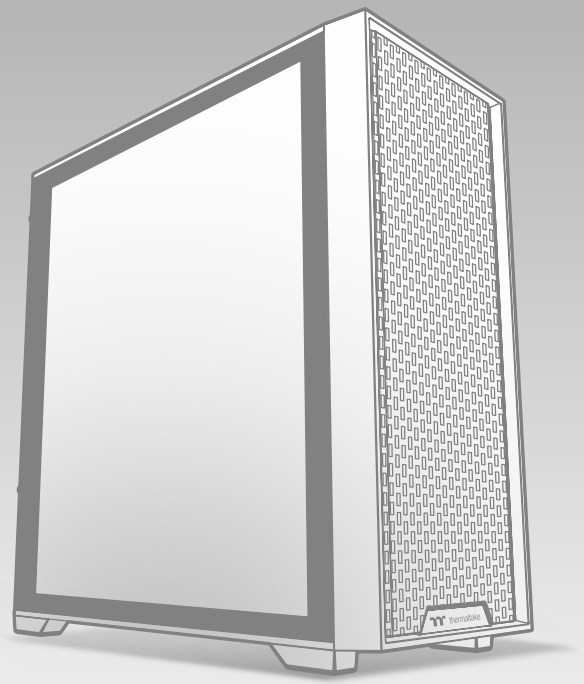
thermaltake

© 2024 Thermaltake Technology Co., Ltd. All Rights Reserved. 2024.03
All other registered trademarks belong to their respective companies. *www.thermaltake.com*

FC Tested To Comply With FCC Standards FOR HOME OR OFFICE USE RoHS COMPLIANT UK CA CE

thermaltake



Mid Tower

H390 TG ARGB

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)
คู่มือการใช้

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://ttpremium.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/

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

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

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

CONTENTS

Chapter 1. Product Introduction

1.0 Specification *01*
1.1 Accessory *02*
1.2 Warning and Notice *03*

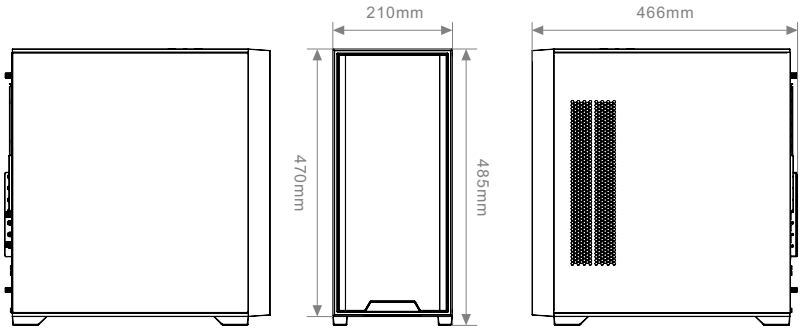
Chapter 2. Installation Guide

2.0 Remove Panels *06*
2.1 Power Supply Unit (PSU) Installation *07*
2.2 Motherboard Installation *08*
2.3 3.5" HDD Installation *09*
2.4 2.5" HDD Installation *10*
2.5 VGA Card Installation *11*
2.6 Air Cooling Installation *12*
2.7 AIO Liquid Cooling Installation *13*
2.8 I/O Connection *14*
2.9 ARGB Control Instruction *14*
2.10 Remove Filters *15*

