

THIS MANUAL IS FOR THE FOLLOWING MODELS

Dieses Handbuch gilt für die folgenden Modelle | Ce manuel concerne les modèles suivants | Este manual es para los siguientes modelos | 此手册适用于以下型号

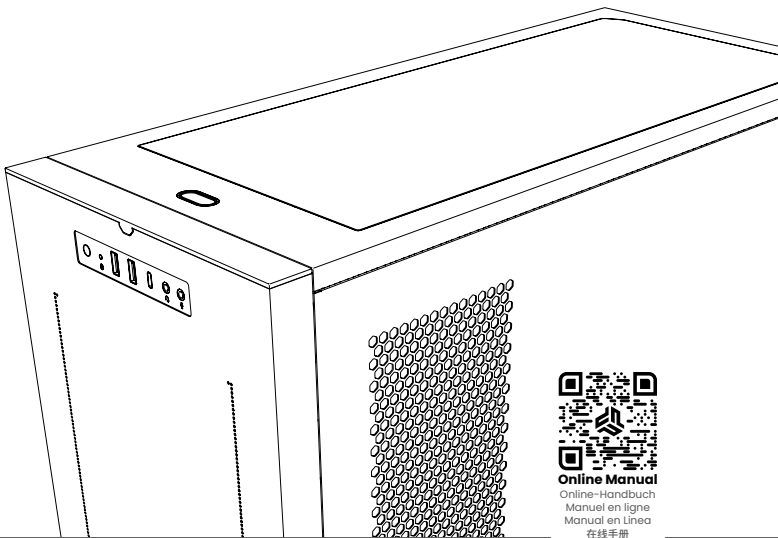
Model No.	Product	Color
PH-ES620PC_BK03	Enthoo Pro 2 Server V2	Black

LEGEND

Legende | Légende | Leyenda | 说明

- Remove | Entfernen | Retirer | Eliminar | 移除
- Install | Installieren | Installer | Instalar | 安装
- Loosen | Lösen | Desserrer | Aflojar | 拧松

EN	Phanteks will not take responsibility for any damages incurred due to incorrect installation or usage of this product.
DE	Phanteks übernimmt keine Verantwortung für Schäden, die durch eine falsche Installation oder Verwendung dieses Produkts entstehen.
FR	Phanteks décline toute responsabilité en cas de dommages résultant d'une installation ou d'une utilisation incorrecte de ce produit.
ES	Phanteks no se responsabilizará de los daños ocasionados por la instalación o el uso incorrectos de este producto.
CN	Phanteks 不承担因安装失误造成的损失, 请仔细阅读本手册。



