSTALL YOUR ITX MOTHERBOARD ON THE BRACKET USING THE INCLUDED MOTHERBOARD SCREWS*

4 x

The Revolt X power supply from Phanteks is required for this configuration.

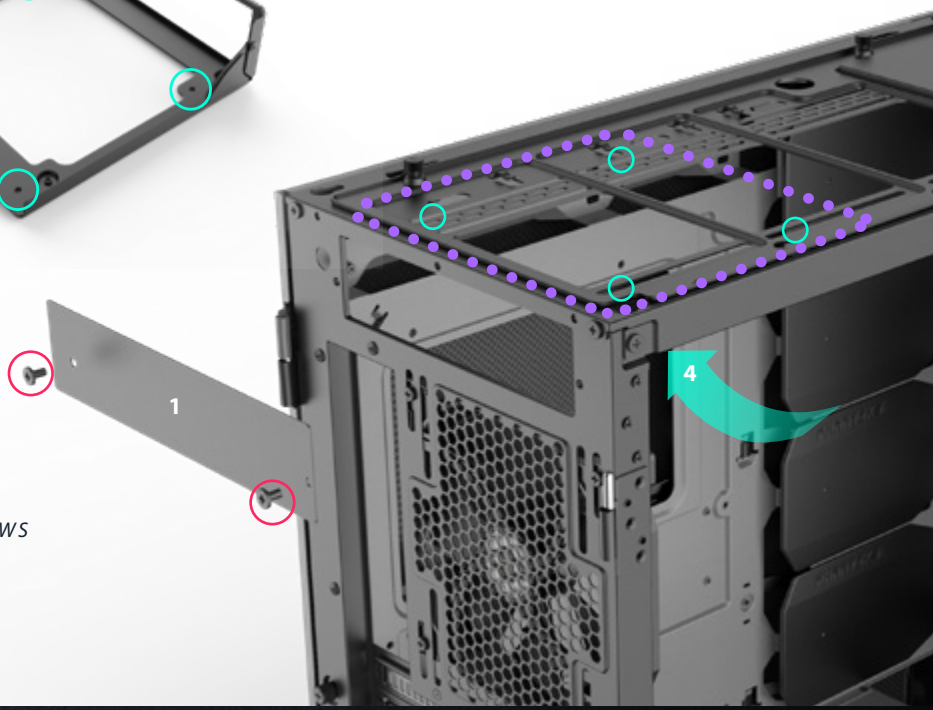


3. *CONNECT THE POWER SWITCH AND LED CABLE*

TO ITX MOTHERBOARD

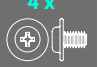
Power SW

Power LED



4. *INSTALL THE ITX BRACKET WITH 4X ITX BRACKET SCREWS*

4 x



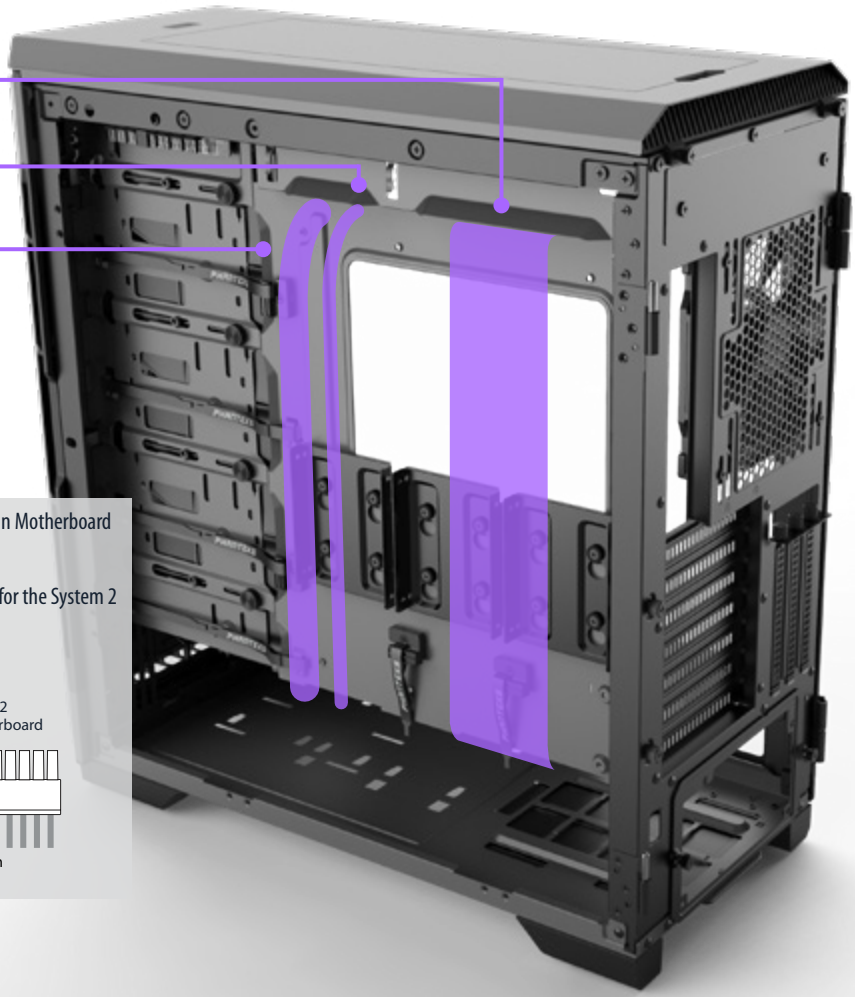
To minimize cable-clutter we recommend the following cable routing for the System 2 cables.