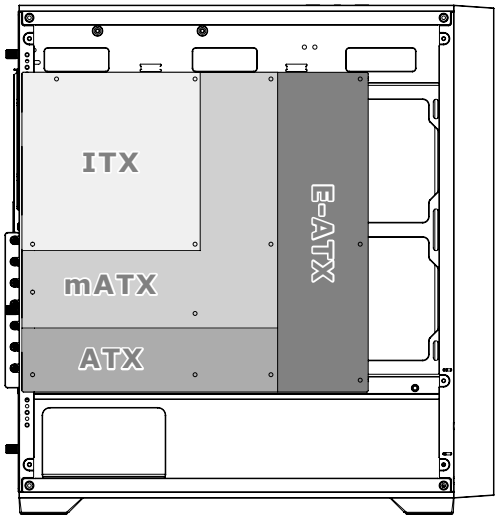
Case Type	Mid Tower		
Dimension (H*W*D)	485 x 210 x 466 mm (19.1 x 8.3 x 18.3 inch)		
Side Panel	Tempered Glass x 1		
Material	SPCC		
Drive Bays	2 x 3.5”, 2 x 2.5” or 1 x 3.5”, 3 x 2.5”		
Expansion Slots	7		
Motherboards	6.7” x 6.7” (Mini ITX), 9.6” x 9.6” (Micro ATX), 12” x 9.6” (ATX), 12” x 13” (E-ATX)		
I/O Port	USB 3.0 x 2, USB 2.0 x 1, HD Audio x 1		
Fan Support	Front	3 x 120 mm, 2 x 120 mm, 1 x 120 mm	2 x 140 mm, 1 x 140 mm
	Top	3 x 120 mm, 2 x 120 mm, 1 x 120 mm	2 x 140 mm, 1 x 140 mm
	Right	2 x 120 mm, 1 x 120 mm	
	Rear	1 x 120 mm	
	PSU cover	2 x 120 mm, 1 x 120 mm	
Radiator Support	Front	1 x 360 mm, 1 x 240 mm, 1 x 120 mm	1 x 280 mm, 1 x 140 mm
	Top	1 x 360 mm, 1 x 240 mm, 1 x 120 mm	1 x 280 mm, 1 x 140 mm
	Right	1 x 240 mm, 1 x 120 mm	
	Rear	1 x 120 mm	
Clearances	CPU cooler height limitation	160 mm	
	VGA length limitation	410 mm	
	PSU length limitation	220 mm	

Figure	Parts Name	Q’ty	Used for
	Stand-off #6-32 x 6.5mm	3	Motherboard
	Screw #6-32 x 6mm	11	Power / VGA
	Screw M3 x 5mm	23	SSD / 2.5” HDD / Motherboard
	Screw #6-32 x 5mm	8	3.5” HDD
	Cable Tie	10	Cable Management
	Rubber	8	SSD / 2.5” HDD
	Screw M3 x 4mm	8	SSD / 2.5” HDD