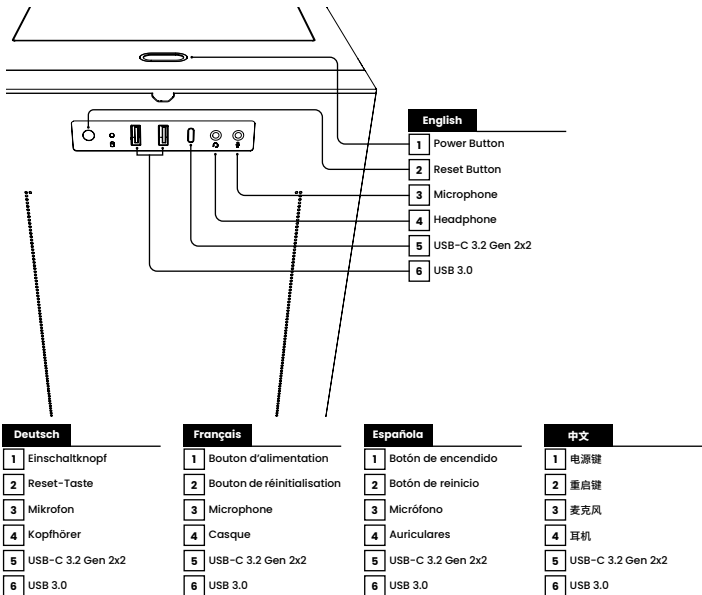
SCOPE OF DELIVERY

Lieferumfang | Contenu de la livraison | Alcance de la entrega | 配件清单

	SSD Mainboard Screw x38		Mainboard Stand-off x3
	Power Supply Screw x7		Stand-off Removal Tool x1
	Fan Screw x8		Ziptie x6
	HDD Screw x16		GPU Support Bracket x4
	HDD Cage Screw x10		360-Fan Bracket x1
	2.5" Storage Bracket Pre-installed x3		Server PSU Bracket x1
	3.5" Storage Bracket x4		Enthoo Pro 2 Server V2 Full Size x1

FRONT IO

Front Ein- / Ausgang | Entrée-Sortie avant | Delantero de entrada y salida | 前置I/O



CLEARANCE

Spielraum | Autorisation | Autorización | 空间

Fans Fans Ventilateurs Ventiladores 风扇							
	Top Spitze Haut Arriba 顶部	Front Vorderseite Devant Delantero 正面	Bottom Unterseite Bas Abajo 底部	Rear Rückseite Arrière Trasera 后面	Side Seite Côté Lateral 侧面	Side Bracket [Optional] Seitenhalterung Support latéral Soporte lateral 侧面支架	Center Bracket [Optional] Mittelhalterung Support central Soporte central 中部支架
120	3x	4x	-	1x	4x	3x	3x
140	3x	3x	-	-	-	-	-

Radiator Kühler Radiateur Radiador 水冷排							
120	max. 360	max. 480	-	max. 120	-	max. 480	-
140	max. 280	max. 420	-	-	-	-	-

Clearance | Spielraum | Autorisation | Autorización | 空间

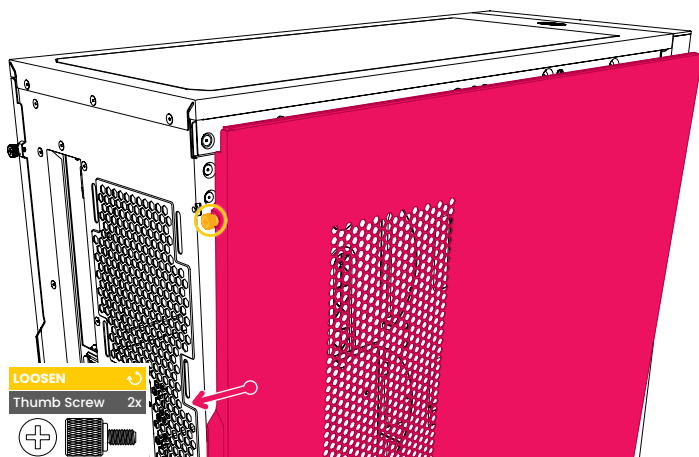
CPU Cooler Height Höhe Hauteur Altura 高	195 mm 7.7 in	Top Radiator Length x Width x Height Länge x Breite x Höhe Longueur x Ancho x Hauteur Longitud x Ancho x Altura 长 x 宽 x 高	120 x 475 x 55 mm 4.72 x 18.70 x 2.16 in
GPU Length Länge Longueur Longitud 长	503 mm 19.95 in	Right Side Radiator Length x Width x Height Länge x Breite x Höhe Longueur x Ancho x Hauteur Longitud x Ancho x Altura 长 x 宽 x 高	134 x 525 x 35 mm 5.27 x 20.66 x 1.37 in

