

User Manual

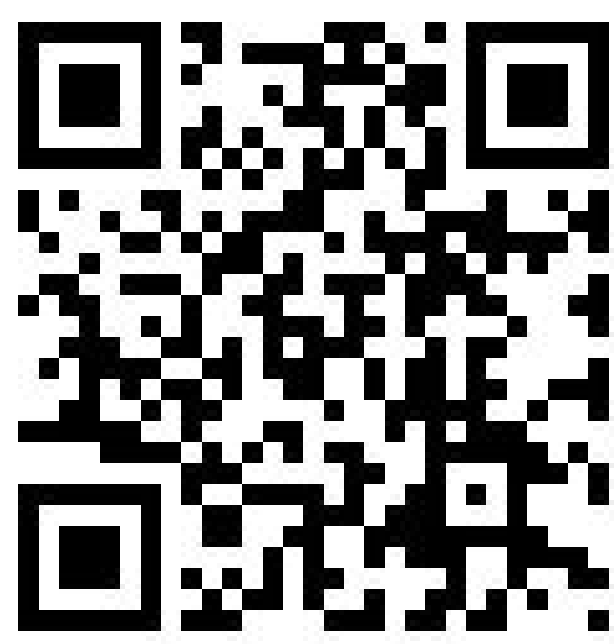


W50
Mid Tower

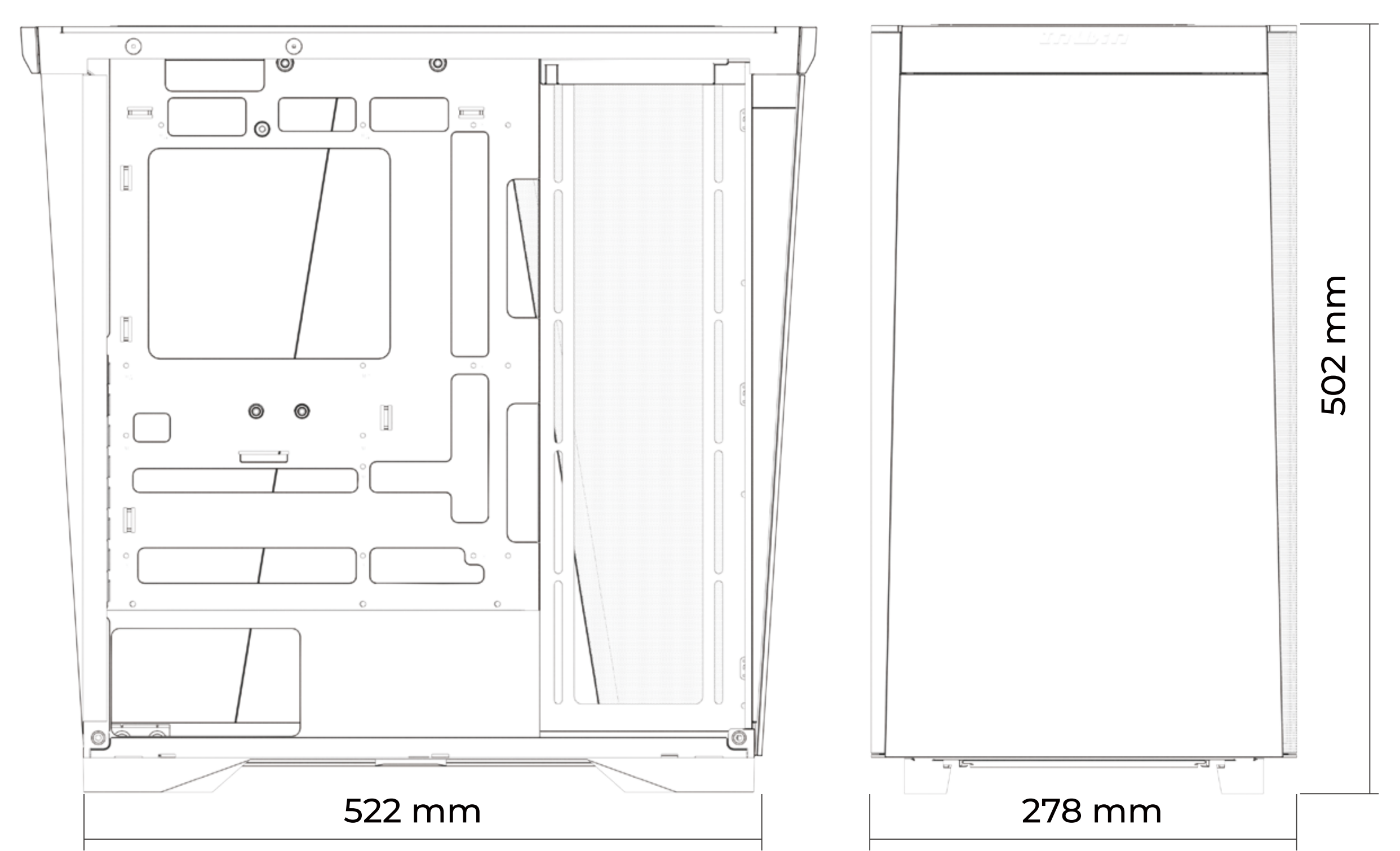
W50 Product Video:



W50 Installation Guide Video:

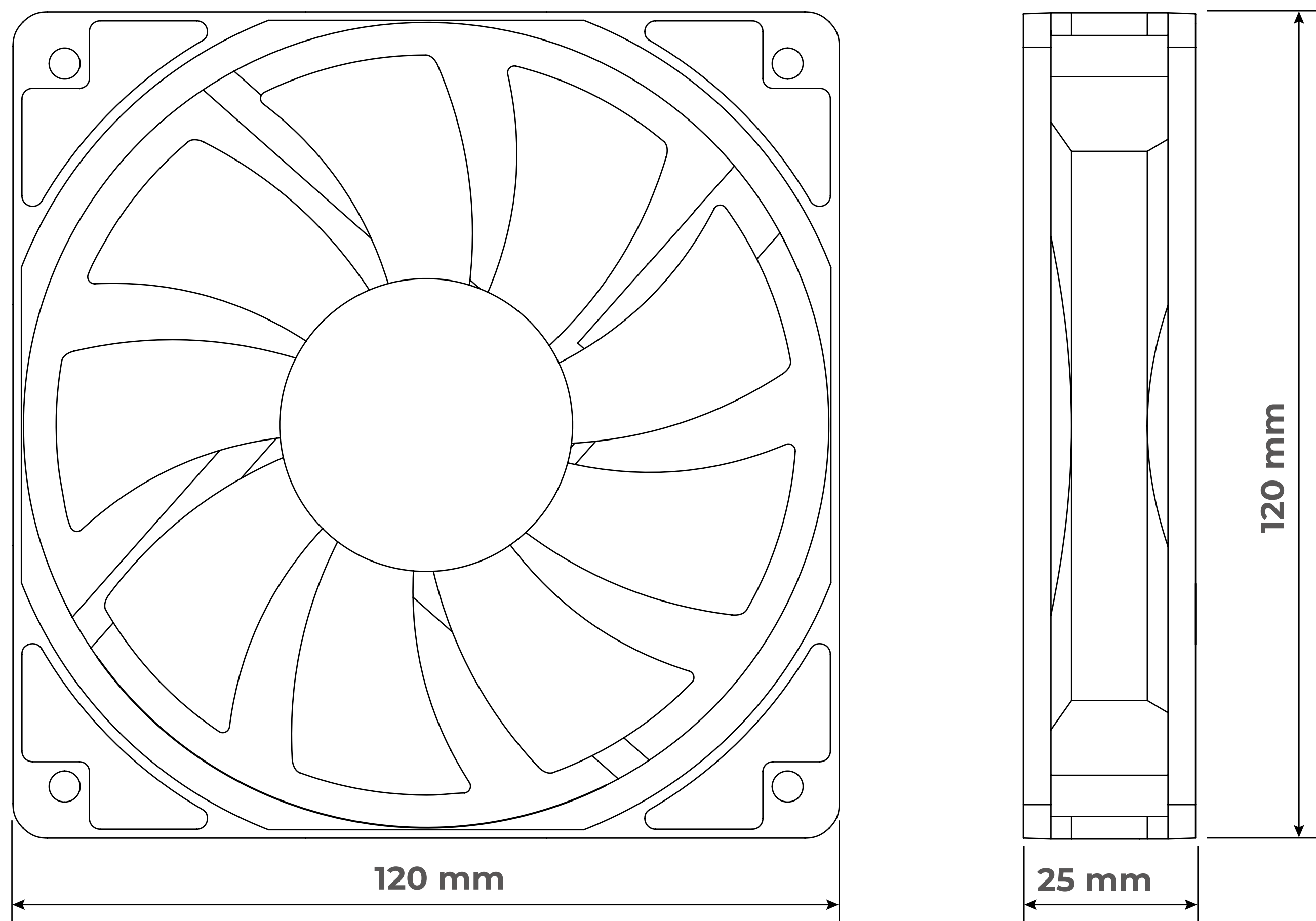


Specifications



Model	W50
Model Number	IW-CS-W50BLK-4VX120
Colors	Black
Case Type	Mid Tower
Materials	SPCC, Tempered Glass
M/B Compatibility	12" x 10.9" E-ATX (305 x 277 mm), ATX, Micro-ATX, Mini-ITX
Expansion Slots	8 x PCIe
Maximum Compatibility	GPU Length: 435 mm CPU Heatsink Height: 175 mm
I/O Ports	1 x USB 3.2 Gen 2x2 Type-C (20 Gbps) 2 x USB 3.2 Gen 1 HD Audio (CTIA - SPK/MIC) LED Lighting Control Switch Power Button
Internal Drive Bays	2 x 3.5" & 2 x 2.5"
Thermal Solution Compatibility	Air Cooling Fans: Top: 3 x 120 / 2 x 140 mm Rear: 1 x 120 mm (VX120 pre-installed) Bottom: 2 x 120 mm (screws required ≥ 25mm) Side: 3 x 120 mm (VX120 pre-installed) Water Cooling Radiator: Top: 1 x 240/ 280 / 360 mm Rear: 1 x 120 mm Side: 1 x 240 / 360 mm
Power Supply Compatibility	PSII : ATX12V - Length up to 238 mm
Product Dimensions (L x W x H)	522 x 278 x 502 mm 20.5 x 10.9 x 19.7"
Package Dimensions (L x W x H)	563 x 365 x 631 mm 22.1 x 14.3 x 24.8"
Net Weight	11.15 kg /24.58 lbs
Gross Weight	13.3 Kg /29.32 lbs
* InWin's products comply with RoHS regulation. * Specifications may vary based on different regions.	

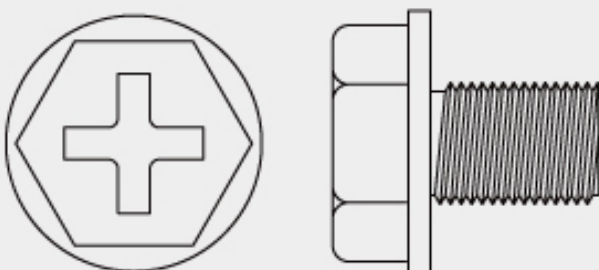
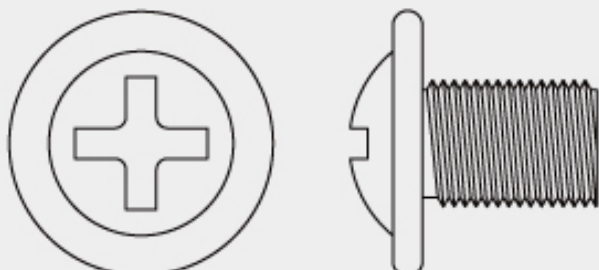
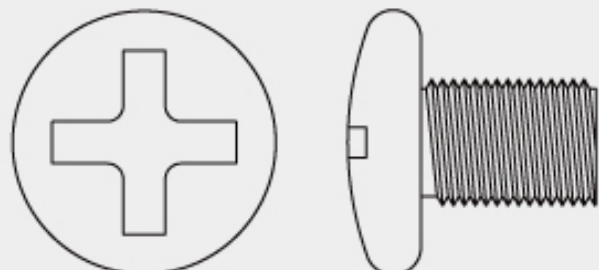
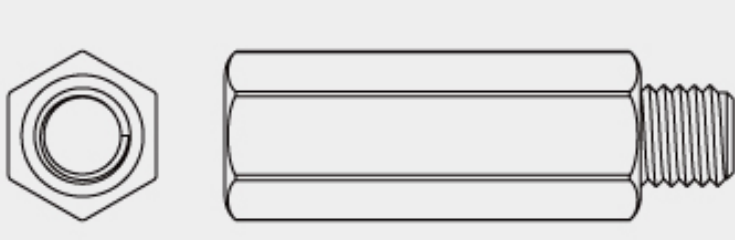
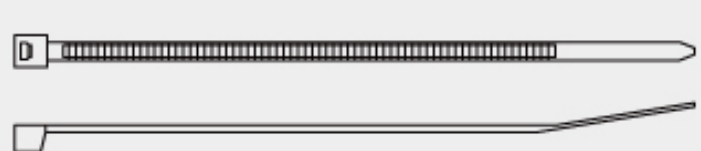
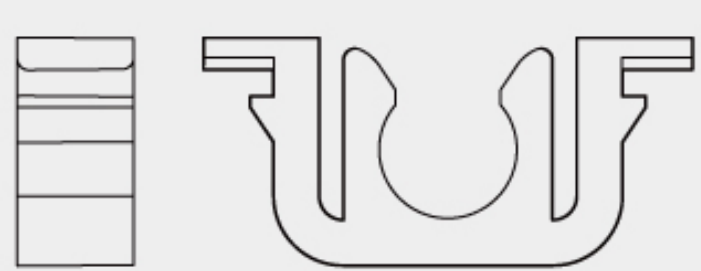
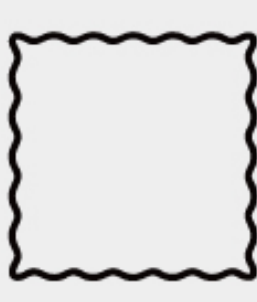
Specifications