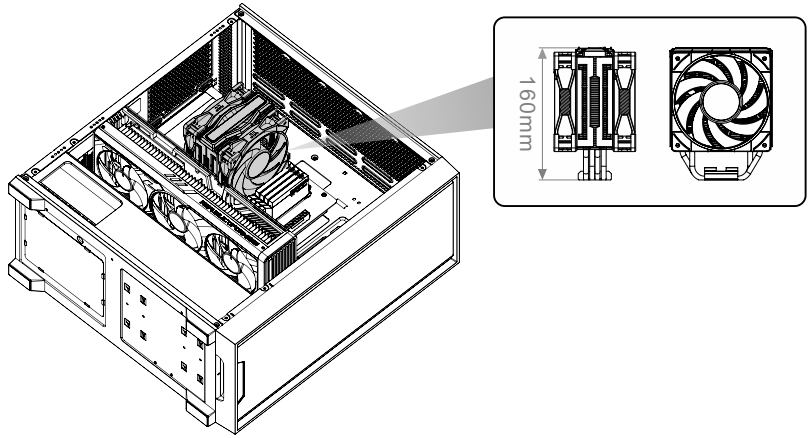
Chassis dimension



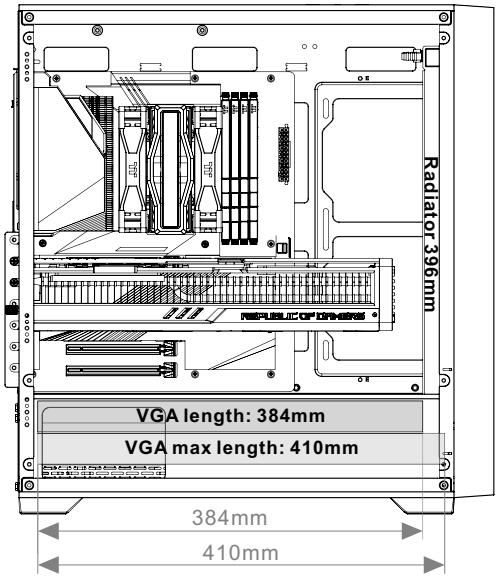
Motherboard Compatibility: ITX / mATX / ATX / E-ATX
(Up to 330.2mm wide)