1 PANEL REMOVAL

Ausbau des Panels | Retrait du panneau | Eliminación de paneles | 移除面板

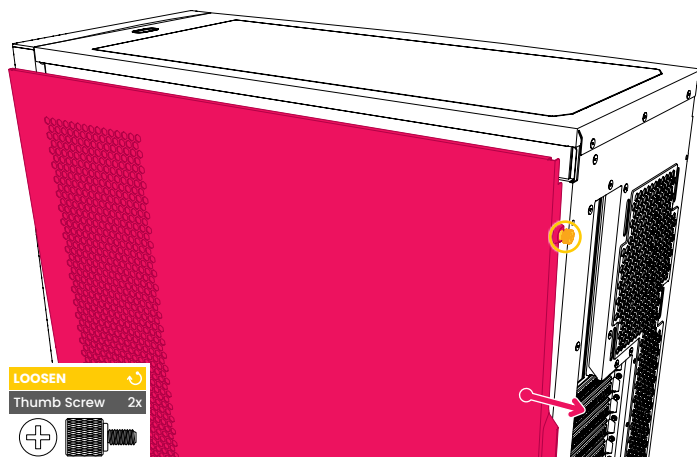
1 Left Side Panel

Linke Seitenwand | Panneau latéral gauche | Panel lateral izquierdo | 左侧面板



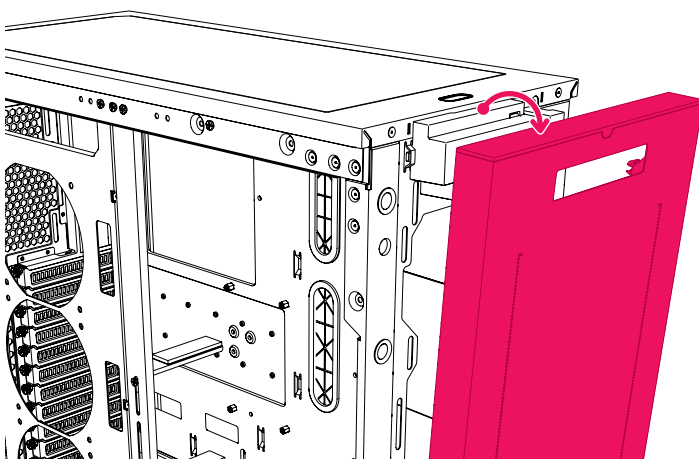
2 Right Side Panel

Rechtes Seitenteil | Panneau latéral droit | Panel lateral derecho | 右侧面板



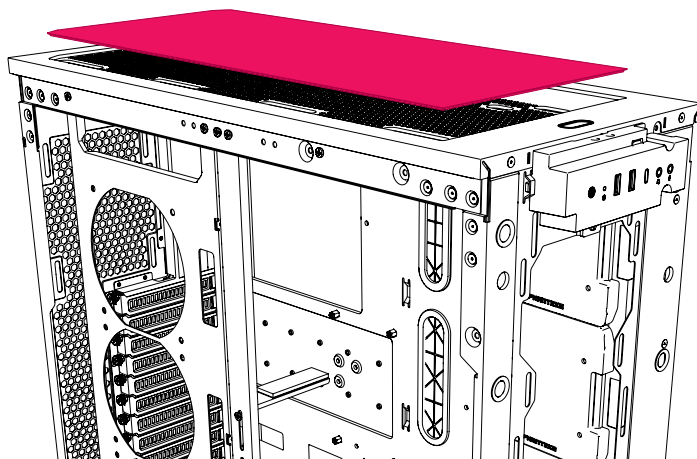
3 Front Panel

Frontblende | Panneau avant | Panel frontal | 前面板



4 Top Dust Filter

Oberer Staubfilter | Filtre à poussière supérieur | Filtro de polvo superior | 顶部防尘网

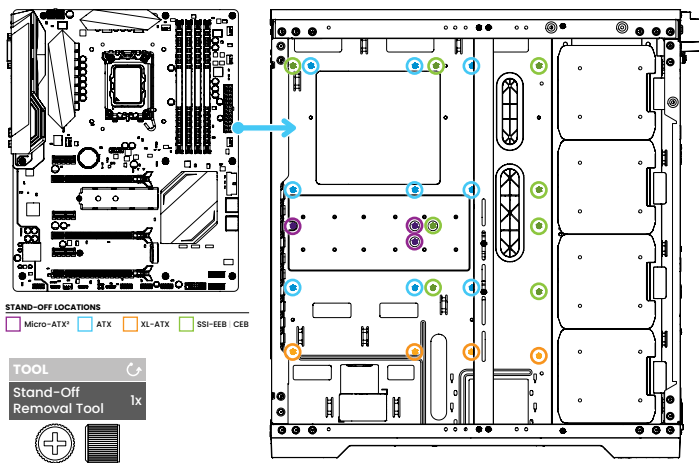


2 HARDWARE INSTALLATION

Hardware-Installation | Installation du matériel | Instalación de hardware | 硬件安装