Model	VORTEX
Style	Regular Blade
Model Number	IW-FN-VX120-1PK
Colors	Black
Fan Size	120 x 120 x 25 mm
Materials	PC, PBT
Rated Voltage	DC 12V
Rated Power	2.76W
Rated Current	0.23A
ARGB Rated Voltage	DC 5V
ARGB Rated Power	1.45W
ARGB Rated Current	0.29A
Speed Mode	PWM 600 - 1600 RPM
Air Flow	66.37 CFM
Air Pressure	1.4 mm/ H2O
LED	Addressable RGB
Connector to M/B	4-Pin (12V, PWM), 3-Pin (5V, ARGB)
Noise Level	31.7 dB(A)
Bearing Type	Hydro Bearing

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Accessories Bag

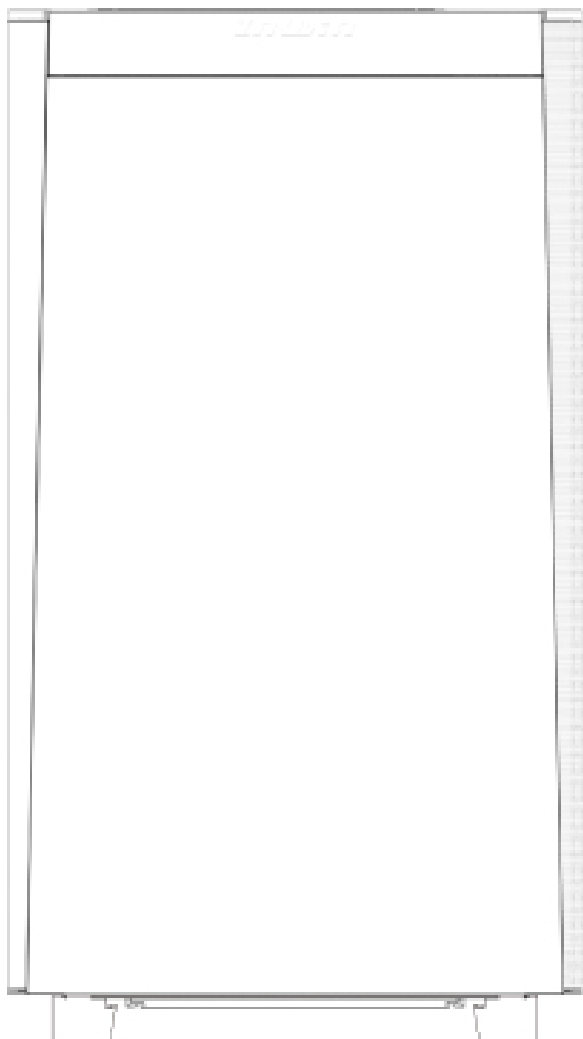
A  x4	B  x10	C  x17
D  x3	E  x2	F  x1
G  x5	H  x1	I  x8
J  x1	K  x1	L  x1

A	PSU screws	G	Cable Ties
B	PCIe Expansion Card / 2.5" SSD Screws	H	Plastic Buckle
C	Motherboard/3.5" HDD Screws	I	Velcro Strips
D	Motherboard Standoffs	J	QR Code Card
E	PCIe Expansion Card Standoffs	K	One-to-four PWM Fan Splitter Cable
F	Motherboard Standoff Socket	L	Wiping Cloth