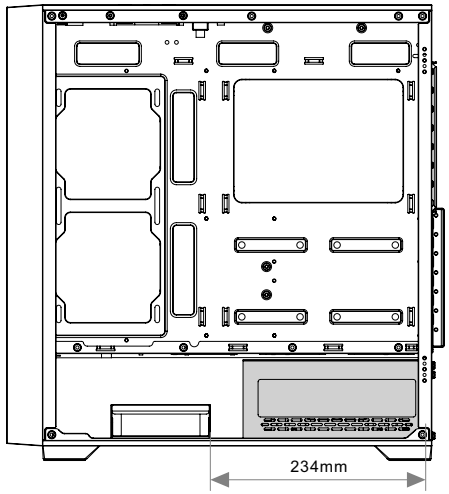
CPU cooler max height: 160mm

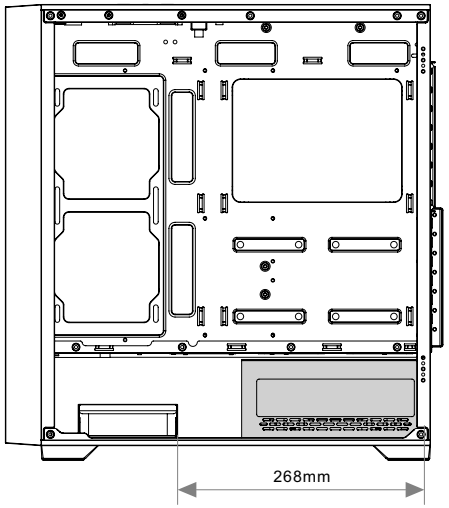


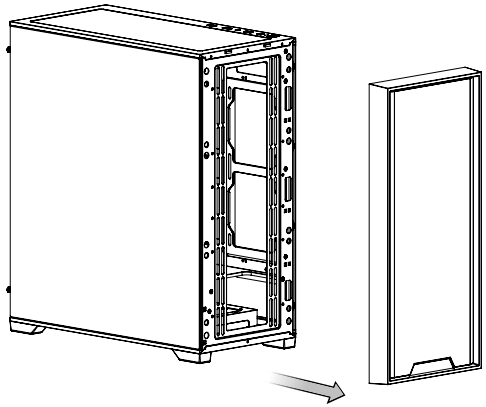
VGA length max length: 410mm

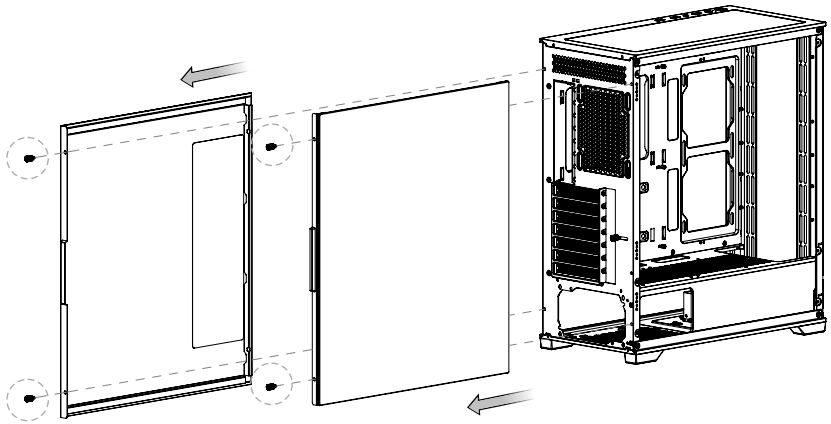