1 Mainboard

Mainboard | Carte mère | Placa base | 主板

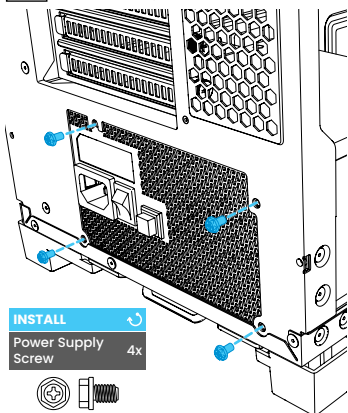


2 Power Supply

Stromversorgung | Source de courant | Fuente de alimentación | 电源

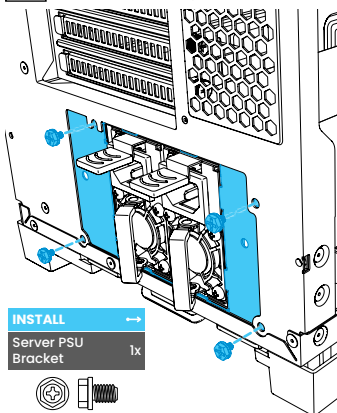
A ATX POWER SUPPLY

ATX-Netzteil | Alimentation ATX | Fuente de alimentación ATX / ATX 电源



B SERVER POWER SUPPLY

Server-Netzteil | Alimentation serveur | Fuente de alimentación de servidor | 服务器电源

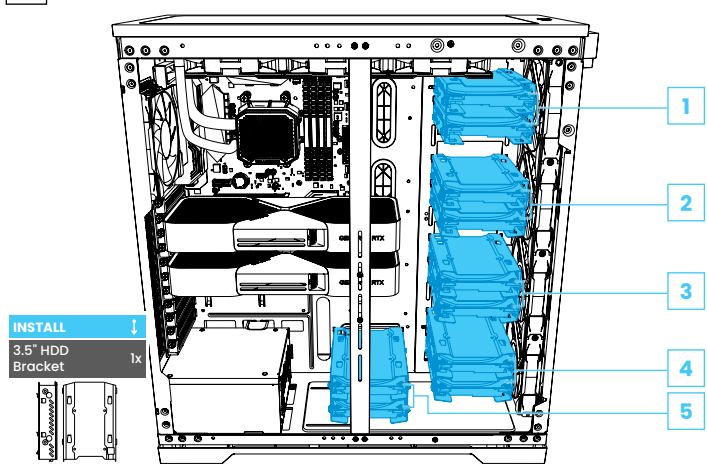


3 Side Storage Brackets

Seitliche Speicherhalterungen | Supports de stockage latéraux | Soportes de almacenamiento laterales | 侧面硬盘支架

