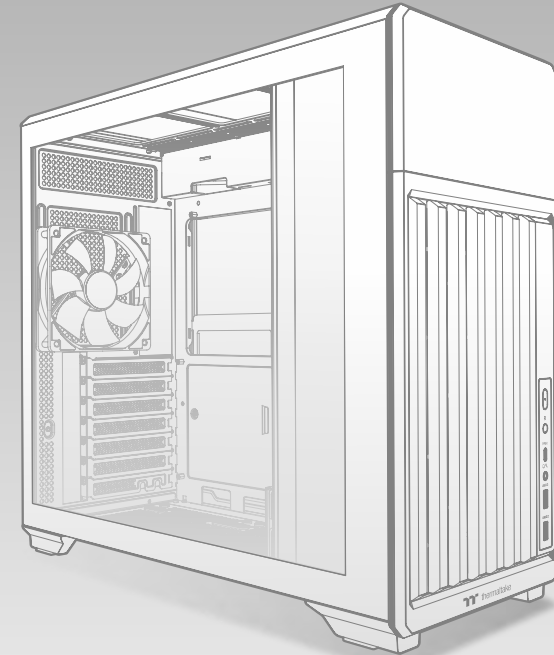




TR 300 WS

User's Manual
Benutzerhandbuch
Mode d'emploi
Manual del usuario
Manuale dell'utente
Manual do Utilizador

安裝說明書
用戶手冊
ユーザーズマニュアル
Руководство пользователя
kullanıcı elkitabı
(EEE Yönetmeliğine Uygundur)
คู่มือการใส่



© 2026 Thermaltake Technology Co., Ltd. All Rights Reserved. 2026.01
All other registered trademarks belong to their respective companies. www.thermaltake.com



TT Premium



TT Premium

To continue achieving the corporate mission of delivering the perfect user experience, Thermaltake developed "TT Premium" with the essence of combining supreme quality products with a new logo design. TT Premium is far more than just a guarantee of quality. Behind the name, it represents the passion in DIY, Modding and Thermaltake's desire to be the most innovative brand in the PC hardware market. To satisfy the demand of the high-end PC users, TT Premium follows its core values of Excellent Quality, Unique Design, Diverse Combinations and Boundless Creativity to provide a high performance PC product for every enthusiast. <http://tttpremium.com>

Tt LCS-Liquid Cooling Support Certification



Tt LCS Certified is a Thermaltake exclusive certification applied to only products that pass the design and hardcore enthusiasts standards that a true LCS chassis should be held to. The Tt LCS certification was created so that we at Thermaltake can designate to all power users which chassis have been tested to be best compatible with extreme liquid cooling configurations to ensure you get the best performance from the best features and fitment.

Join Tt Community To Receive Benefits



Dear Valued Customer,
Thank you for choosing Thermaltake.
As a new user we value your thoughts and opinions and your feedback is important to us. We at Thermaltake would like to use this opportunity to invite you to join our Community Forums. Register today to start enjoying the full benefits of our community.



Benefits of being a member:

- Quick and responsive user support
- Receive help and advice with new builds
- Keep up to date with new product releases
- Share your thoughts and builds with the community
- Enter monthly contests and giveaways

Brand official website
<http://www.thermaltake.com/>

Global Facebook
<https://www.facebook.com/ThermaltakeInc>

Taiwan Facebook
<http://www.facebook.com/ThermaltakeTW>

Global community forums
<http://community.thermaltake.com>

CONTENTS

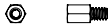
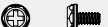
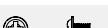
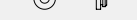
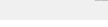
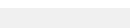
Chapter 1. Product Introduction

1.0	Specification	01
1.1	Accessory	02
1.2	Dimension & Clearance	03

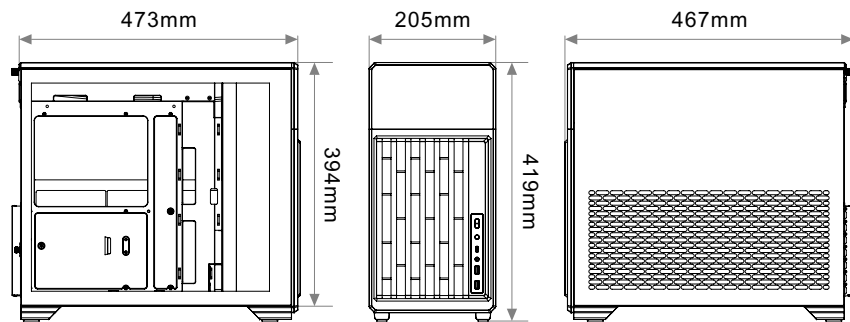
Chapter 2. Installation Guide

2.0	Remove Panels	09
2.1	Power Supply Unit (PSU) Installation	10
2.2	Motherboard Installation	11
2.3	HDD Installation	13
2.4	VGA Installation	14
2.5	Air Cooling Installation	15
2.6	AIO Liquid Cooling Installation	16
2.7	I/O Connection	17
2.8	Remove Filters	18