PSU max length: 220mm

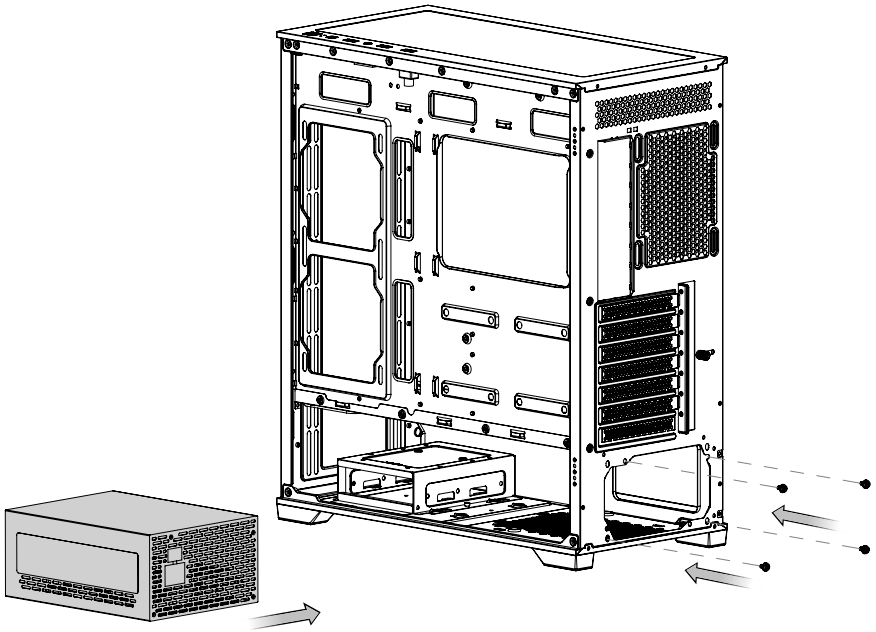




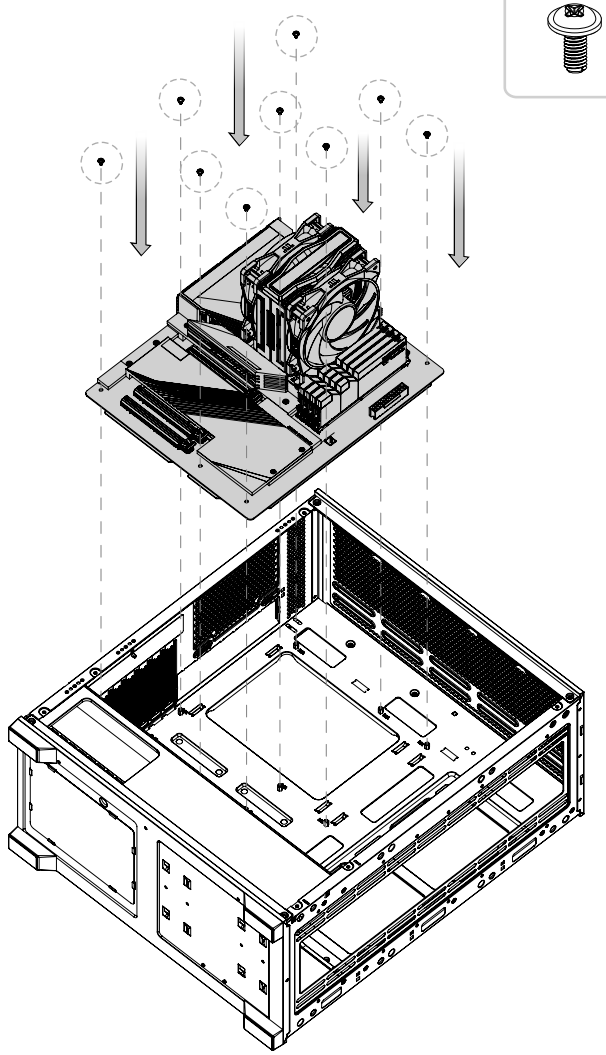


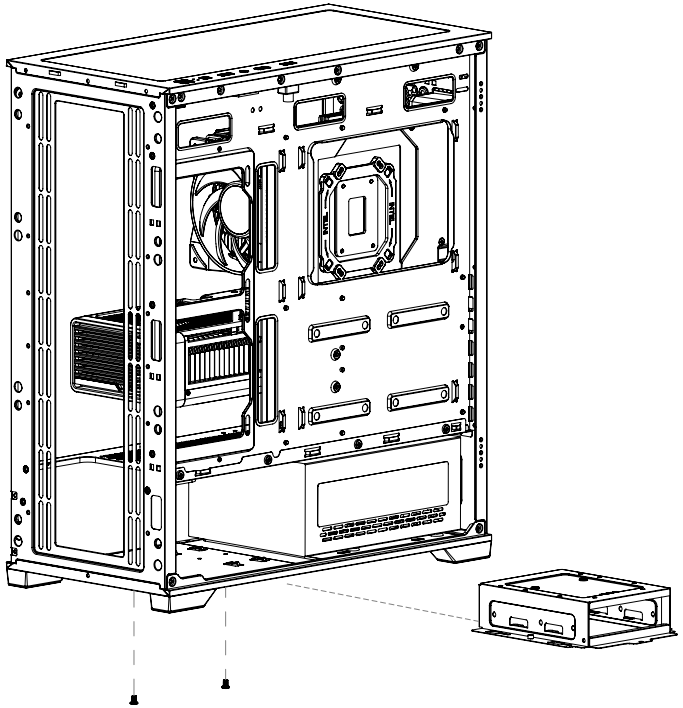


x 4

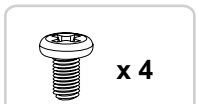