A 3.5" HDD

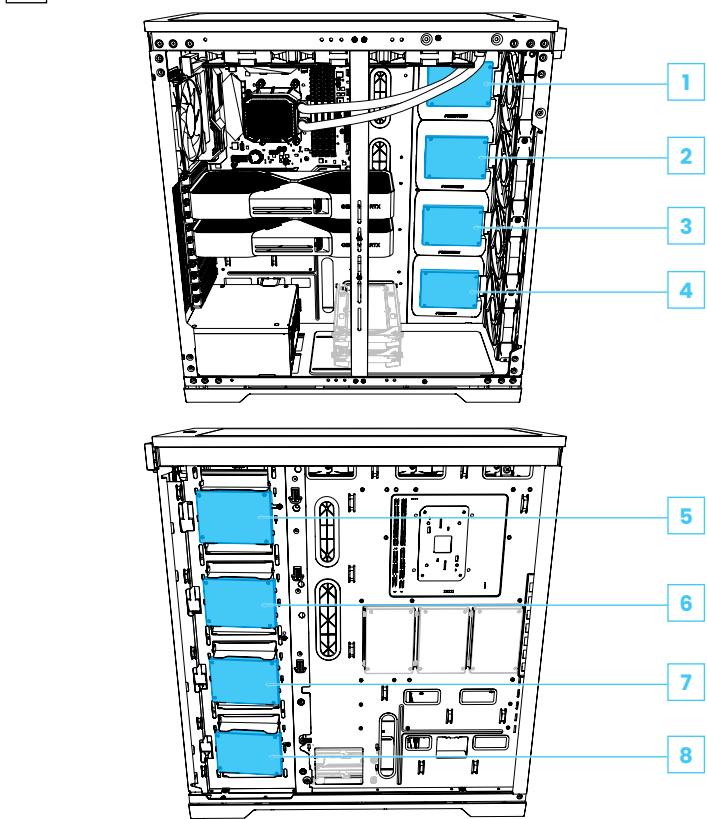
3.5"-HDD | Disque dur 3.5" | HDD de 3.5" | 3.5" 硬盘



The AIO can only be mounted on the left side when using the top 3.5" HDD bracket. | Die AIO kann nur auf der linken Seite montiert werden, wenn die obere 3.5"-HDD-Halterung verwendet wird. | L'AIO ne peut être montée que sur le côté gauche lors de l'utilisation du support HDD supérieur 3.5". | La AIO solo se puede montar en el lado izquierdo cuando se usa el soporte superior para HDD de 3.5". | 当使用顶部 3.5" 硬盘支架时，一体式水冷只能安装在左侧。