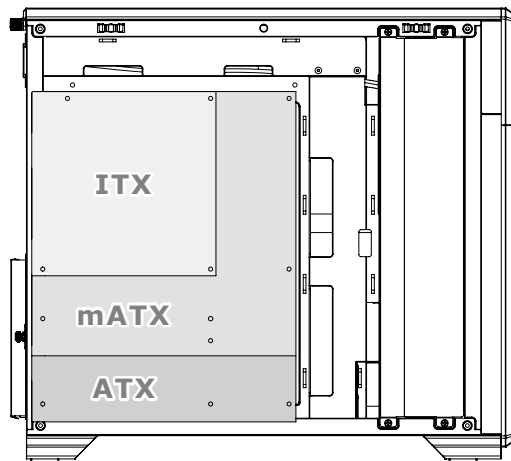
Case Type	Mid Tower		
Dimension (H*W*D)	419 x 205 x 467 mm (16.5 x 8.07 x 18.39 inch)		
Panel	3 mm Tempered Glass x 1		
Material	SPCC		
Cooling System	Rear(exhaust): 120 x 120 x 25 mm Standard Fan (1400rpm, 23.2 dBA) x 1		
Drive Bays	2 x 3.5" + 3 x 2.5"		
Expansion Slots	7		
Motherboards	6.7" x 6.7" (Mini ITX), 9.6" x 9.6" (Micro ATX), 12" x 9.6" (ATX)		
I/O Port	USB 3.2 (Gen 2) Type-C x 1, USB 3.0 x 2, HD Audio x 1		
PSU	Standard PS2 PSU (optional)		
Fan Support	Front	1 x 120 mm	
	Top	3 x 120 mm, 2 x 120 mm, 1 x 120 mm	2 x 140 mm, 1 x 140 mm
	Rear	1 x 120 mm	
	Bottom	3 x 120 mm, 2 x 120 mm, 1 x 120 mm	2 x 140 mm, 1 x 140 mm
Radiator Support	Top (AIO)	1 x 360 mm, 1 x 240 mm, 1 x 120 mm	1 x 280 mm, 1 x 140 mm
	Rear (AIO)	1 x 120 mm	
Clearances	CPU cooler height limitation	165 mm	
	VGA length limitation	410 mm (PSU length ≤ 160 mm)	
	PSU length limitation	260 mm (VGA length < 325 mm), 160 mm (VGA length > 325 mm)	

Figure	Part Name	Q'ty	Use For
	Screw-off #6-32 x 6.5 mm	3	Motherboard
	Screw #6-32 x 6 mm	4	Power Supply
	Screw #6-32 x 5 mm	3	Power Supply / Front Panel & Power
	Screw M3 x 5 mm	23	Motherboard / 2.5" SSD
	Screw #6-32 x 11 mm	8	3.5" HDD
	Rubber HDD	8	3.5" HDD
	Zip Ties	10	Cable Management
	Buzzer	1	Motherboard Alarm
	Nut Setter	1	Stand-off Installation
	Side Plate Clip	2	Side Panel
	Velcro-1 meter	1	Cable Management
	Front Panel	1	LCD Display

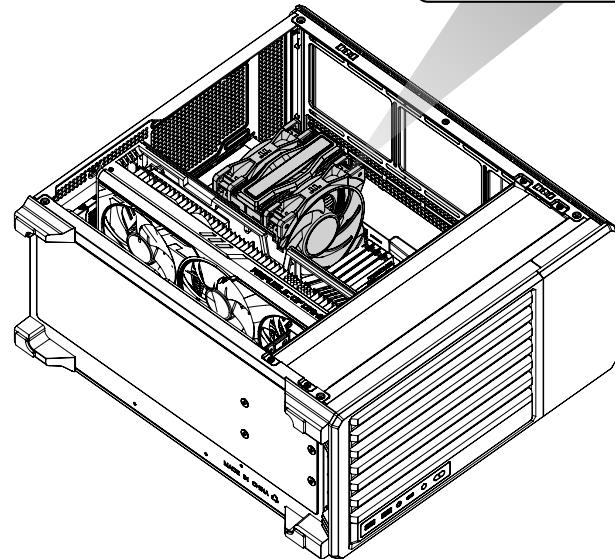
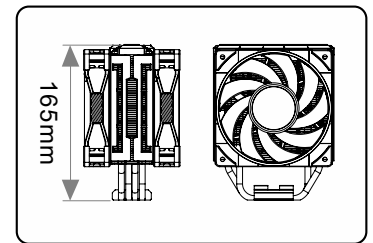
Chassis dimension