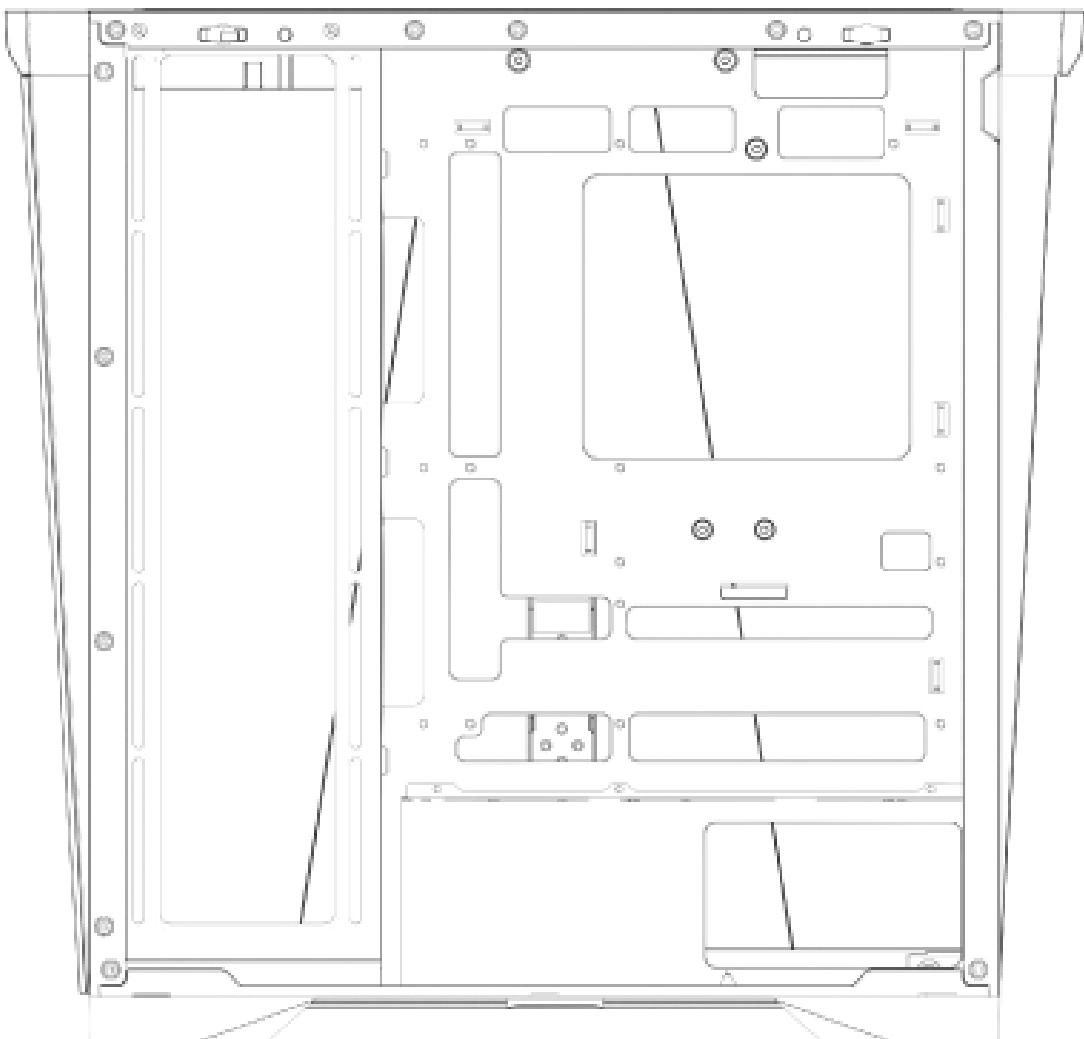
Case Structure



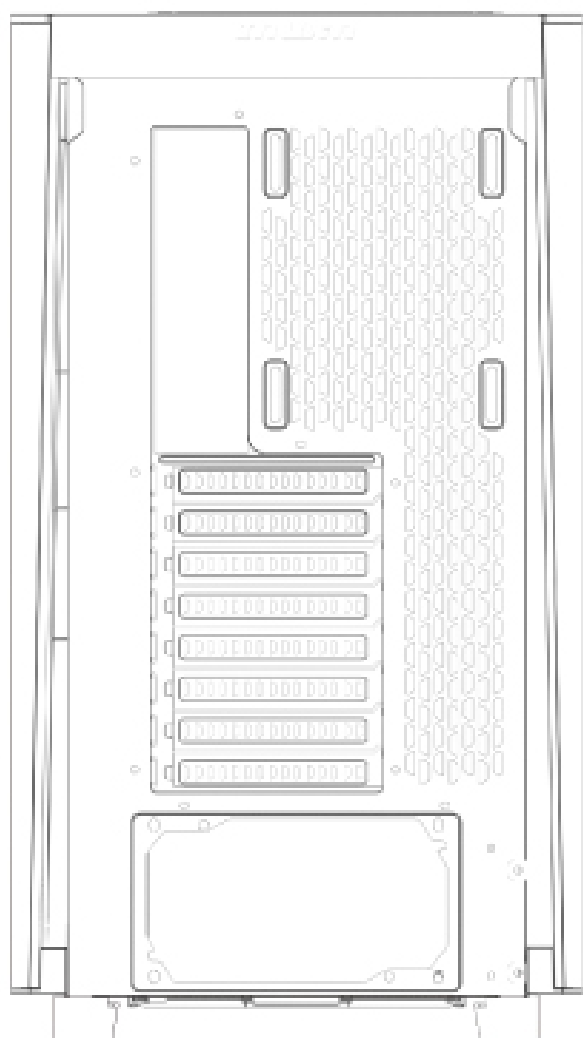
Top



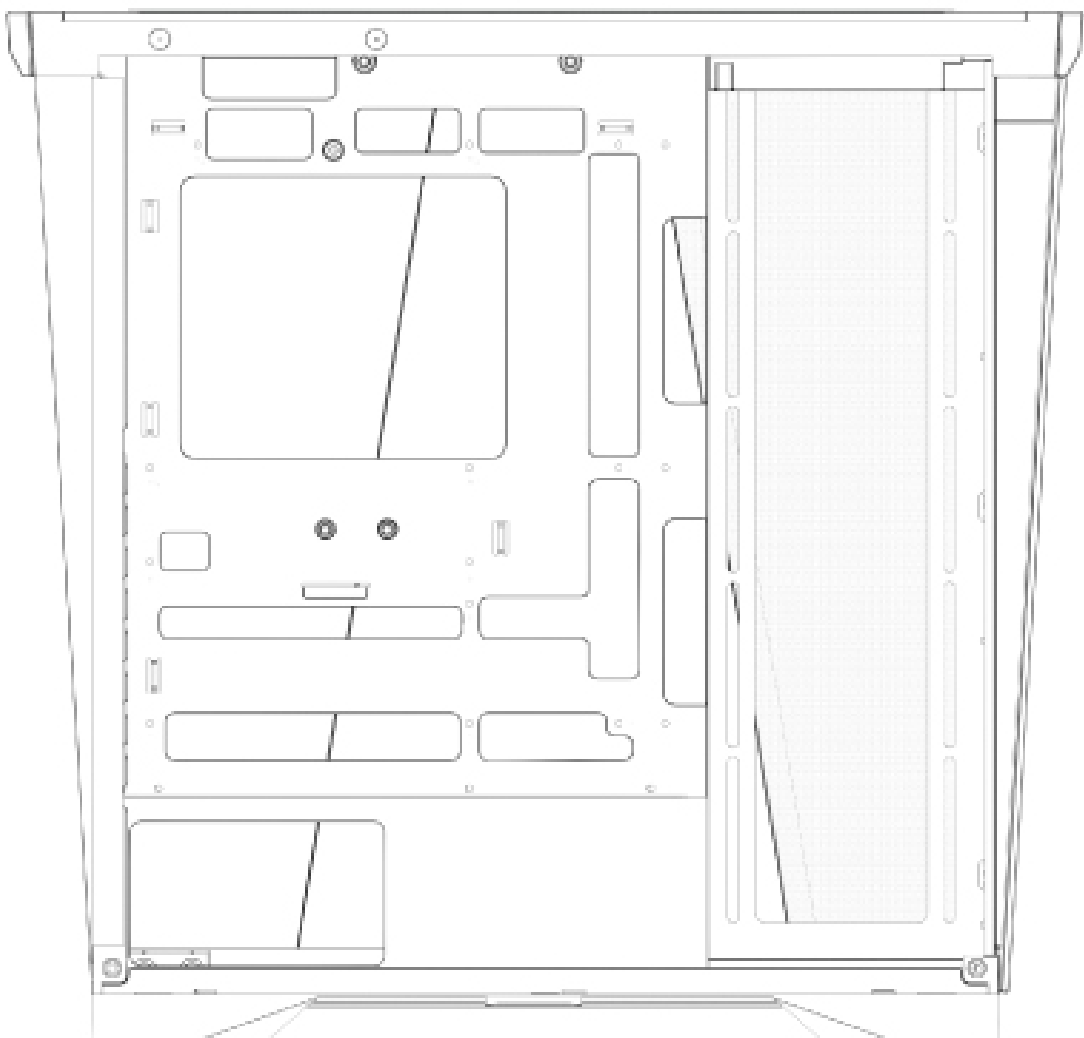
Front



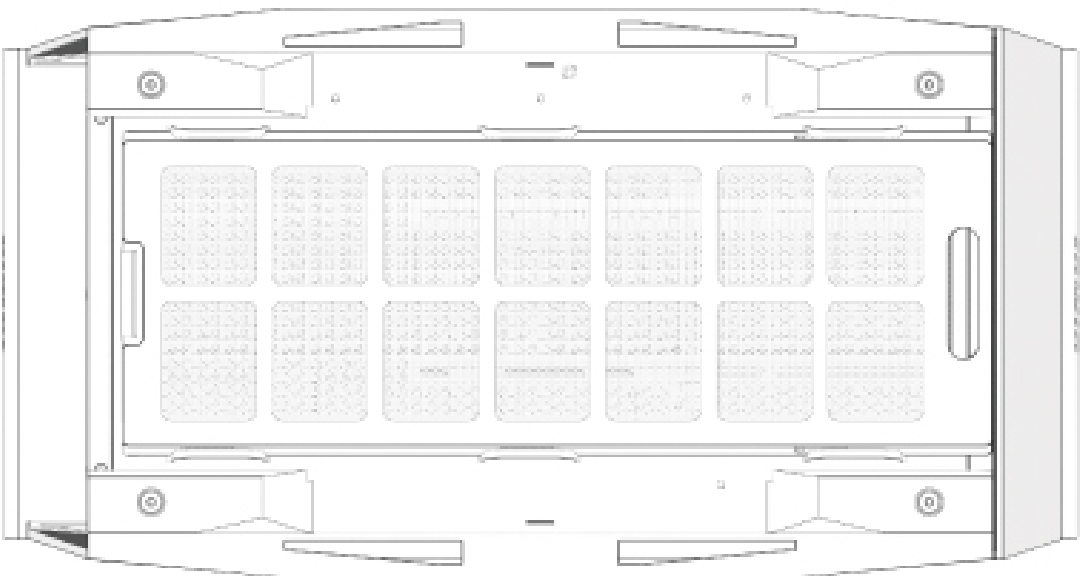
Right



Rear

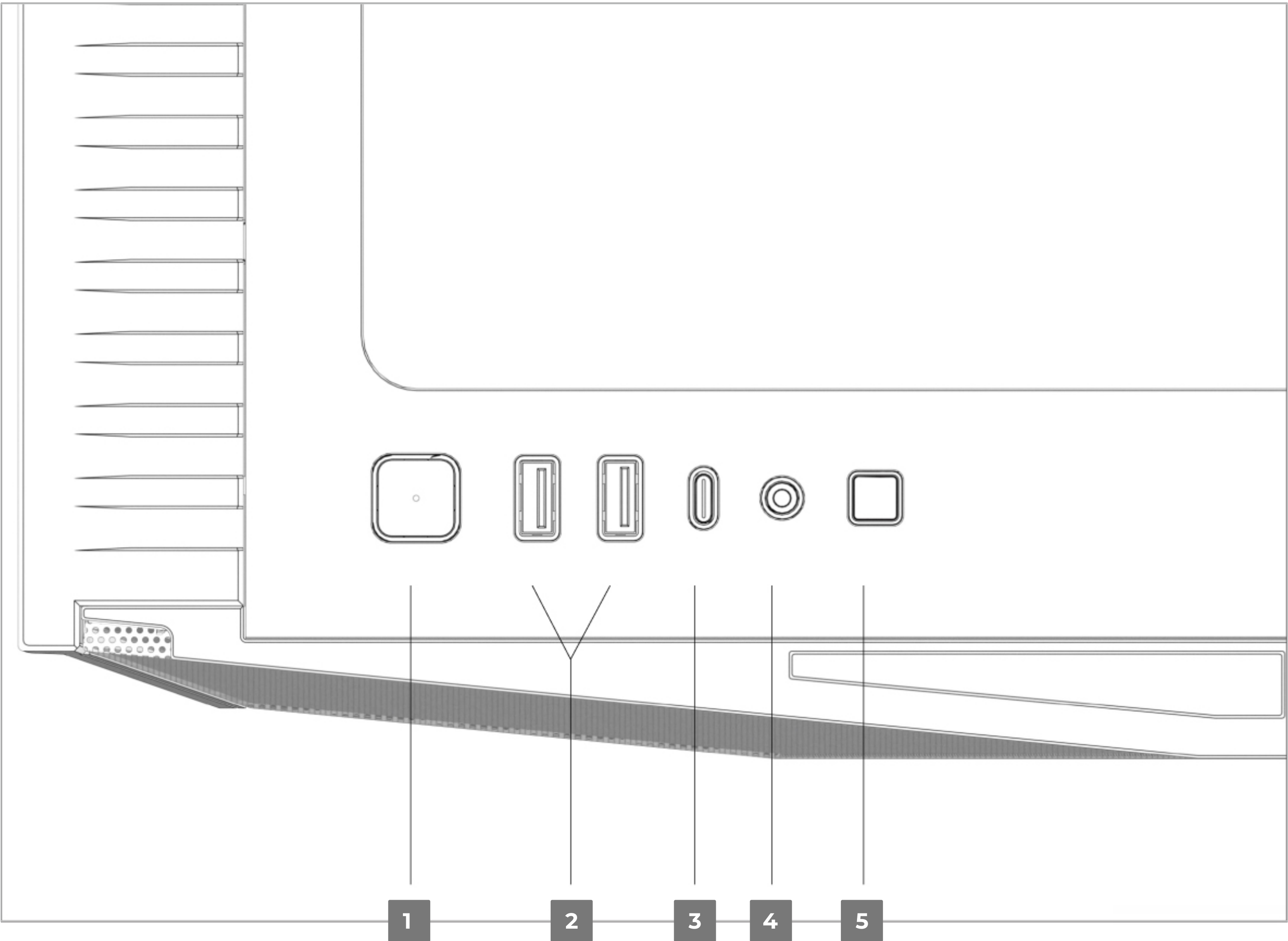


Left



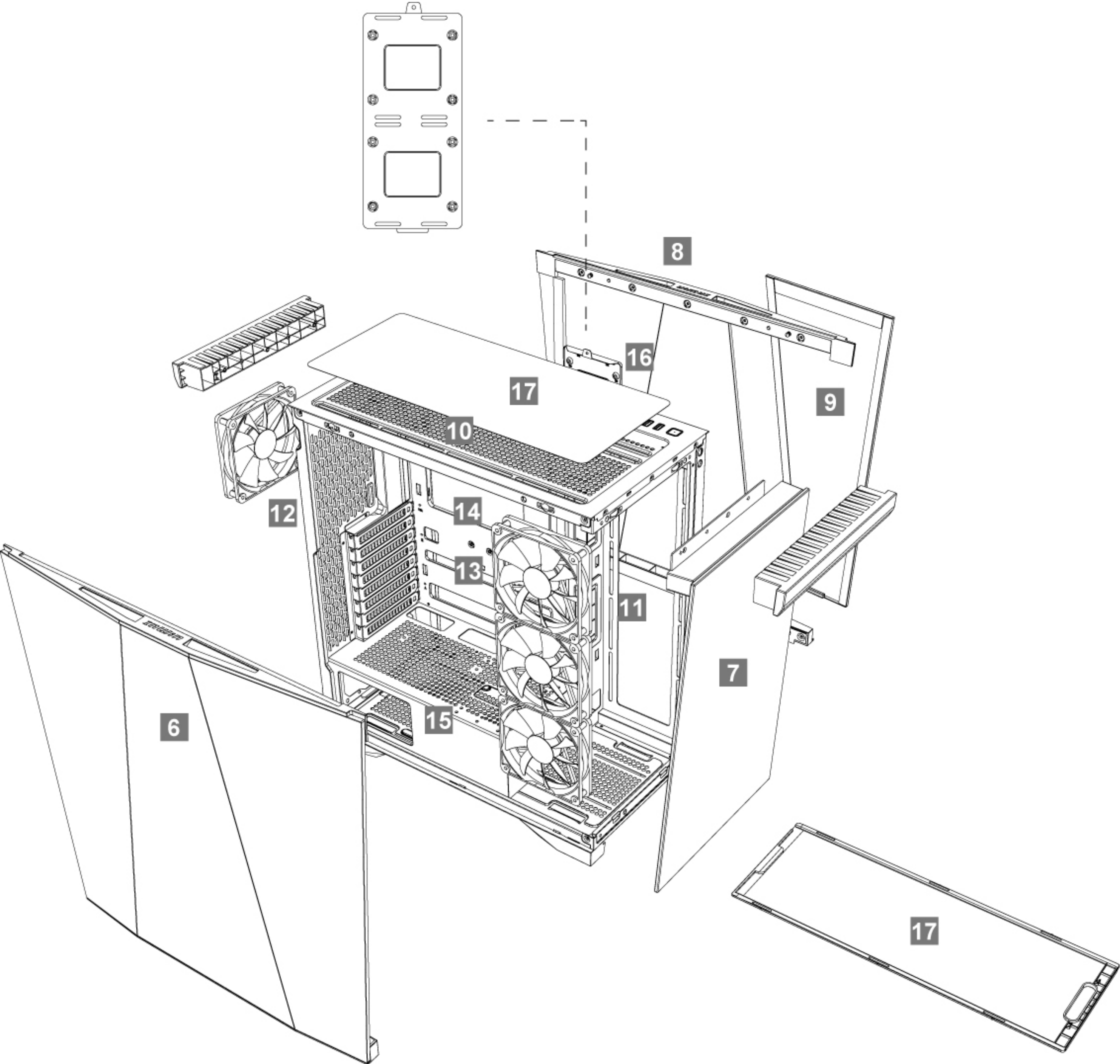
Bottom

Case Structure



- | | |
|---|---------------------------------|
| 1 | Power Button |
| 2 | USB 3.2 Gen 1 |
| 3 | USB 3.2 Gen 2x2 Type-C |
| 4 | HD Audio Combo (CTIA – SPK/Mic) |
| 5 | LED Lighting Control Switch |

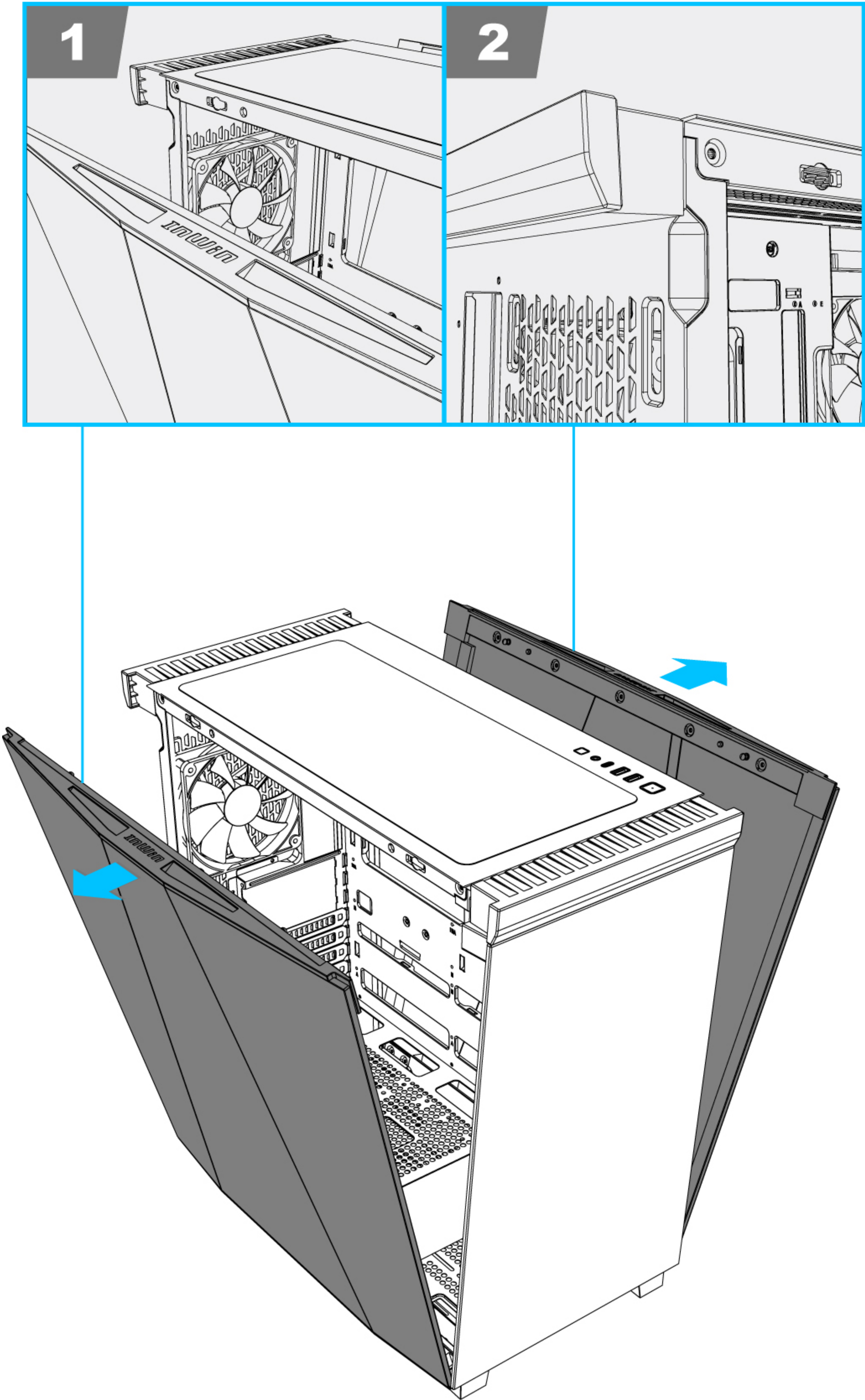
Case Structure



- | | | | |
|----|--|----|--|
| 6 | Tempered Glass Side Panel | 12 | Rear Fans / Radiator Mounting Area
(1 InWin VX120 Fans Pre-Installed) |
| 7 | Glass Front Panel | 13 | Motherboard Mounting Area |
| 8 | Tempered Glass Side Panel | 14 | CPU Cooler Installation Cut-Out Hole |
| 9 | Magnetic Side Mesh | 15 | Power Supply Mounting Area |
| 10 | Top Fans / Radiator Mounting Area | 16 | 2.5" / 3.5" Drive Bays |
| 11 | Side Fans / Radiator Mounting Area
(3 InWin VX120 Fans Pre-Installed) | 17 | Anti-Dust Filters |