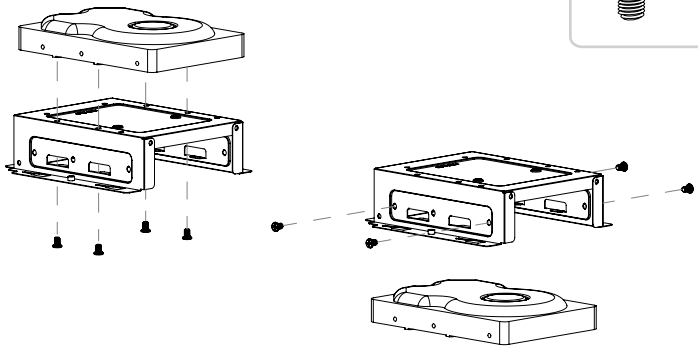
x 9



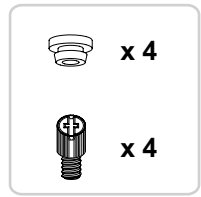


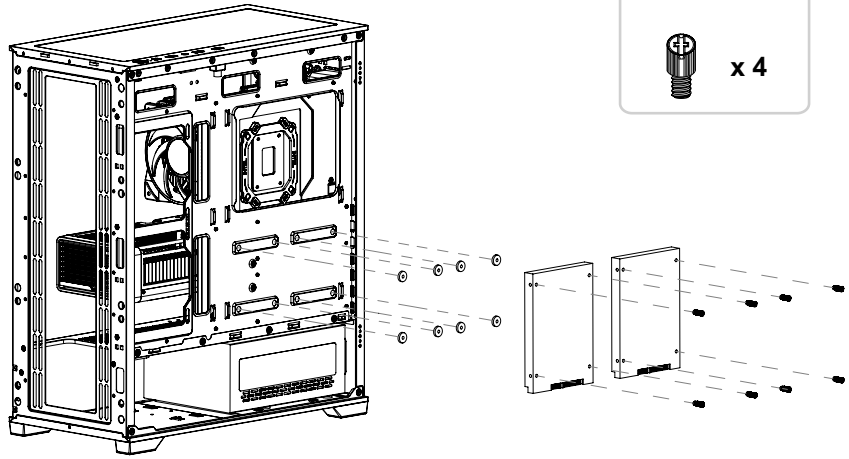
3.5” HDD

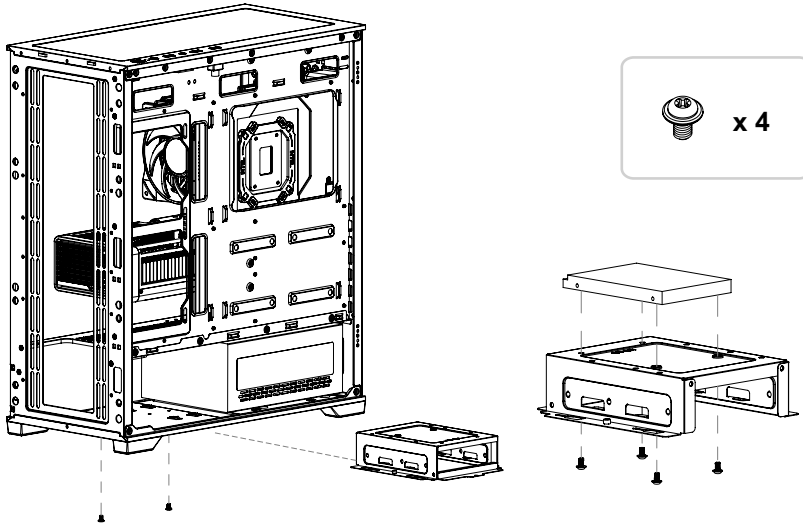


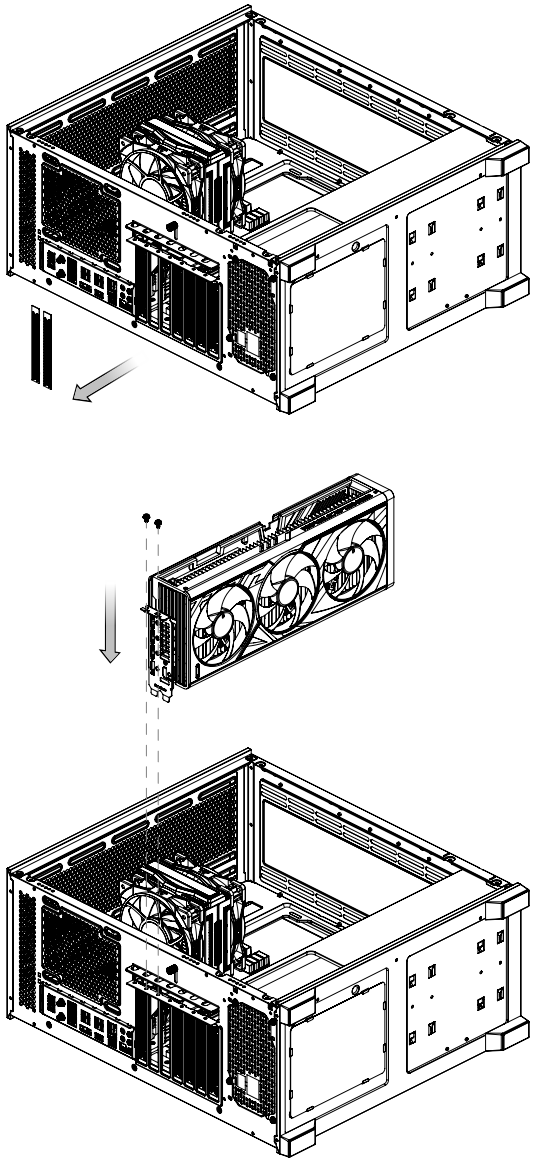