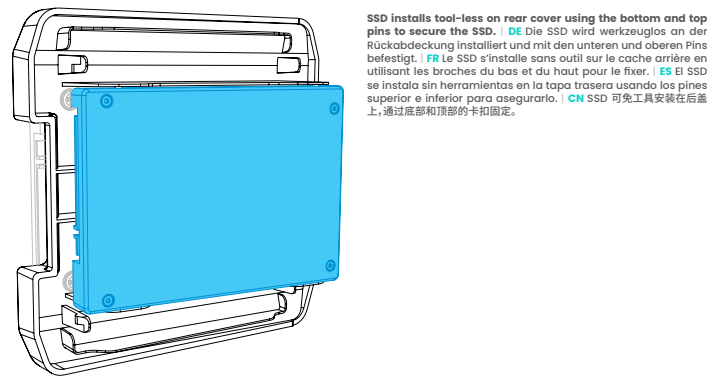
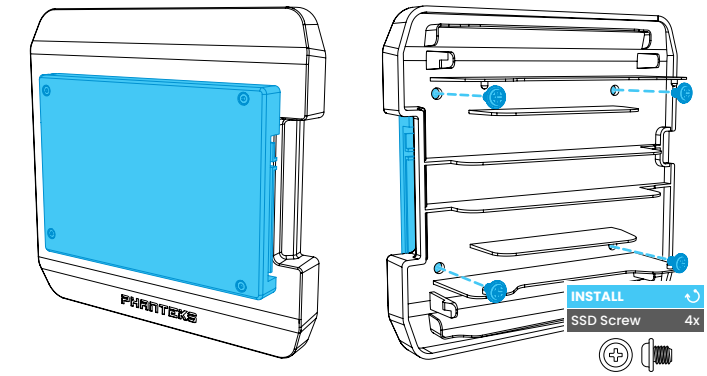
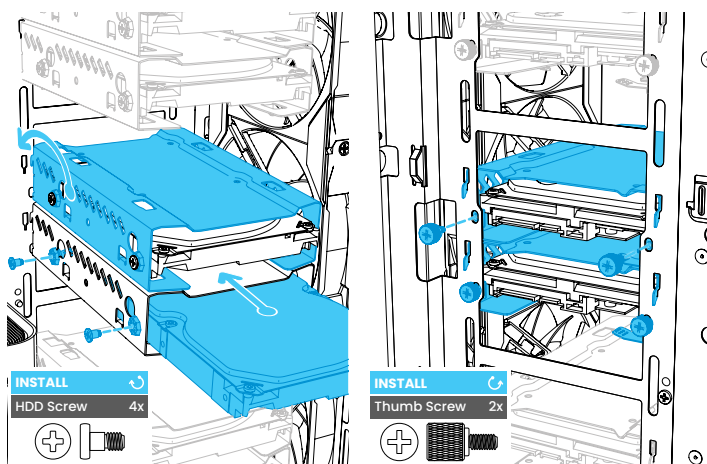
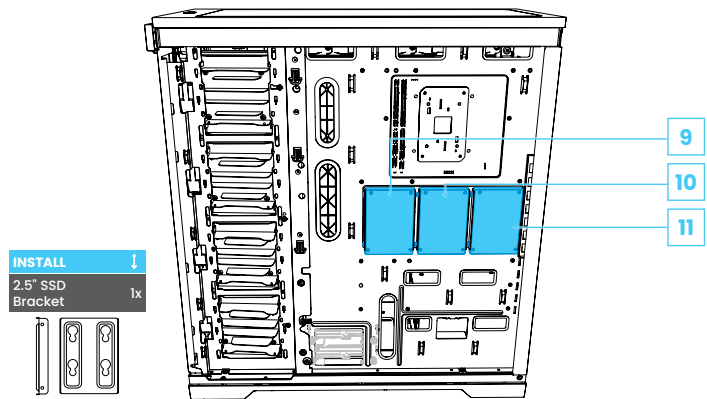
B 2.5" SSD

2.5"-SSD | SSD 2.5" | SSD de 2.5" | 2.5" 固态硬盘



4 Rear 2.5" Storage Bracket

Hintere 2.5"-Speicherhalterung | Support de stockage arrière 2.5" | Soporte de almacenamiento trasero de 2.5" | 后部 2.5" 硬盘支架



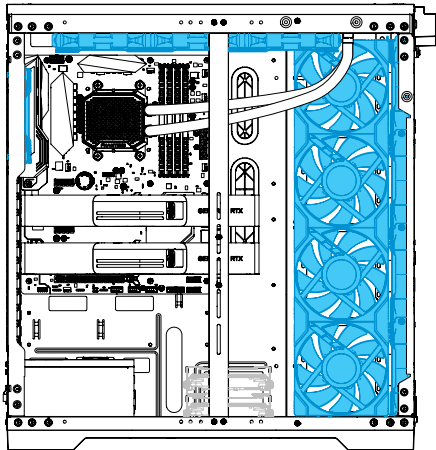
SSD installs tool-less on rear cover using the bottom and top pins to secure the SSD. | **DE** Die SSD wird werkzeugs an der Rückabdeckung installiert und mit den unteren und oberen Pins befestigt. | **FR** Le SSD s'installe sans outil sur le cache arrière en utilisant les broches du bas et du haut pour le fixer. | **ES** El SSD se instala sin herramientas en la tapa trasera usando los pines superior e inferior para asegurarlo. | **CN** SSD 可免工具安装在后盖上，通过底部和顶部的卡扣固定。

3 FANS INSTALLATION

Lüfterinstallation | Installation des ventilateurs | Instalación de ventiladores | 风扇安装