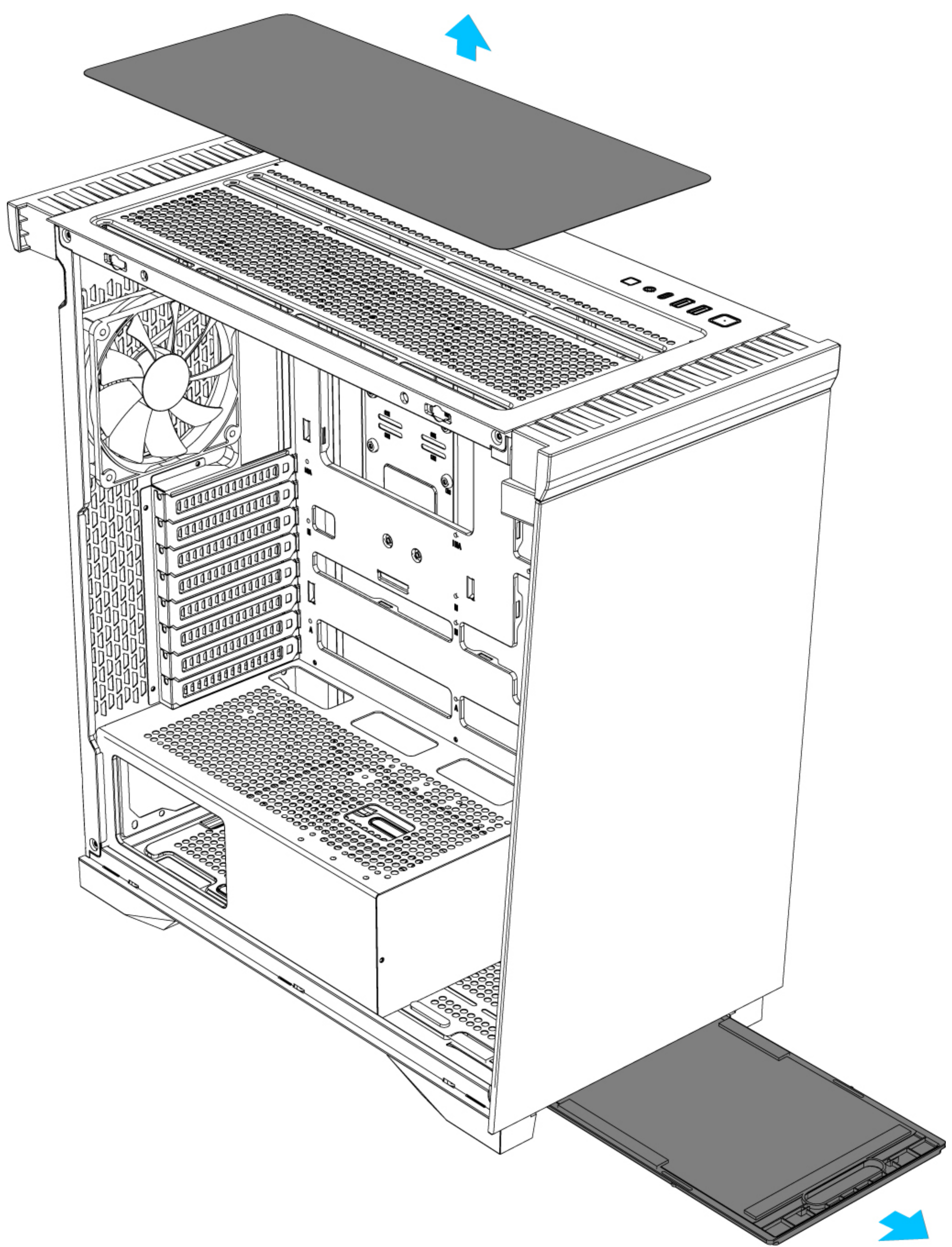
Installation Guide

1. Opening the Chassis



Installation Guide

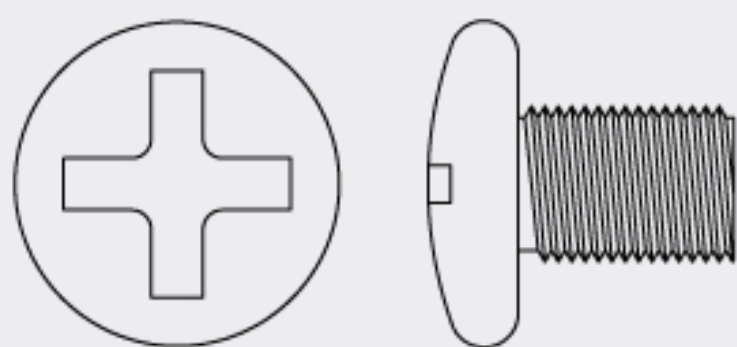
2. Remove Dust Filters



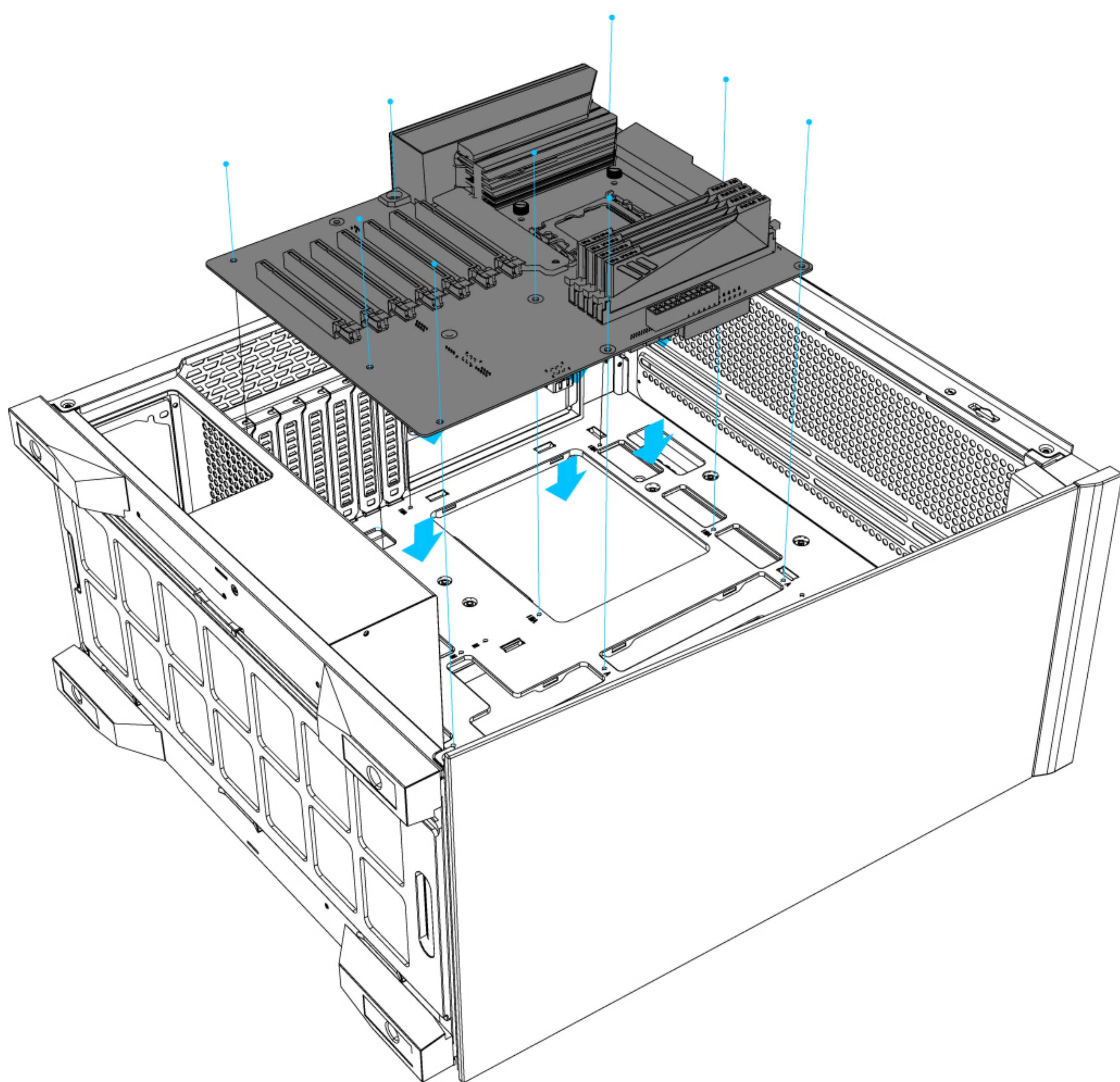
Installation Guide

3. Motherboard Installation

C

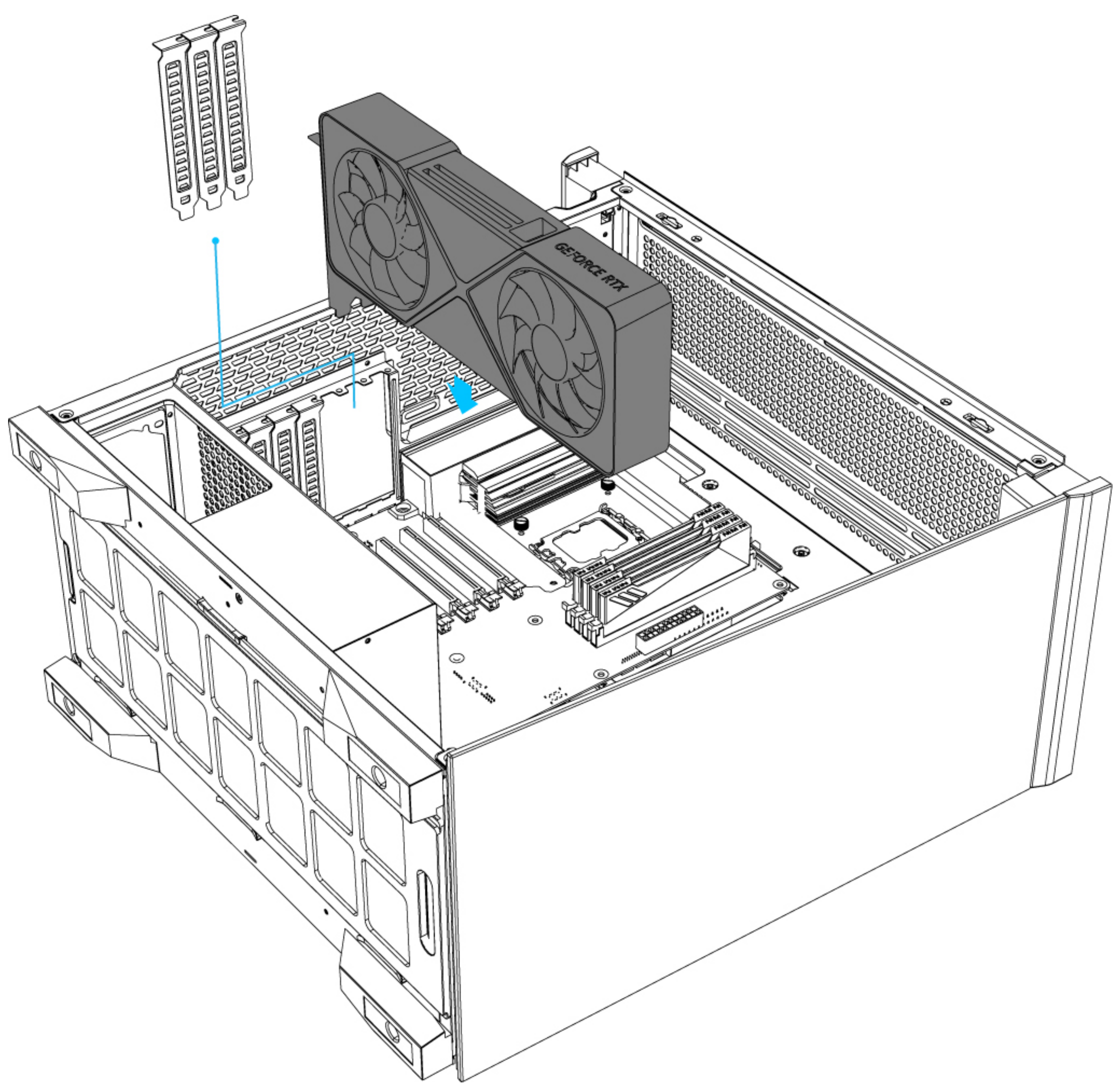


x9



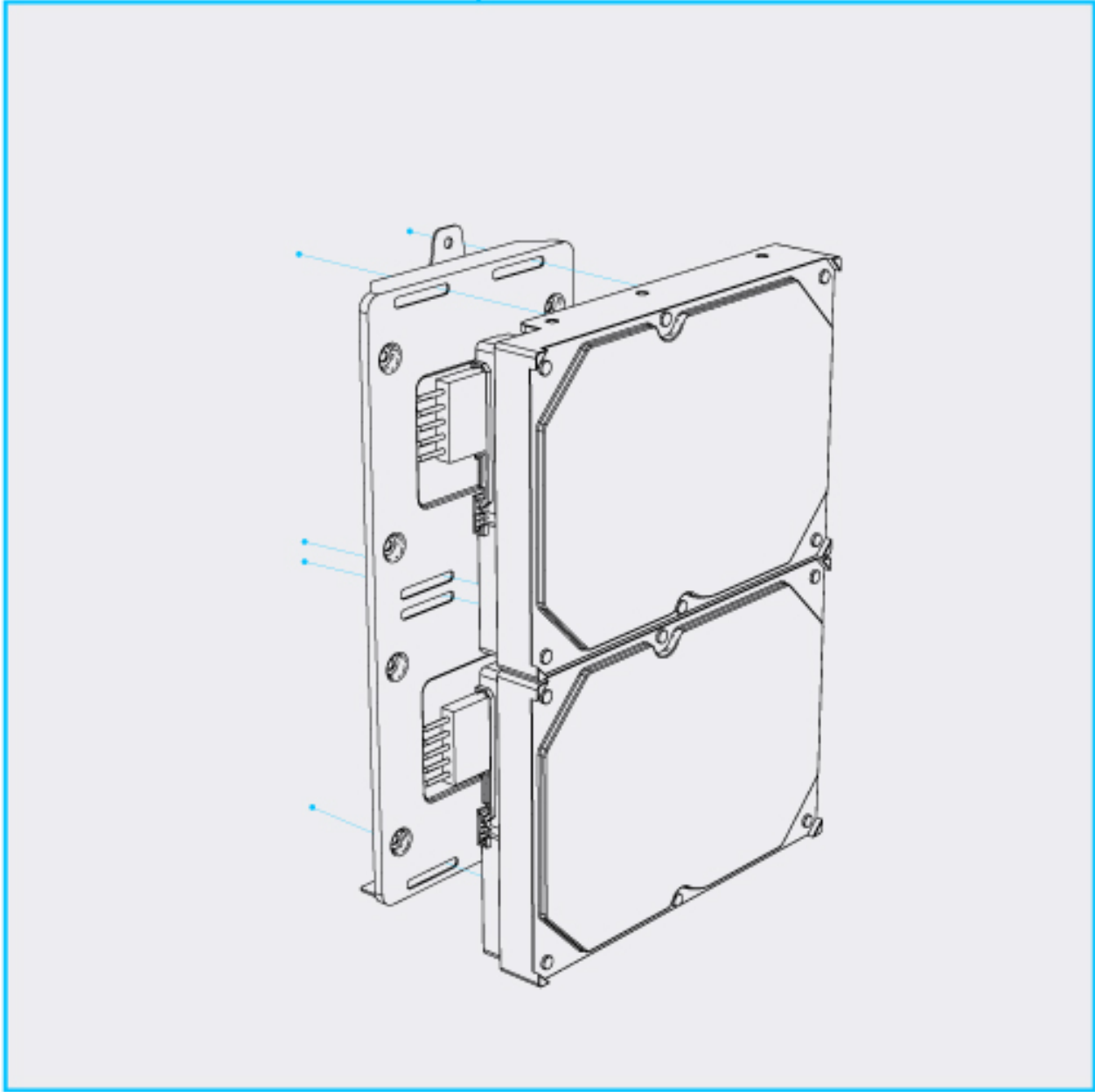
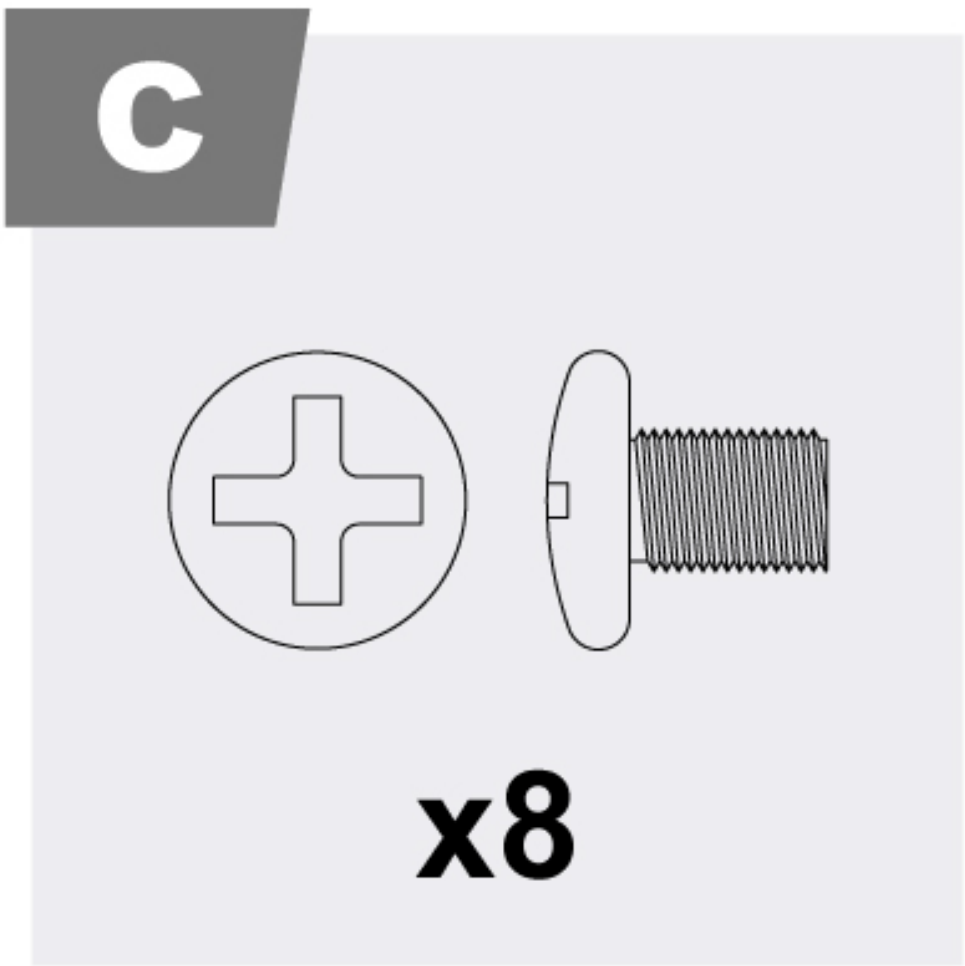
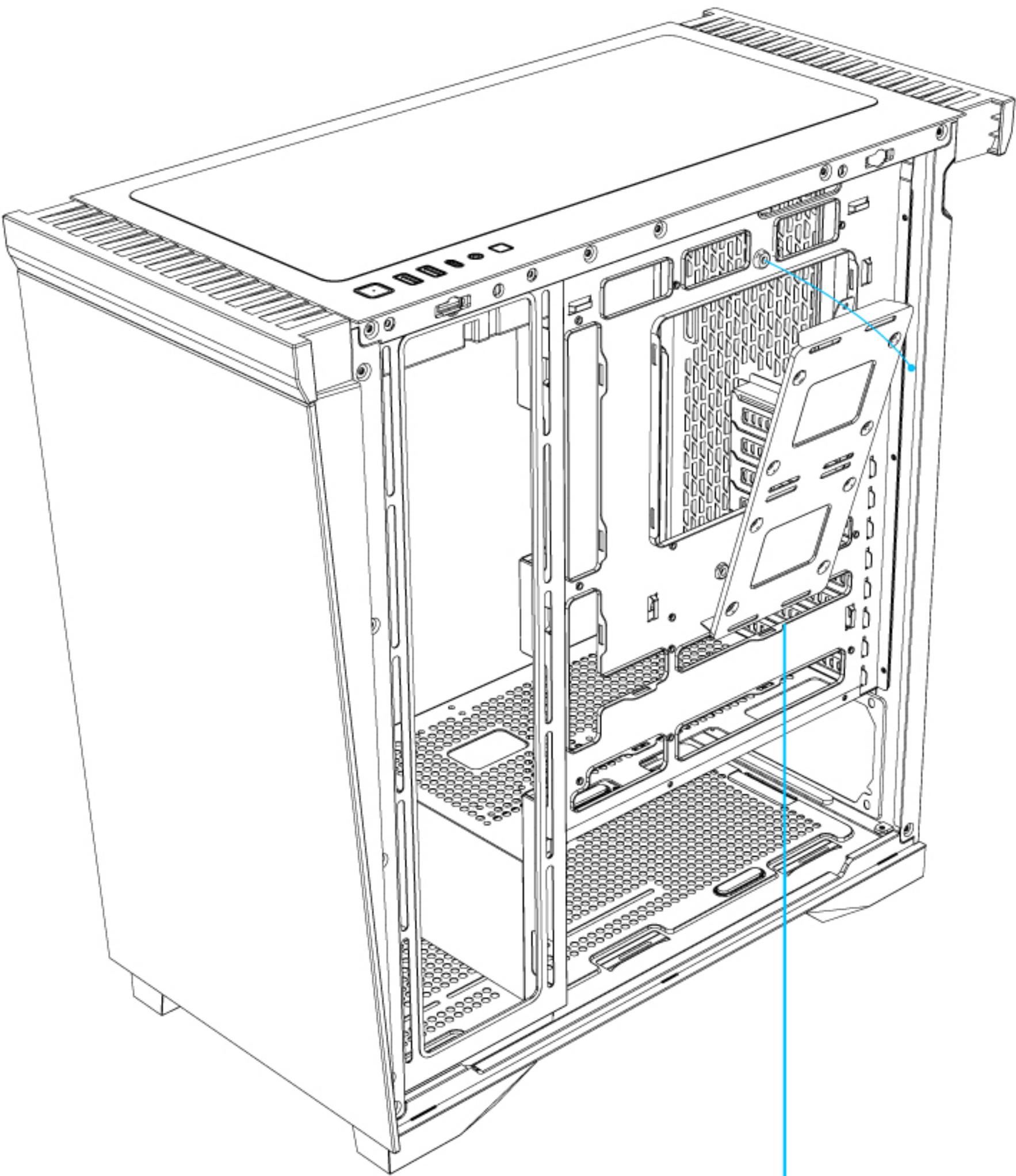
Installation Guide