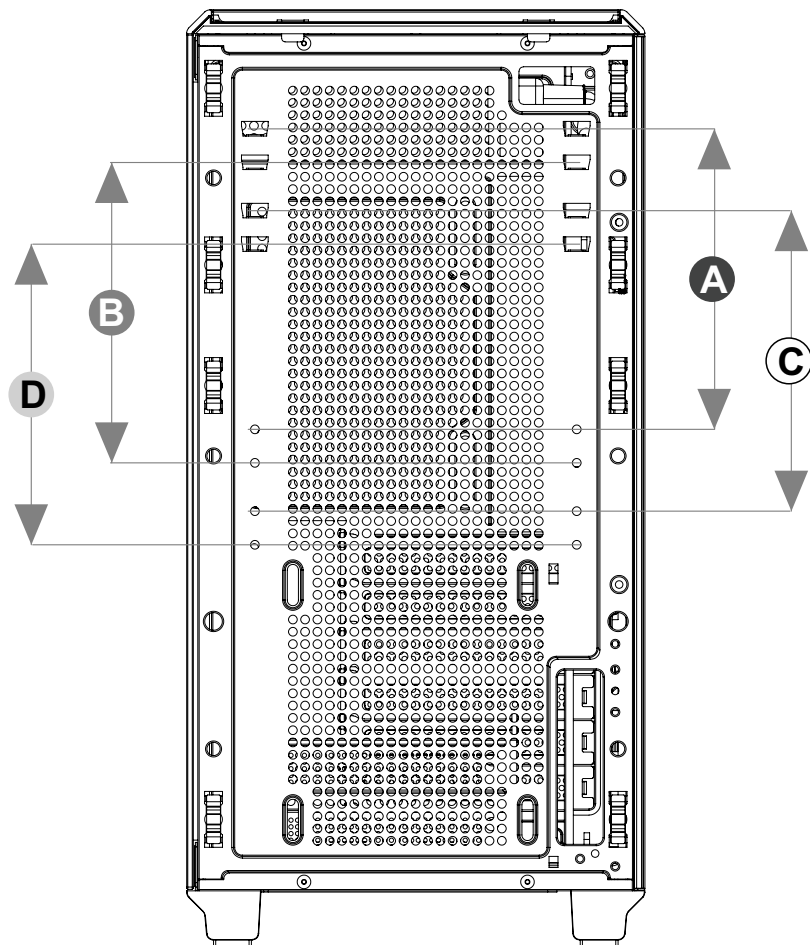
Motherboard compatibility: ITX / mATX / ATX



CPU cooler max height: 165mm



Power supply rack with 4 position adjustments: A to D

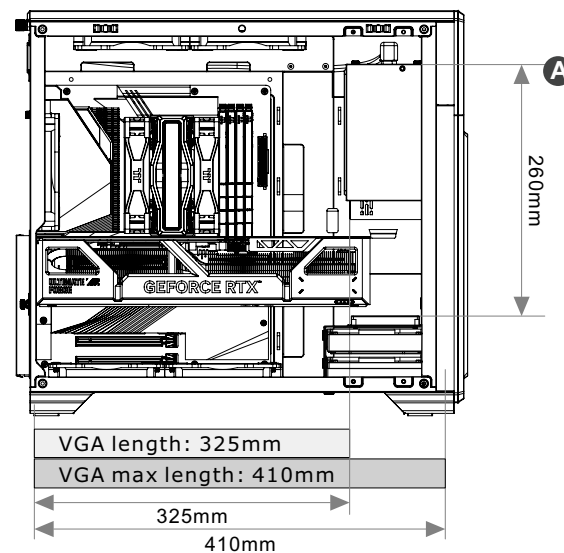


VGA length limitation: 410mm (PSU length ≤ 160mm)

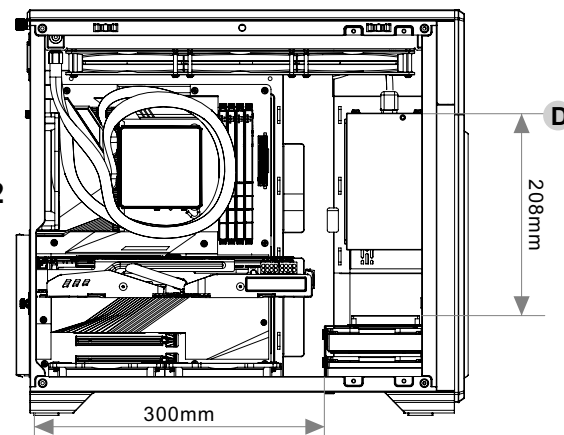
PSU length limitation: 260mm (VGA length < 325mm)

160mm (VGA length > 325mm)

PCIe Slot 1



PCIe Slot 2



The following picture shows two scenarios of the case building:

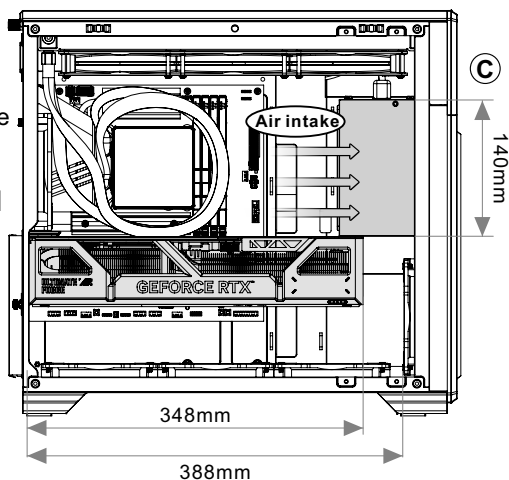
• Picture one:

PSU: 140 mm length

GPU: installed in PCIe Slot1

HDD cage: without HDD cage

PCIe Slot 1



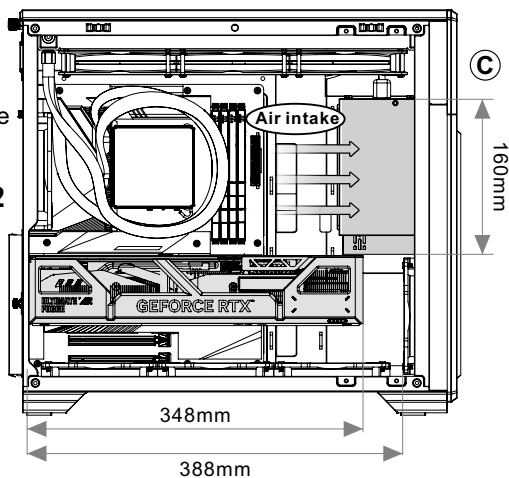
• Picture two:

PSU: 160 mm length

GPU: installed in PCIe Slot2

HDD cage: without HDD cage

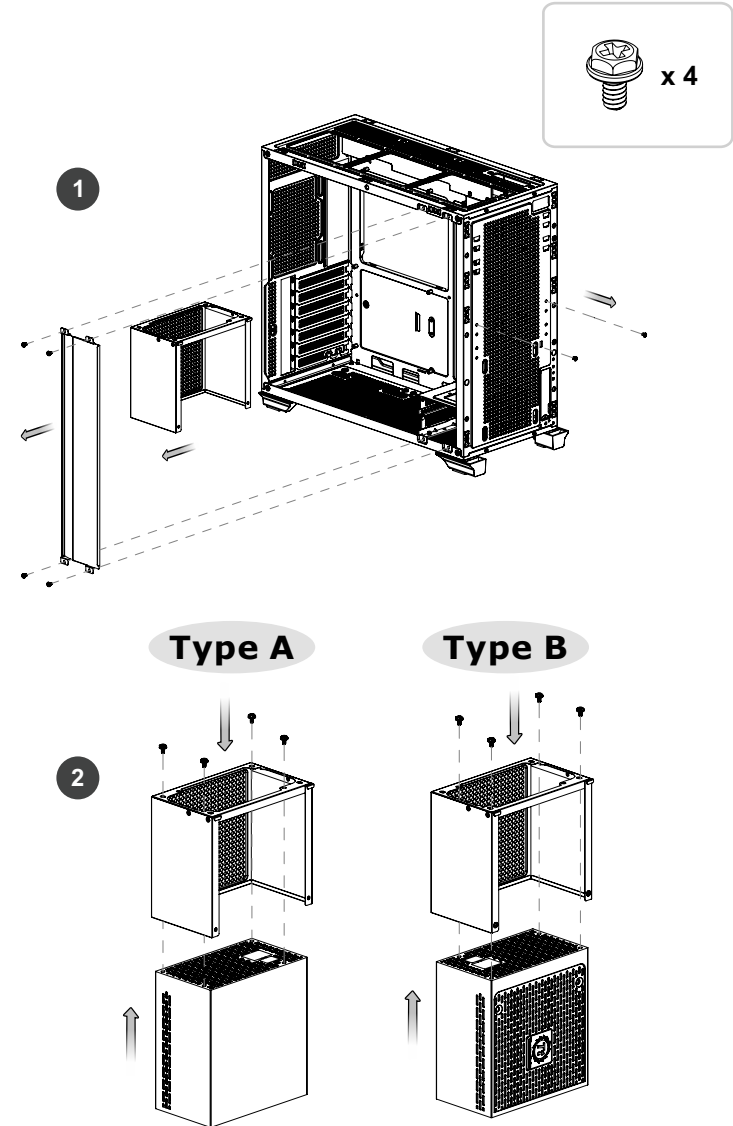
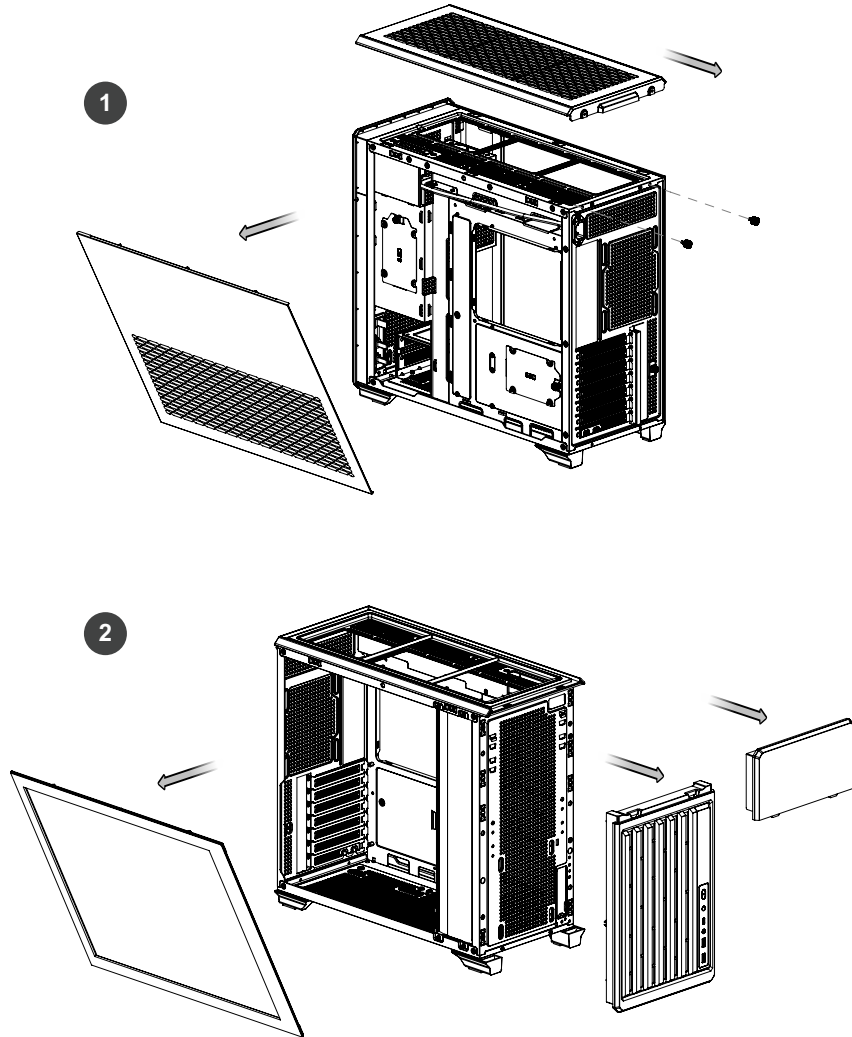
PCIe Slot 2