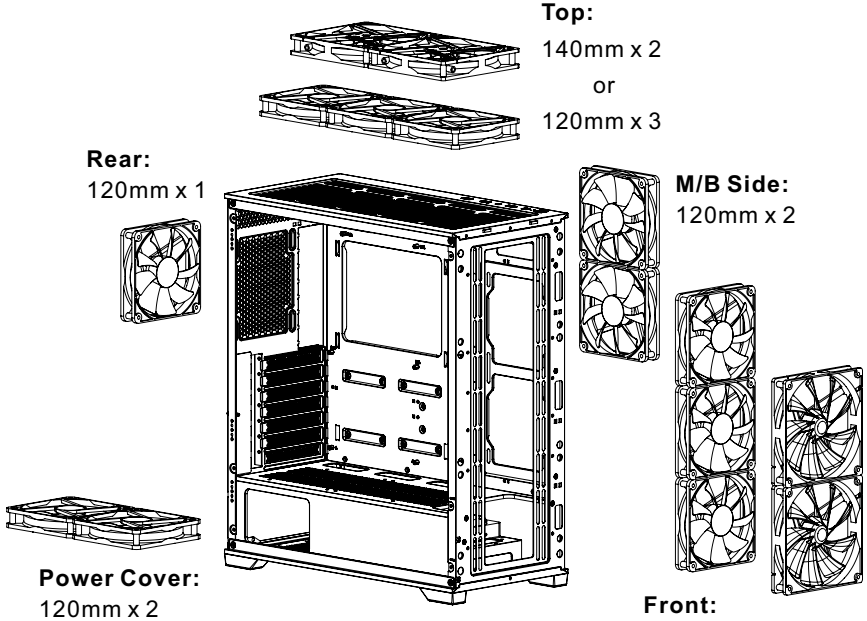
SSD / 2.5” HDD

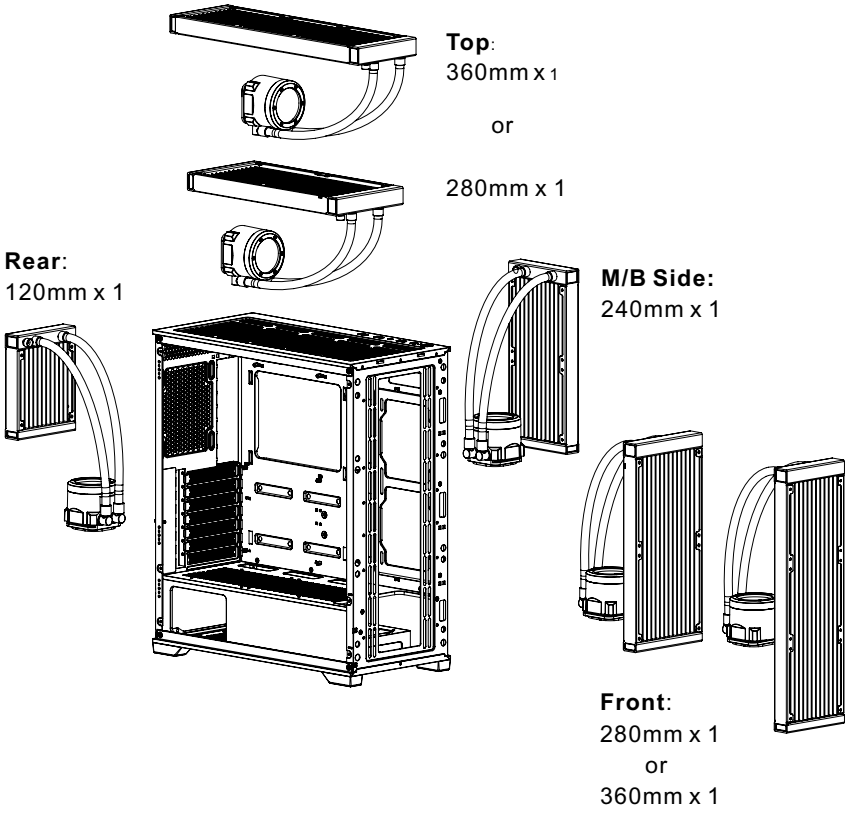




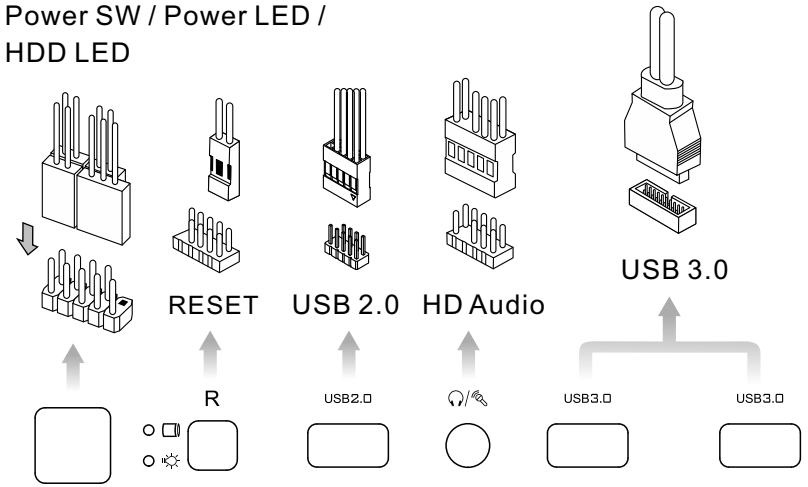




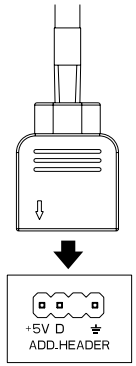