4. Graphics Card Installation



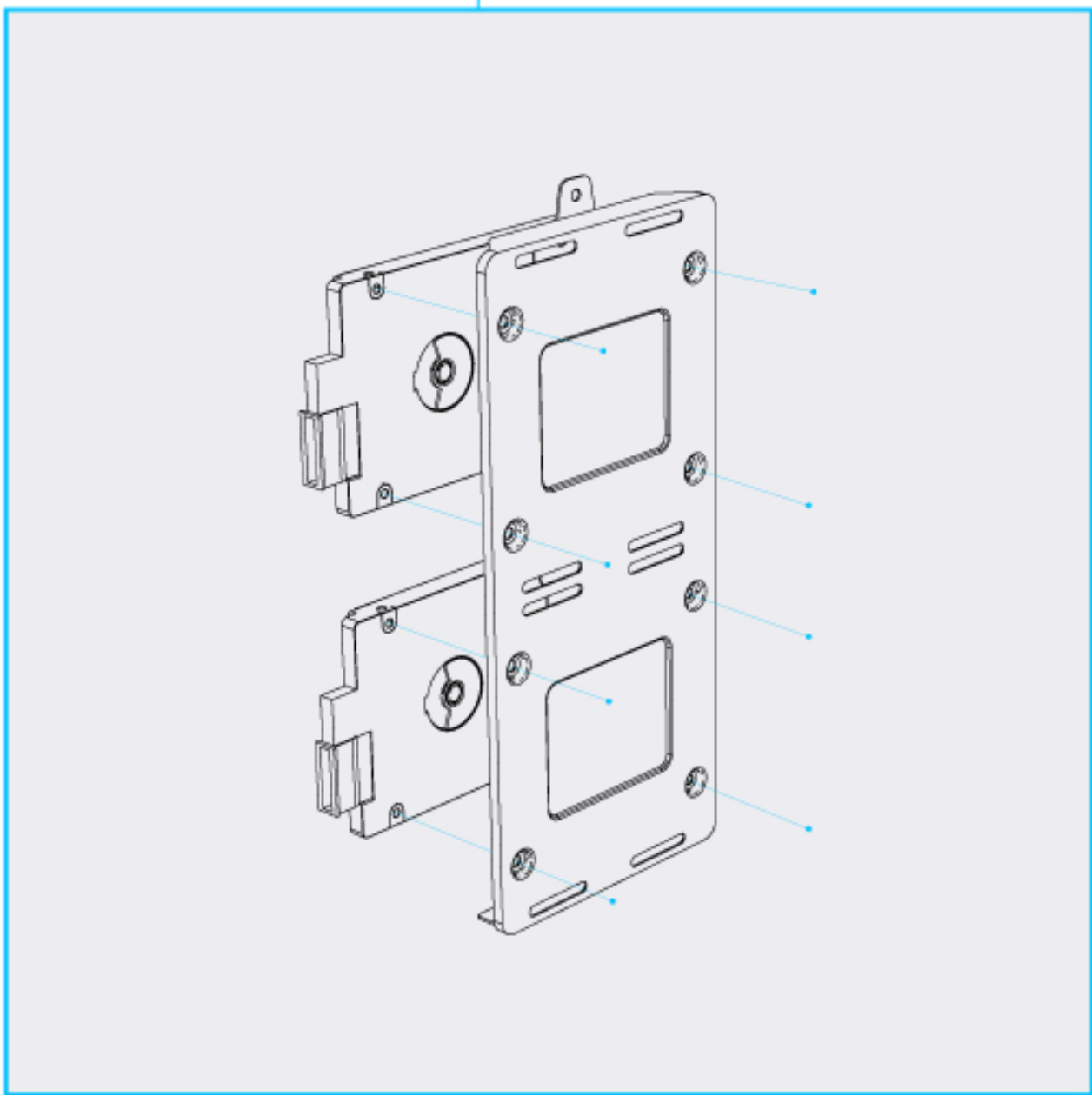
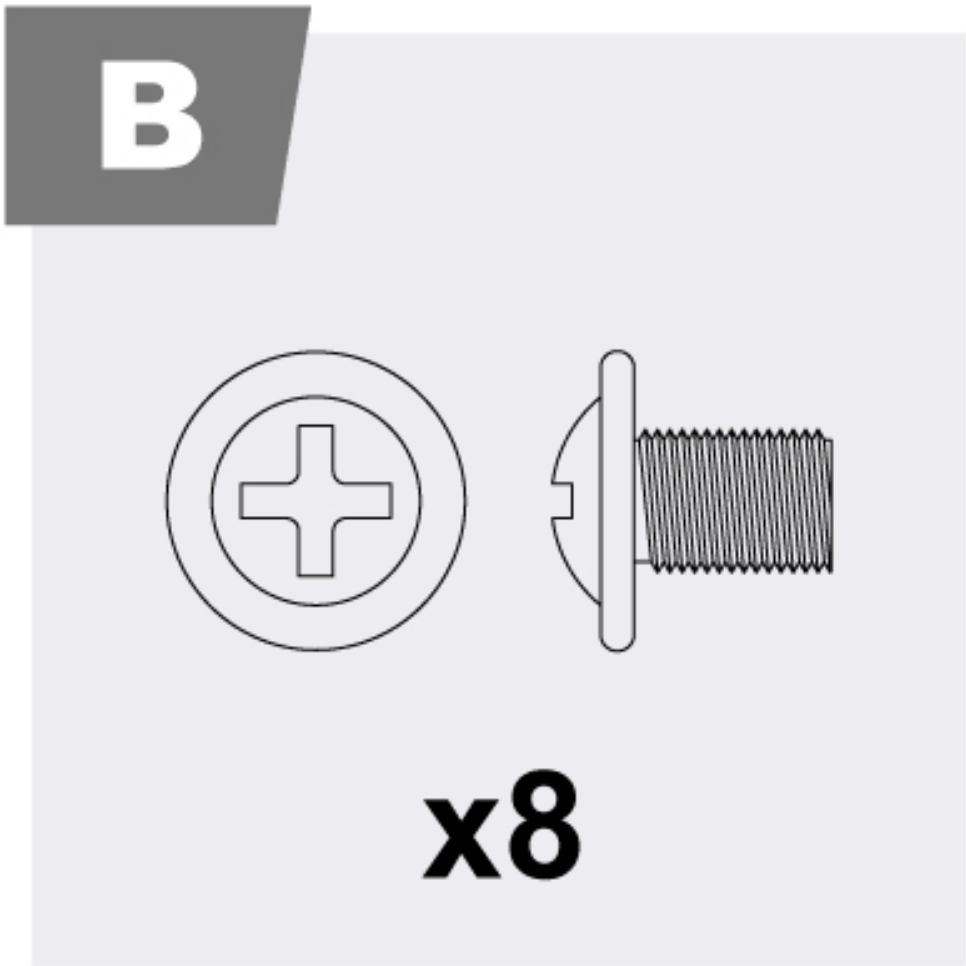
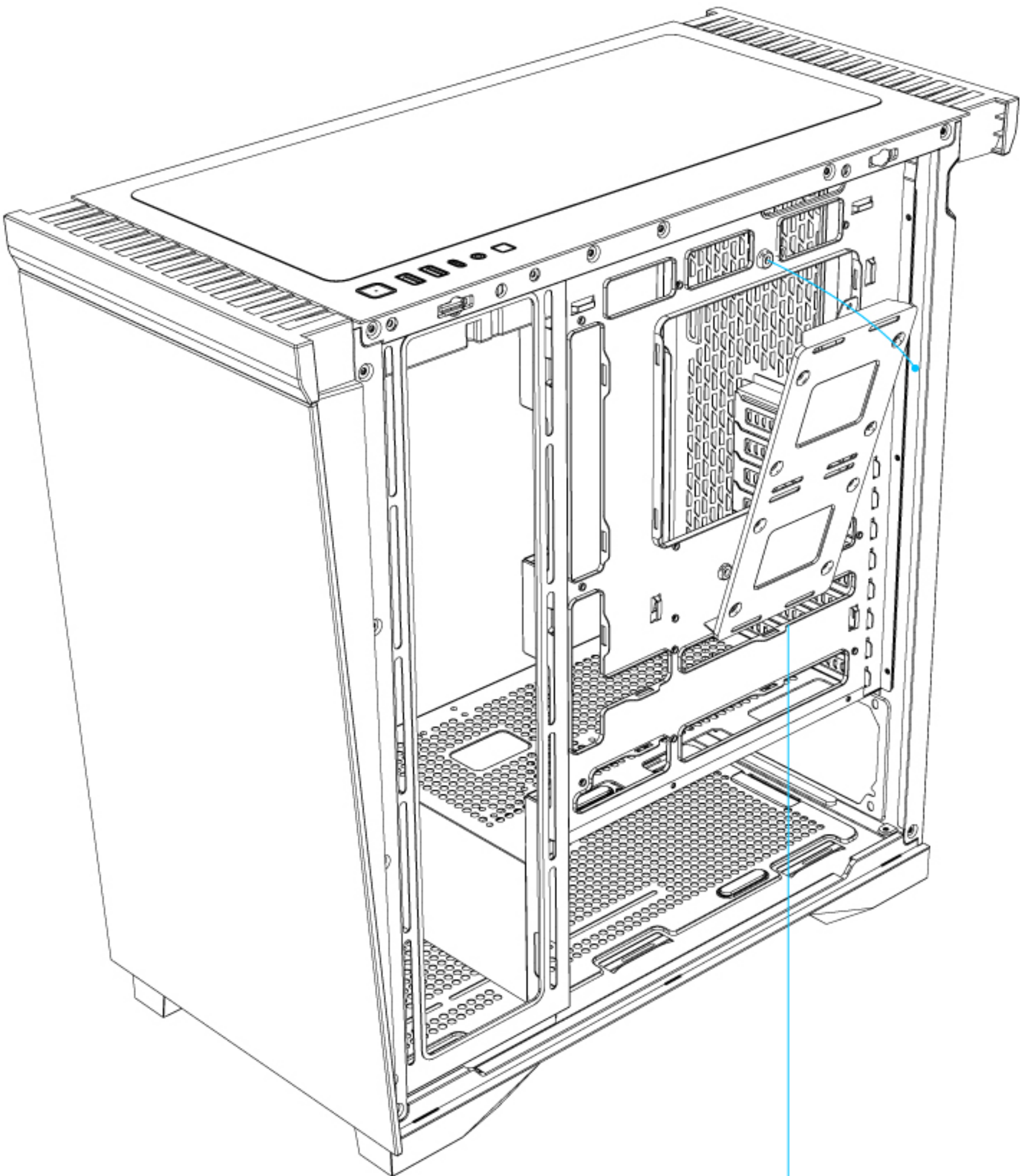
Installation Guide

5. 3.5" Drive Bays Installation



Installation Guide

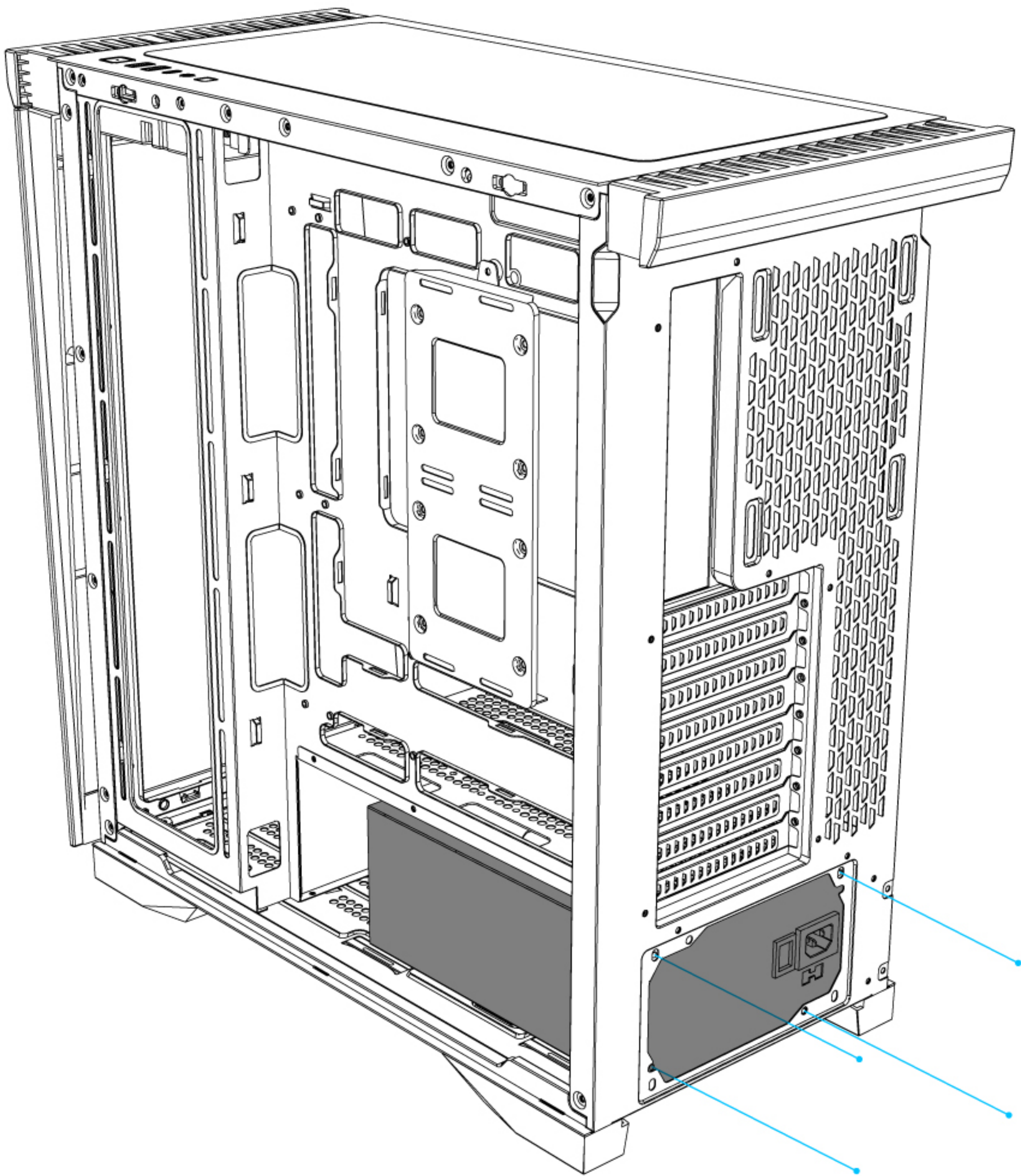
6. 2.5" Drive Bays Installation



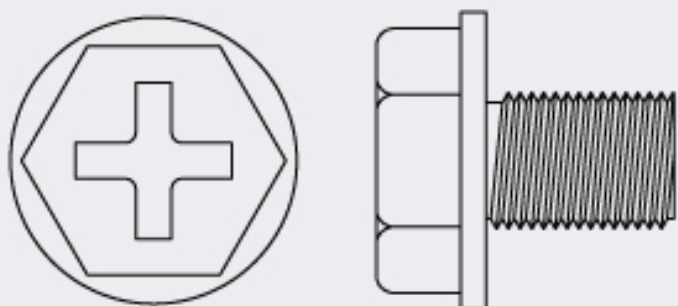
- * Top SSD: Max. Height 9.5 mm
- * Bottom SSD: Max. Height 7 mm