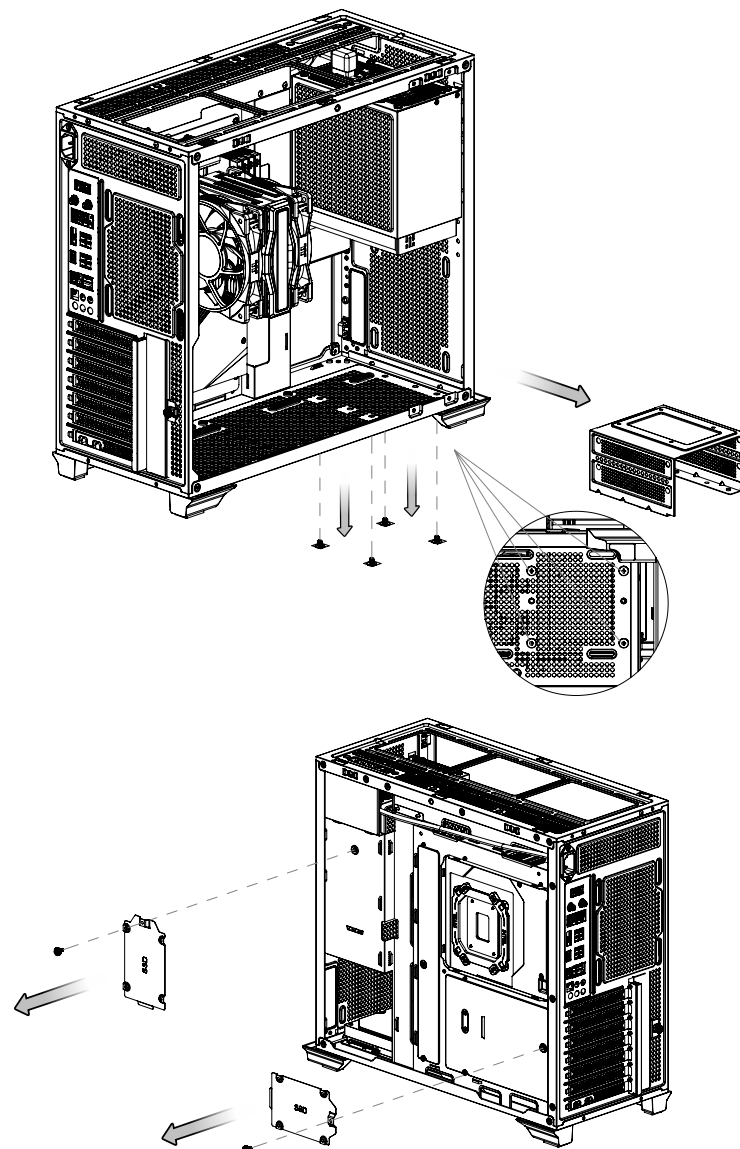
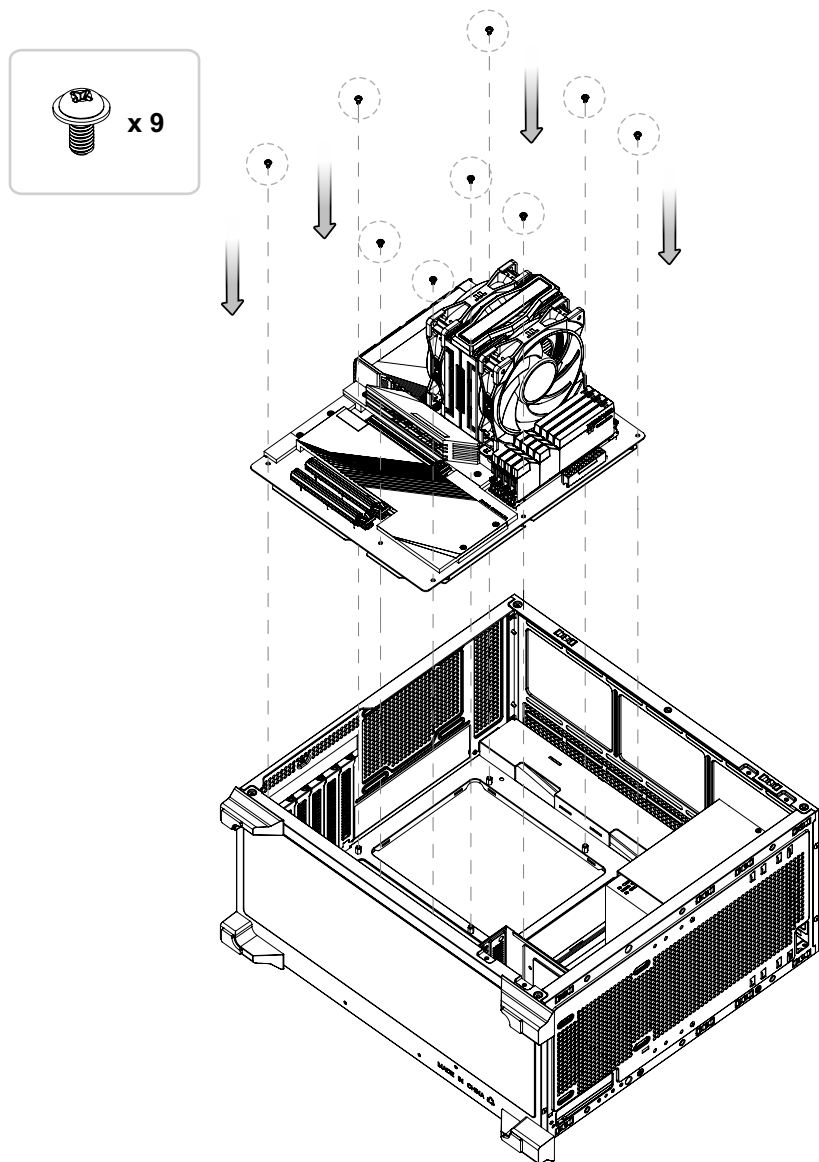