Standard Fan Positions

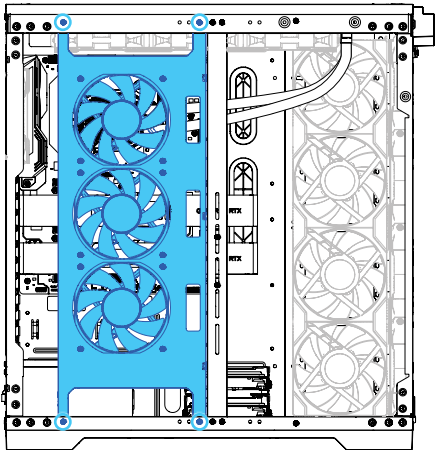
Standard-Lüfterpositionen | Positions de ventilateurs standard | Posiciones estándar de ventiladores | 标准风扇位



Supports up to 12x120 mm fans total, with the top supporting either 3x 120 mm or 3x 140 mm. | **DE** Unterstützt insgesamt bis zu 12x 120-mm-Lüfter, oben entweder 3x 120 mm oder 3x 140 mm. | **FR** Prend en charge jusqu'à 12x ventilateurs de 120 mm au total, avec en haut 3x 120 mm ou 3x 140 mm. | **ES** Admite hasta 12x ventiladores de 120 mm en total, con la parte superior admitiendo 3x 120 mm o 3x 140 mm. | **CN** 总共可装12x120mm风扇,顶部可装3x120mm或3x140mm风扇

A 360-Fan Bracket Side Position

360-Lüfterhalterung Seitenposition | Support ventilateur 360 position latérale | Soporte de ventilador 360 posición lateral | 360 风扇支架侧面位置



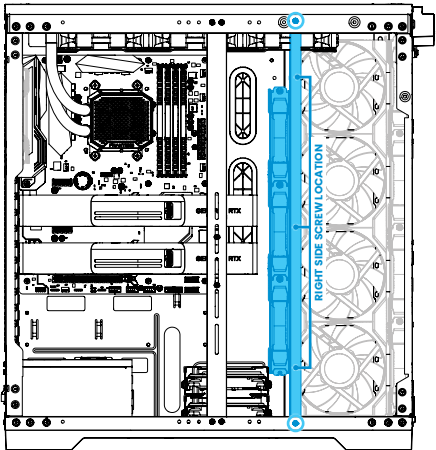
INSTALL 
Bracket Screw 4x



3x 120 mm fans provides direct side airflow to the GPU and CPU area for optimal cooling. | **DE** 3x 120-mm-Lüfter sorgen für direkten seitlichen Luftstrom zum GPU- und CPU-Bereich für optimale Kühlung. | **FR** 3x 120 mm ventilateurs offrent un flux d'air latéral direct vers la zone GPU et CPU pour un refroidissement optimal. | **ES** 3x 120 mm ventiladores proporcionan un flujo de aire lateral directo a la zona de la GPU y la CPU para una refrigeración óptima. | **CN** 侧面360 风扇支架位 3x120mm 风扇直吹GPU和CPU, 更高效散热。

B 360-Fan Bracket Center Position

360-Lüfterhalterung Mittelposition | Support ventilateur 360 position centrale | Soporte de ventilador 360 posición central | 360 风扇支架中部位置



INSTALL 
Bracket Screw 5x

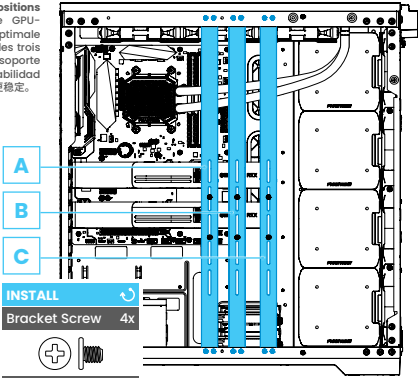


Center installation delivers focused airflow through the center of the chassis to reduce hotspots. | **DE** Die zentrale Installation sorgt für gerichtetem Luftstrom durch die Mitte des Gehäuses, um Hotspots zu reduzieren. | **FR** L'installation centrale génère un flux d'air ciblé au centre du châssis afin de réduire les points chauds. | **ES** La instalación central proporciona un flujo de aire concentrado a través del centro del chasis para reducir los puntos calientes. | **CN** 中部360 风扇支架位 中部安装可集中气流引入机箱中心给热点散热。