Installation Guide

7. Power Supply Installation



A

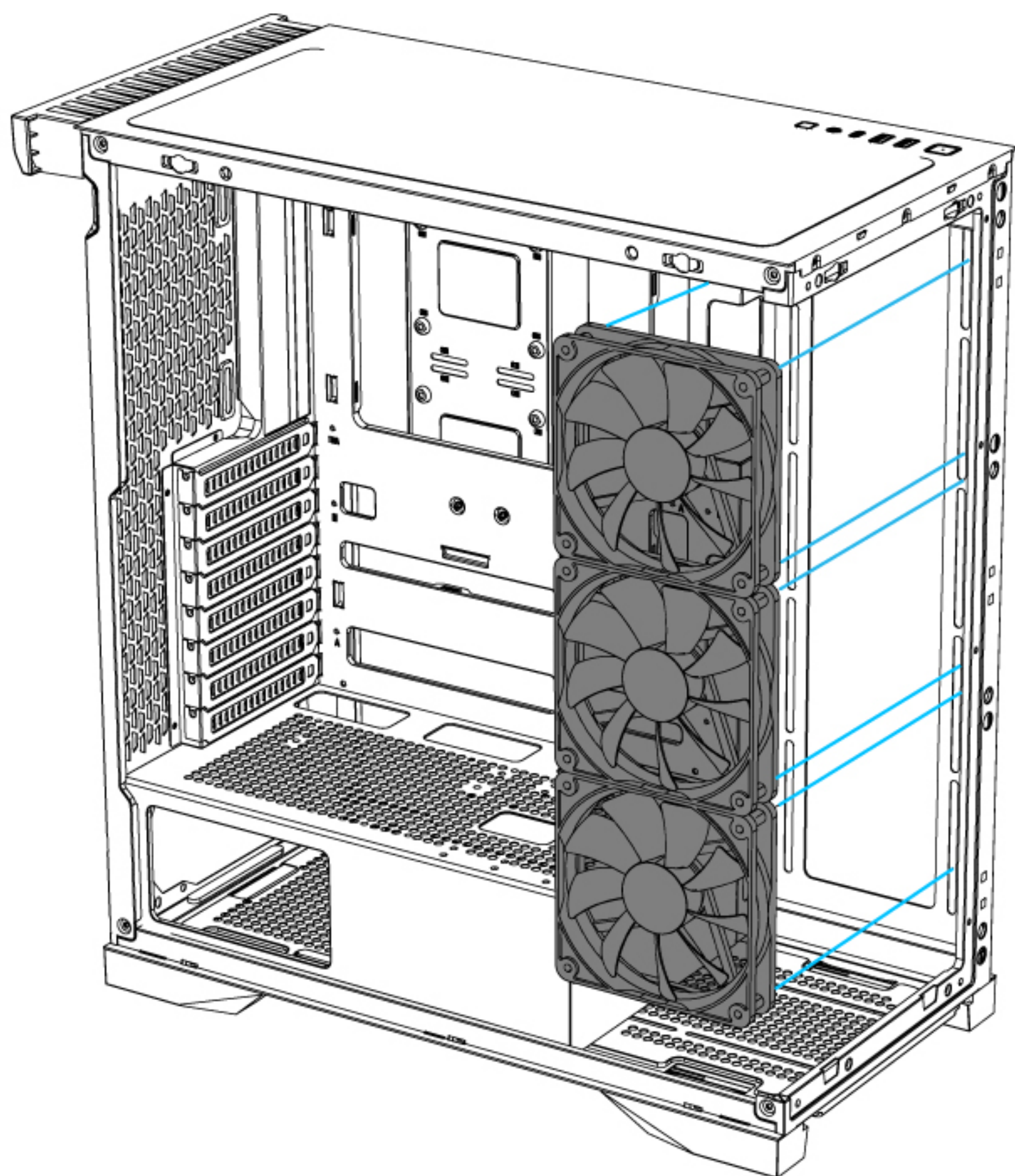


x4

Installation Guide

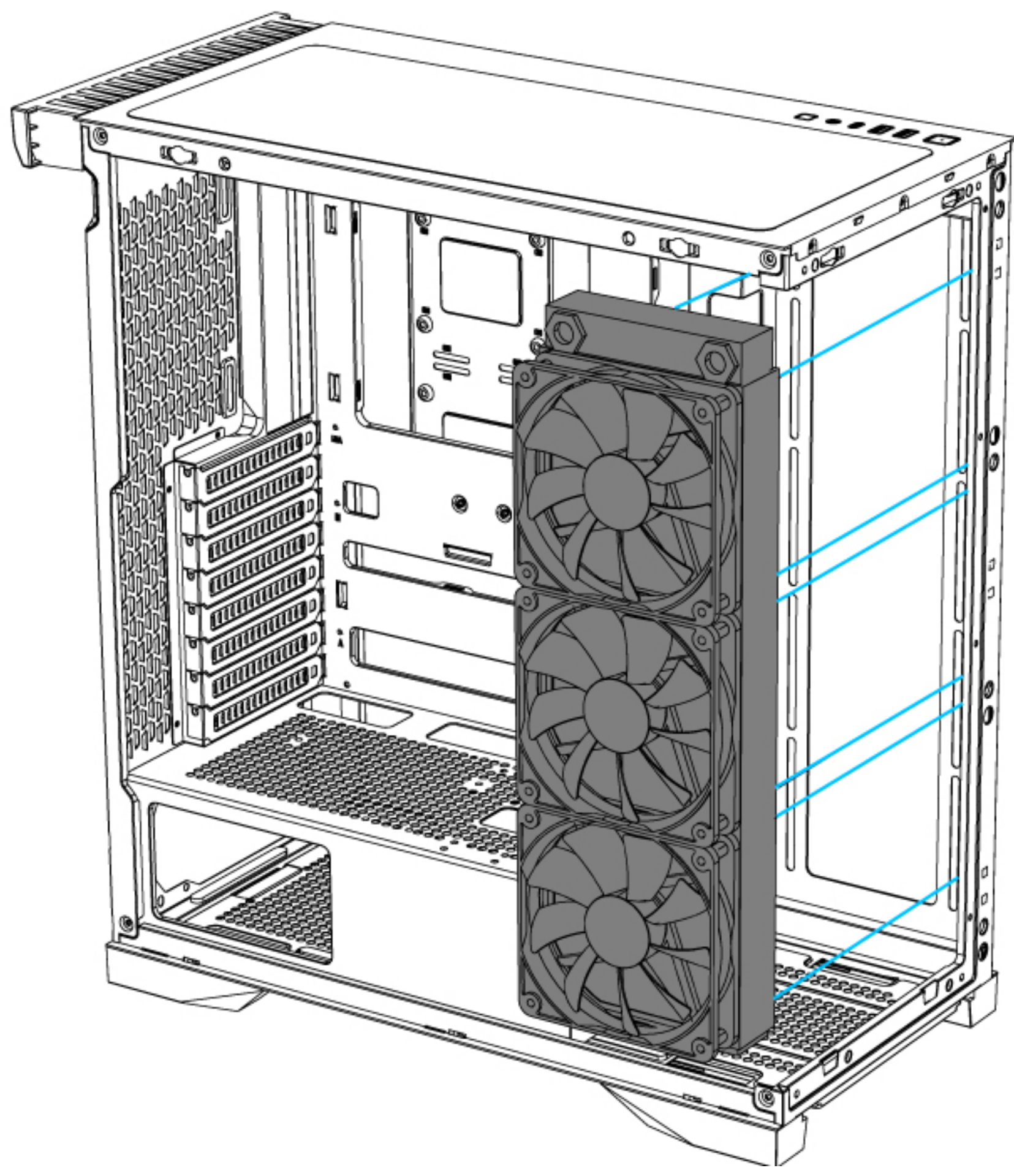
8. Fan / Radiator Installation

Side



▲
Fan

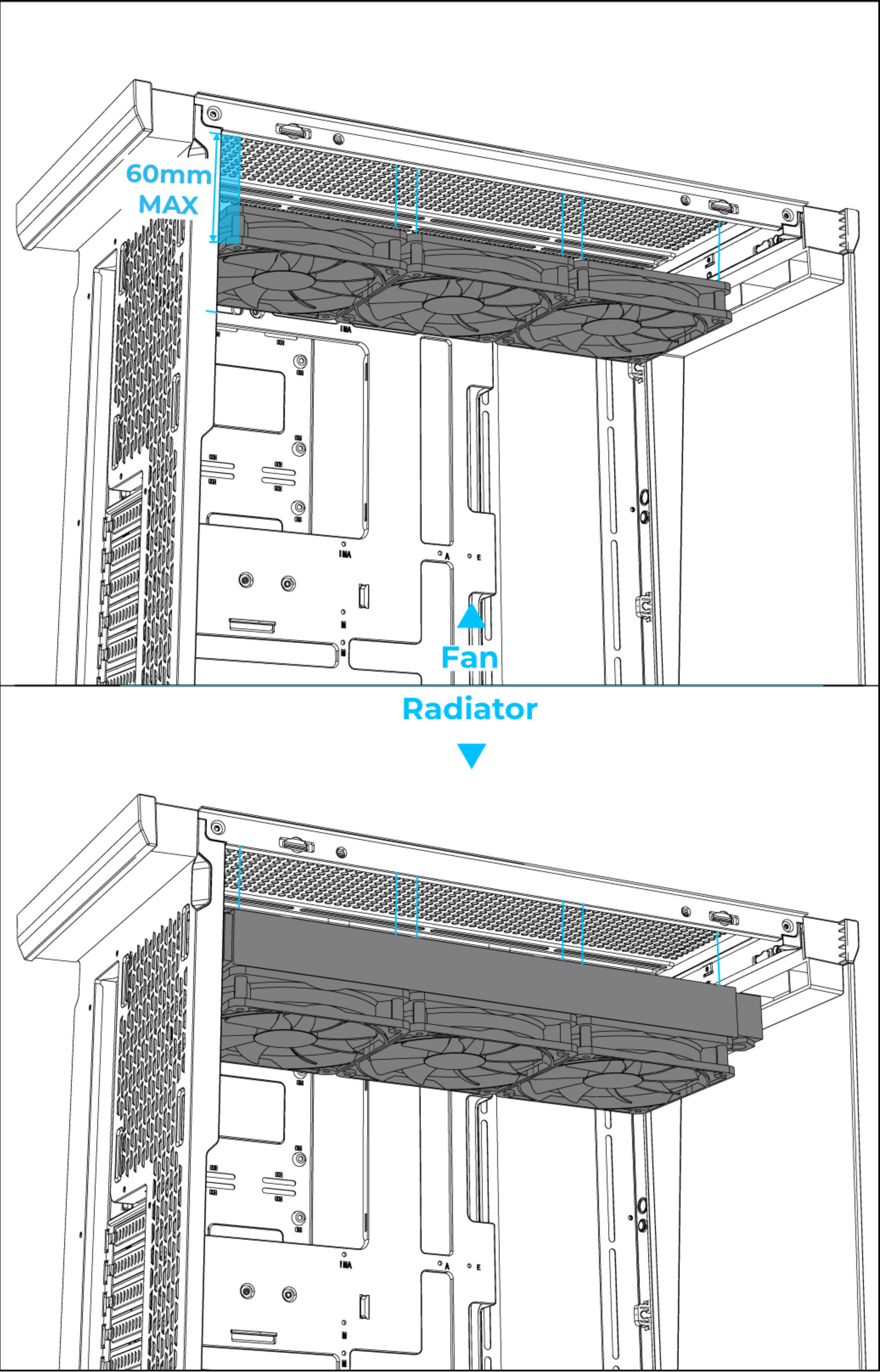
▼
Radiator



Installation Guide

8. Fan / Radiator Installation

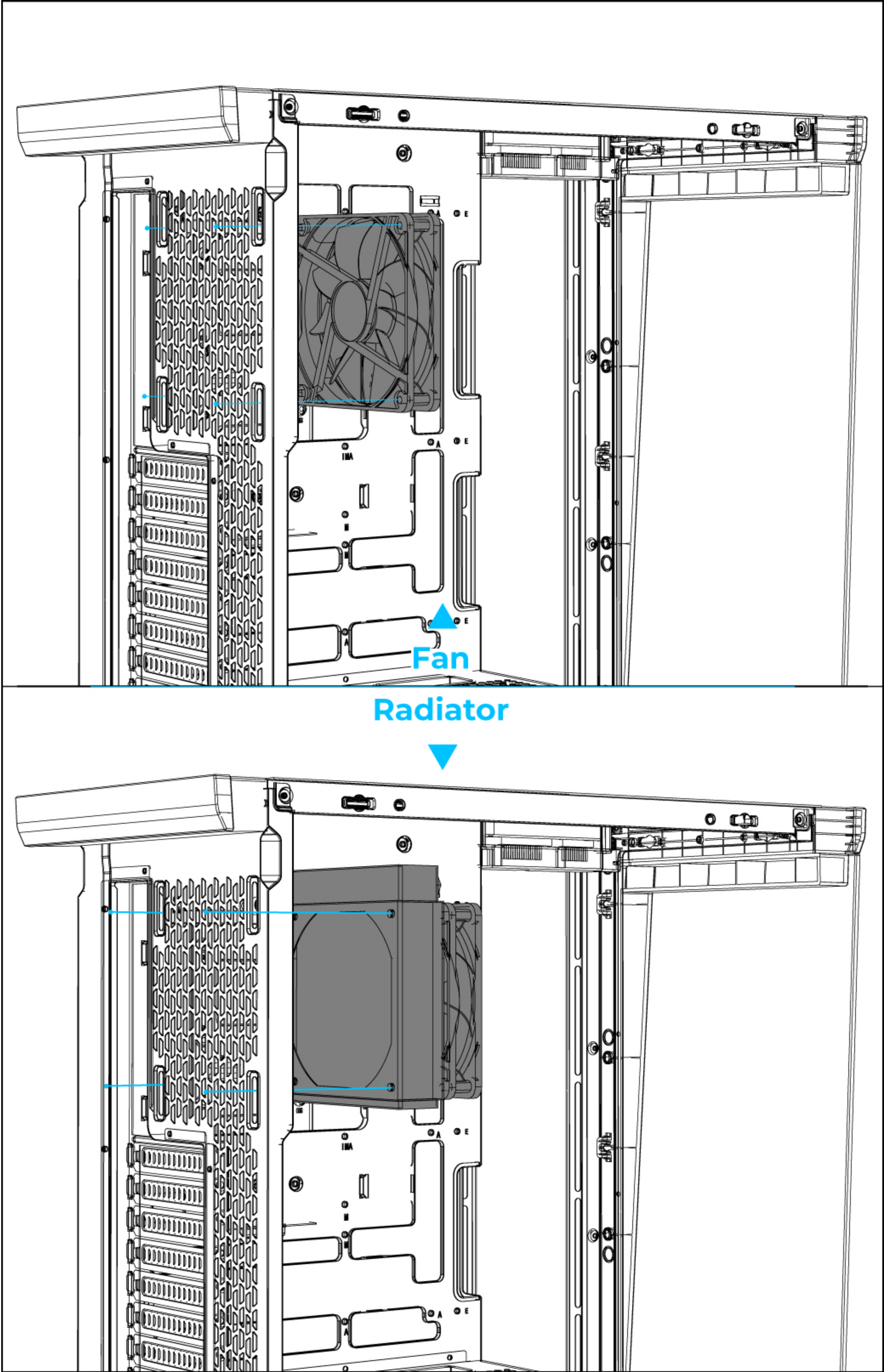
Top



Installation Guide

8. Fan / Radiator Installation

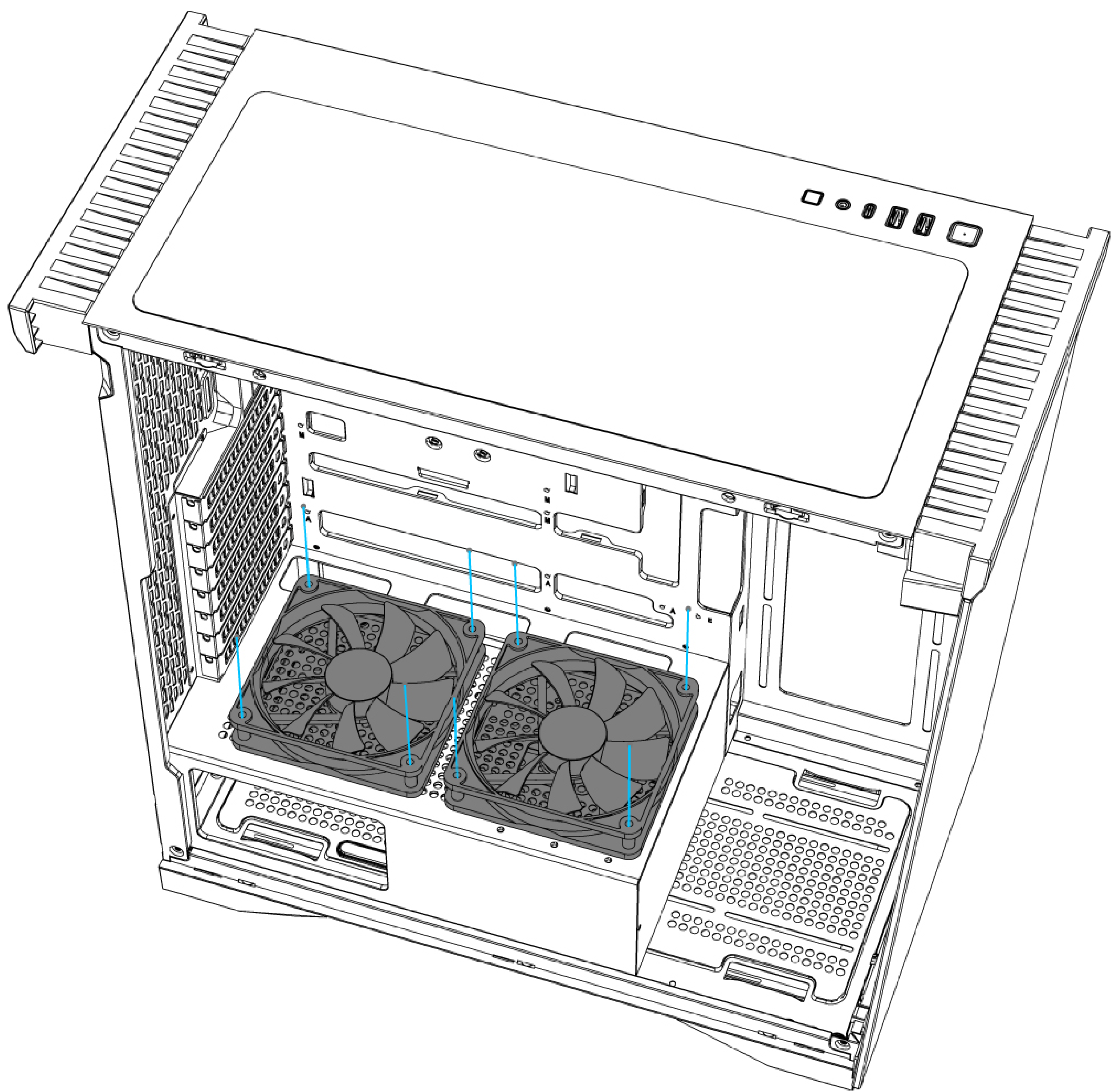
Rear



Installation Guide

8. Fan / Radiator Installation

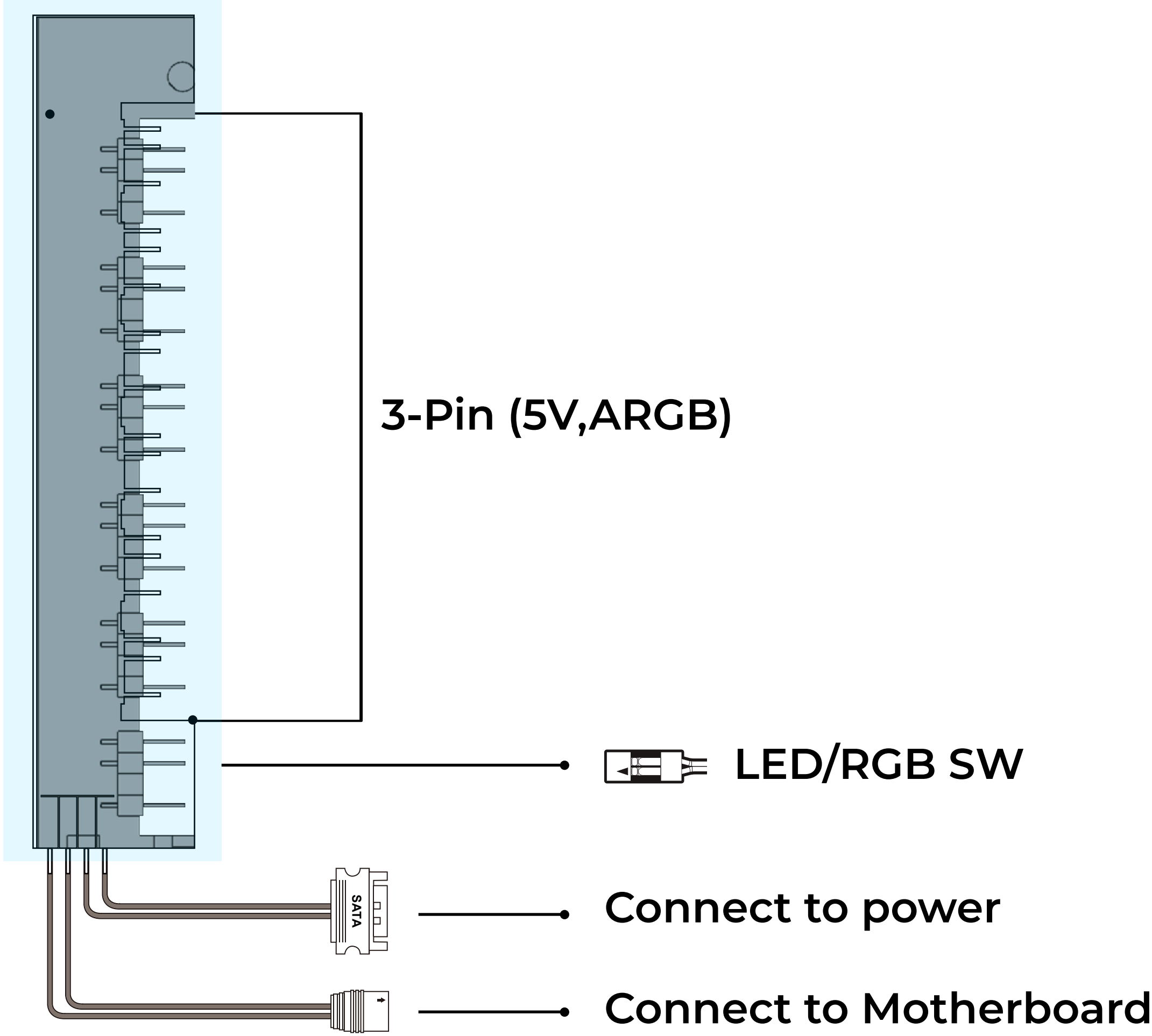
Bottom



* Screw length varies with fan thickness. Fan screws are not included.

Installation Guide

ARGB Hub



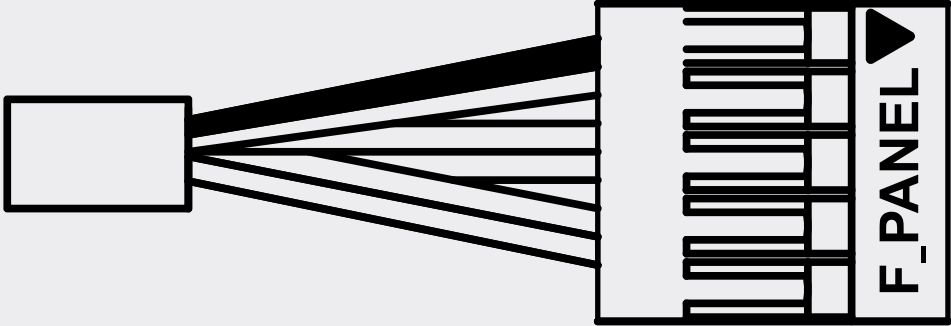
ARGB Fan Hub Light Control Instructions

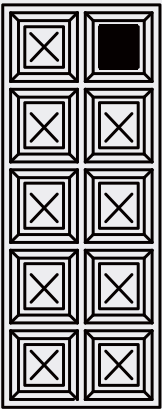
- 1. MODES: 19 LIGHTING VARIATIONS WITH POWER-OFF MEMORY.
- 2. SYNC: HOLD FOR 3 SECONDS; WHITE LIGHT FLASHES (1S) FOR MOTHERBOARD MODE.