SYSTEM 2 CABLES

RISER CABLE

CPU CABLE

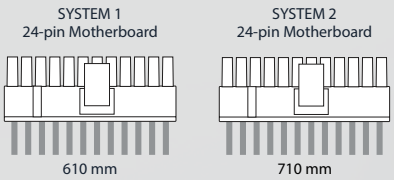
MOTHERBOARD CABLE



PRO TIP

The Revolt X includes 2 different 24-pin Motherboard cable lengths; 610mm and 710mm.

Use the longer, 710mm, 24-pin cable for the System 2 ITX motherboard.



1. *INSTALL RISER CABLE ON THE VERTICAL GPU MOUNT*

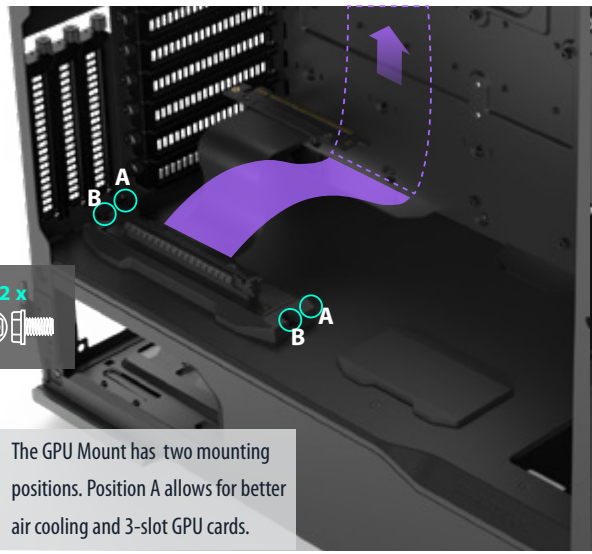
2 x

REQUIRES:

PRO TIP

Depending on your needs, it's not always necessary to install a GPU for your second system when your CPU is equipped with an integrated GPU.

2. *INSTALL VERTICAL GPU MOUNT WITH 2 X SCREWS*

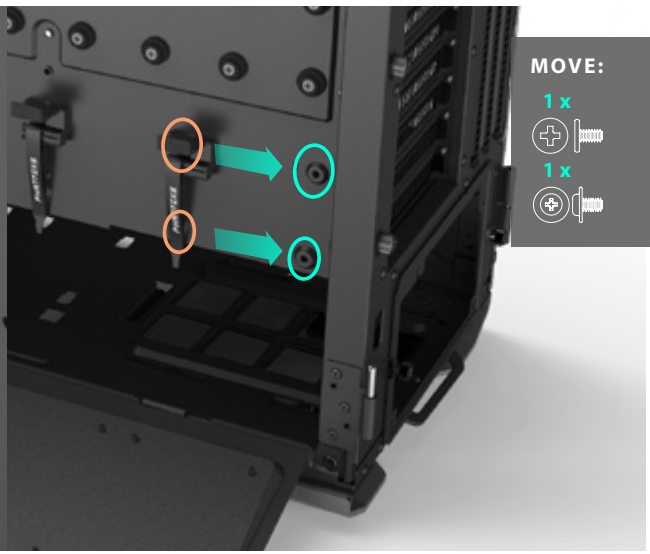


2 x

PRO TIP

The GPU Mount has two mounting positions. Position A allows for better air cooling and 3-slot GPU cards.

3. *MOVE VELCRO TIE*



MOVE:

1 x

1 x

4. *CONNECT SATA CABLE* (only for X1 Riser cable)

As a Phanteks customer, you are priority number one. We have a dedicated team of employees across the globe working hard every day to make sure we deliver the superior experience you deserve. We are here for you. If you have a question or a concern about our products, we have numerous ways you can reach us. Please choose one most convenient for you to connect with our team.

CUSTOMER CARE

RMA AND TECHNICAL SUPPORT INTERNATIONAL

Email : support@phanteks.com

Facebook : @Phanteks

RMA AND TECHNICAL SUPPORT AMERICAS

Hours : Monday-Friday 9:00-5:00 PST

Phone number : +1(909)598-2115

Email : support@phanteksusa.com

Facebook : @Phanteks

For up-to-date information please check www.Phanteks.com

Eclipse P600S
PRODUCT PAGE

PHANTEKS
FACEBOOK PAGE

PHANTEKS warrants its products to be free from defects in material and workmanship during the warranty period; when given normal, proper and intended usage. If a product proves to be defective in material or workmanship during the warranty period, PHANTEKS will, at its sole option, repair or replace the product with same product or similar product. The replacement product assumes the remaining warranty of the original product or 30 days, whichever provides longer coverage for the customer.

DURATION OF WARRANTY:

1. Fans - 5 years
2. I/O Ports - 2 years
3. Fan Hub -2 years
4. LED Lighting - 2 years
5. Buttons - 2 years
6. Chassis - 5 years
7. Front and Top Panels - 5 years

Please check www.phanteks.com/Warranty for more information.

PRATT&EKS

PHANTEKS