PSU / AIO / VGA Installation Compatibility Comparison Table

VGA installed in PCIe Slot 1					
PSU Dimension		≤14cm	15cm	16cm	≥18cm
AIO Configuration					
240/280 AIO	PSU suitable position	A	A	A	A
	VGA length limitation	410mm	340~358mm	340~358mm	325mm
360 AIO	PSU suitable position	C	C	C	C
	VGA length limitation	340~358mm	325mm	325mm	325mm

VGA installed in PCIe Slot 2					
PSU Dimension		≤14cm	15cm	16cm	<18cm
AIO Configuration					
240/280 AIO	PSU suitable position	A	A	A	A
	VGA length limitation	410mm	410mm	410mm	340~358mm
360 AIO	PSU suitable position	C or D	C	C	C
	VGA length limitation	340~358mm	340~358mm	340~358mm	325mm

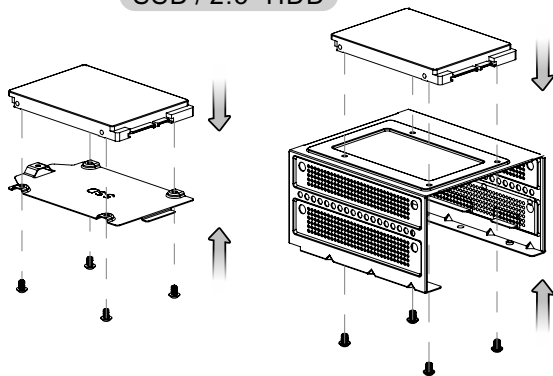




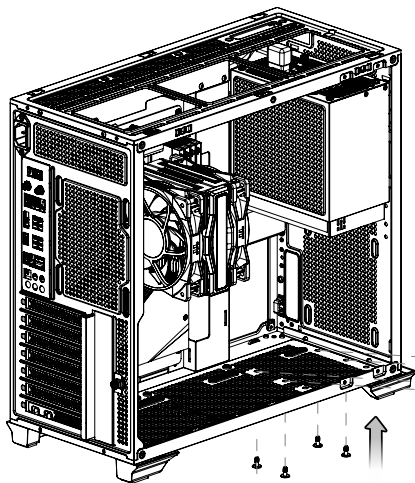
SSD / 2.5" HDD



x 4



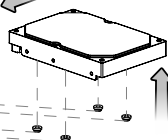
3.5" HDD



Type A



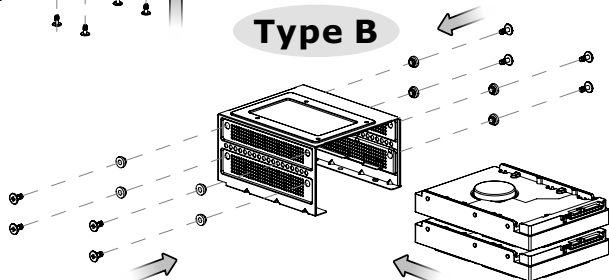
x 4