GPU SUPPORT BRACKET

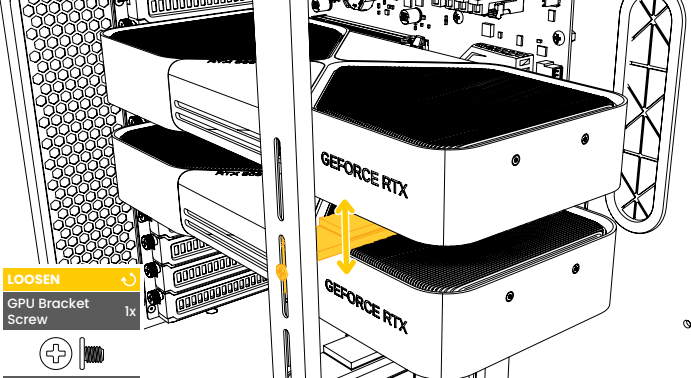
Kabel | Cables | Cabos | 显卡支撑架

Install the GPU support bracket in one of three positions for optimal stability. | **DE** Installieren Sie die GPU-Stützhalterung in einer von drei Positionen für optimale Stabilität. | **FR** Installez le support GPU dans l'une des trois positions pour une stabilité optimale. | **ES** Instale el soporte de GPU en una de las tres posiciones para una estabilidad óptima. | **CN** 将显卡支撑架安装在三个位置之一, 让显卡更稳定。



A
B
C

INSTALL 
Bracket Screw 4x

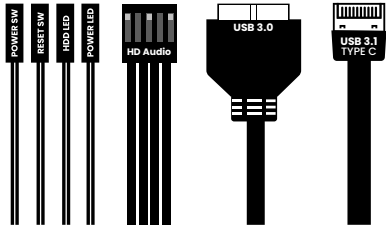


LOOSEN 
GPU Bracket Screw 1x



CABLES

Kabel | Cables | Cabos | 机箱线材



SAFETY INFORMATION

Sicherheitsinformation | Information de sécurité | Información de seguridad | 安規信息

In order to achieve maximum safety, we suggest that you adopt the following guidelines:

1. Place the product on a clean and stable surface that allows adequate air ventilation.
2. Don't use or place the product and any of its components near water, moisture, or other wet surfaces; or place the product near any heat, open flame, or other hot surfaces such as radiators, stoves, fireplaces, and candles.
3. Use caution when operating the desktop PC to avoid electrical shock or damage, such as unplugging the power supply during thunderstorms, ensuring that your hands are dry before using (and handling) the desktop PC, keeping it away from any source of liquid and/or heat source, and using all other reasonable precautions needed under the circumstances.
4. When connecting external devices to your desktop PC, carefully plan how the wires will be placed. Protect any connected cables from being trod on or pinched, particularly at plugs, convenience receptacles, or the point where they exit from.
5. Take extra caution when handling/removing/reattaching glass components. Once removed, place the glass component on a stable surface first before proceeding.
6. When unplugging any connected devices and/or cables, always pull the cable or device's plug or connector. Don't forcefully tug on its cord.
7. Don't place any heavy items on top of the product.
8. Make sure that the desktop PC is off, unplugged from the outlet, and that all connected devices are powered off and unplugged (if any) before installing or uninstalling any internal component to and/or from the desktop PC or product.

NOTE ON DISPOSAL



The WEEE symbol indicates that this product must not be disposed of with normal household waste. Through the correct disposal of this product, you will help protect the environment. For more information on the disposal of this product, please contact your local municipality, your waste disposal service or the shop where you purchased the product.



FR
Cet appareil se recycle

REPRISE
À LA LIVRAISON

À DÉPOSER
EN MAGASIN

À DÉPOSER
EN DÉCHÈTERIE

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