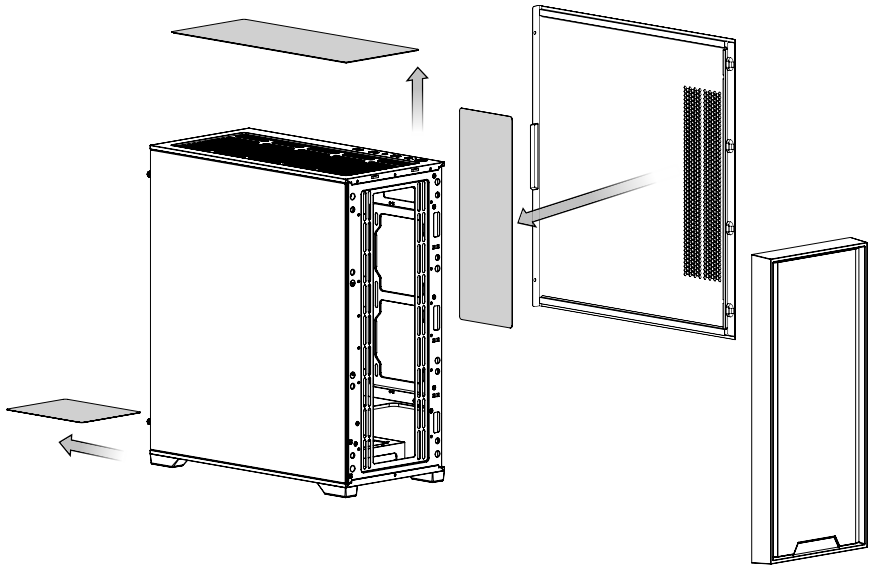

Top:
140mm x 2
or
120mm x 3
Rear:
120mm x 1
M/B Side:
120mm x 2
Power Cover:
120mm x 2
Front:
120mm x 3
or
140mm x 2



I/O Port



ARGB Control Instruction – How to connect MB



Remove Filters