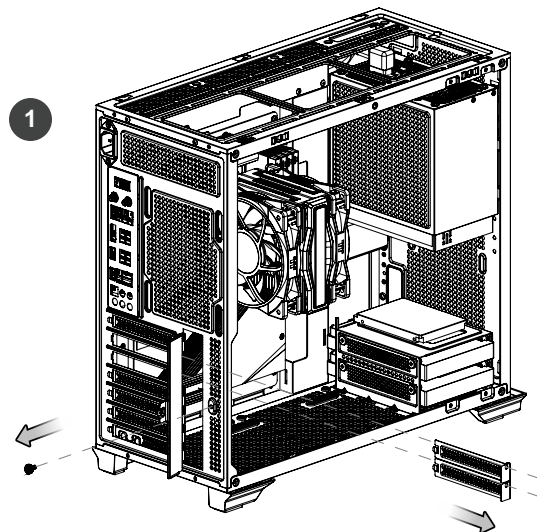
Type B



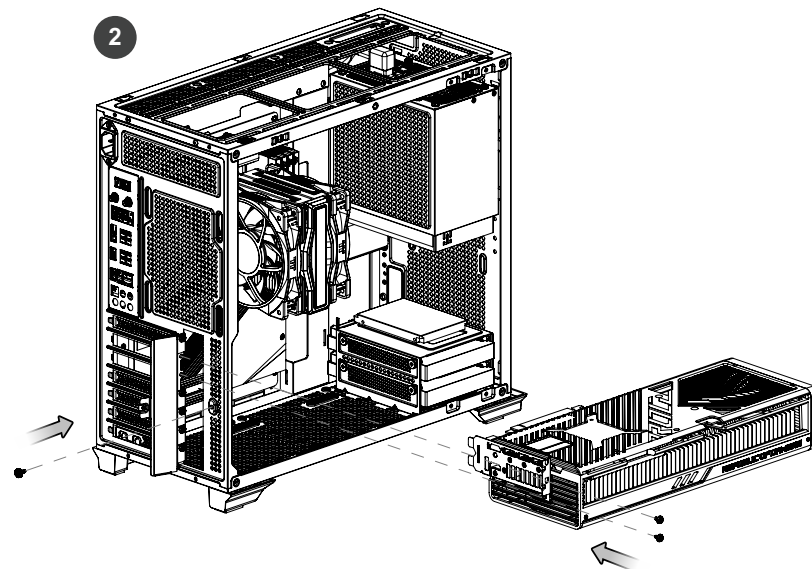
x 4

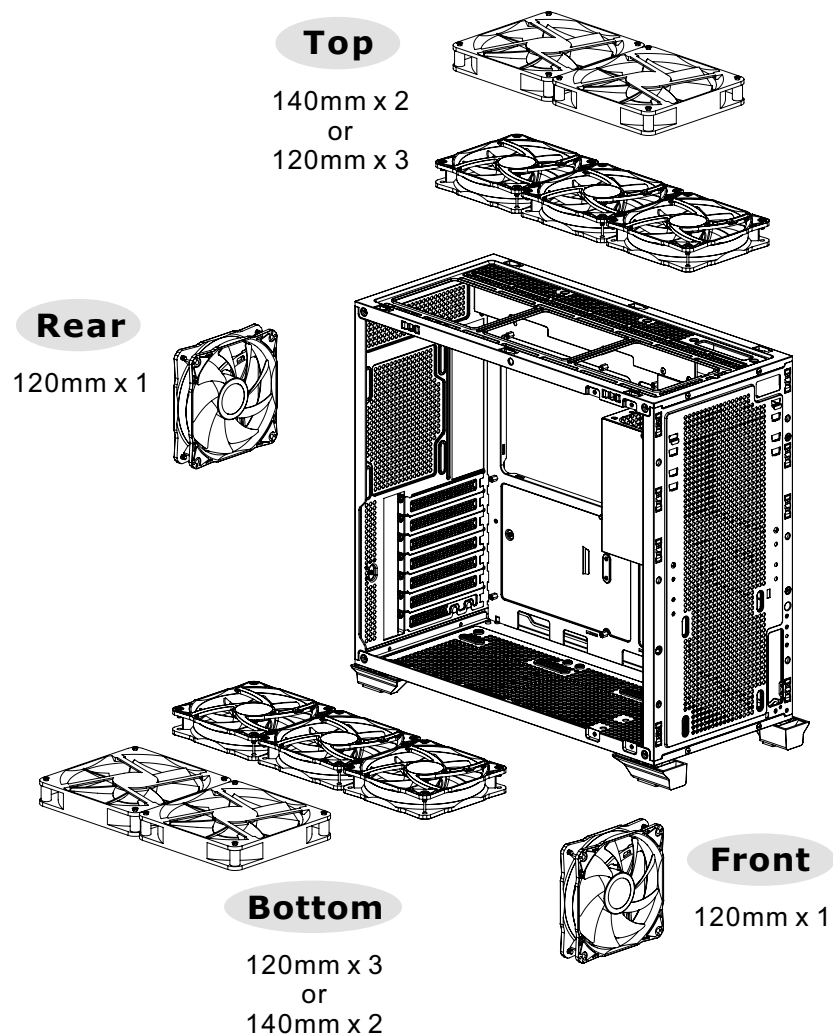


1

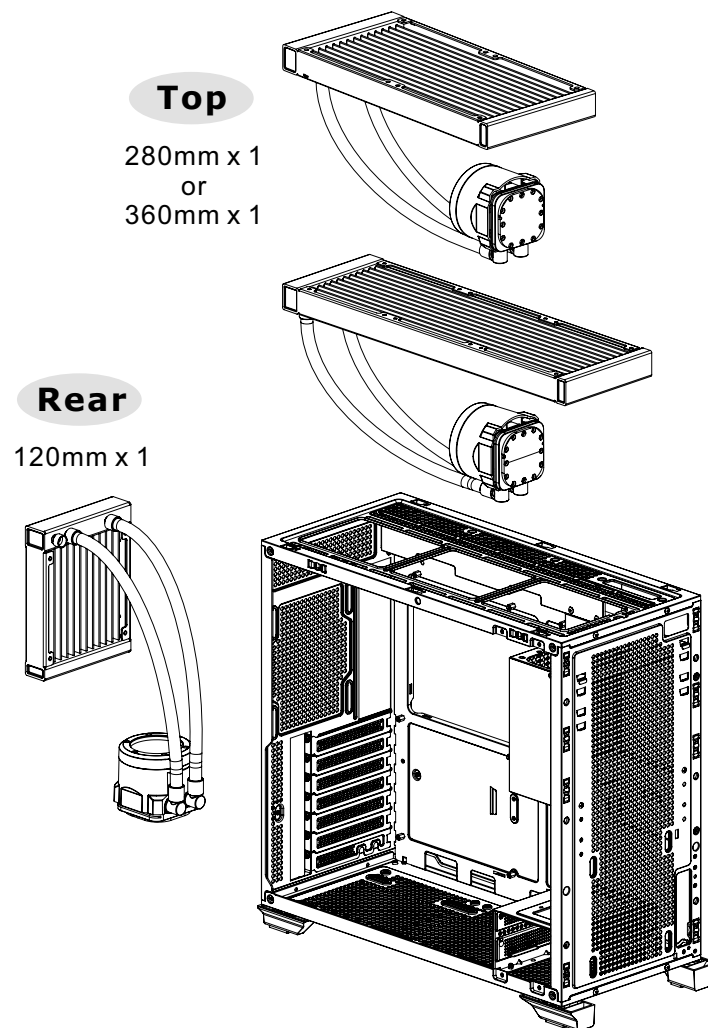


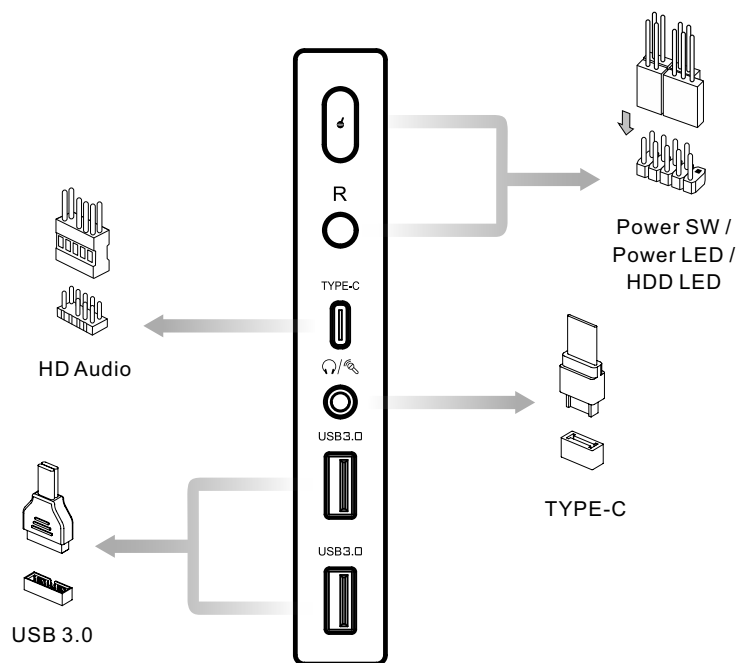
2



**Notice**

- Front fan installed need to remove HDD cage.
- Top fan installed only can install two 120mm and 140mm fans, when PSU installed in the position A.





Motherboard Header Diagram