- 3. OFF: HOLD FOR 6 SECONDS; WHITE LIGHT FLASHES (2S) TO TURN OFF.

1	LED-Red	11	Rainbow Breathing
2	LED-Yellow	12	Red Breathing
3	LED-Green	13	Yellow Breathing
4	LED-Cyan	14	Cyan Breathing
5	LED-Blue	15	Green Breathing
6	LED-White	16	Blue Breathing
7	LED-Purple	17	White Breathing
8	Light at the end of the tunnel	18	Purple Breathing
9	Rainbow Trail	19	Rainbow
10	Full Circle		

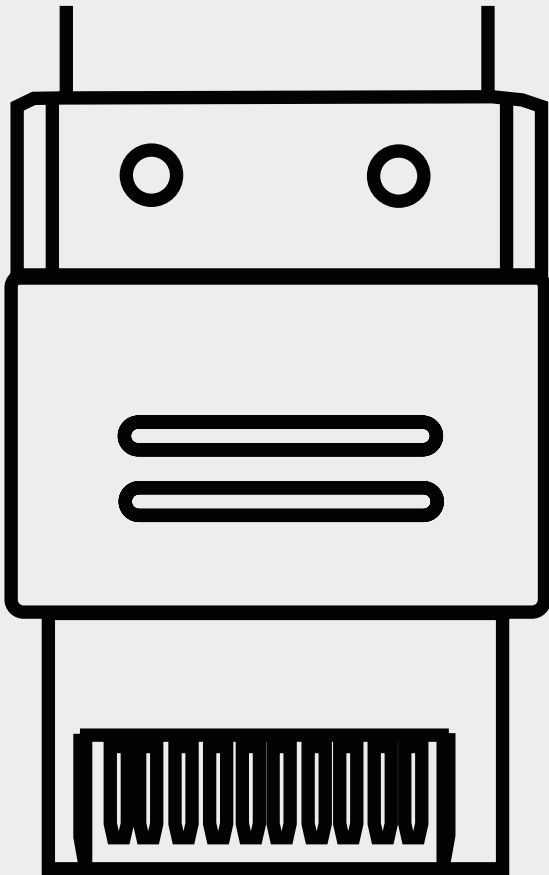
Cable Connection

F_PANEL

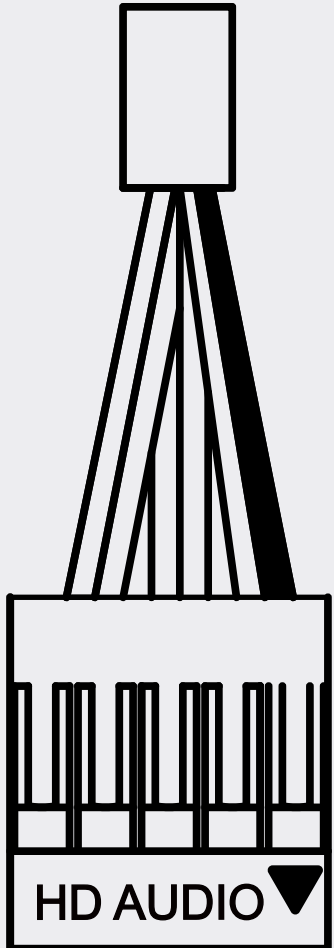


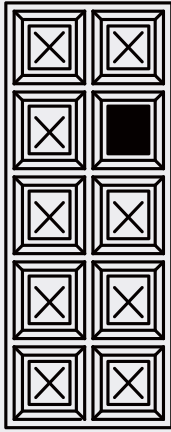
NC	10		9	KEY
NC	8		7	(POWER SW-)
NC	6		5	(POWER SW+)
NC	4		3	(POWER LED-)
NC	2		1	(POWER LED+)

USB 3.2 Gen 2x2 Type-C

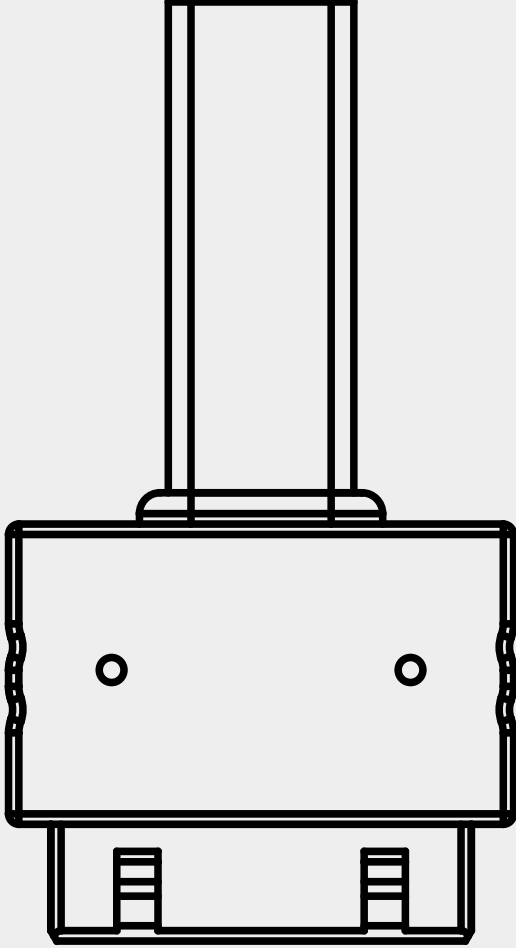


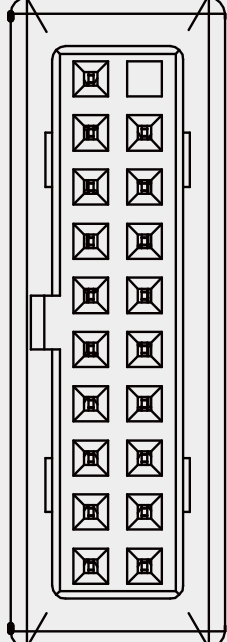
HD Audio Header



PORT2-L	BLUE	10		9	BROWN	SENSE2_R
SENSE_SEND	PURPLE	8		7	KEY	
PORT2_R	YELLOW	6		5	WHITE	SNSE1_R
PORT1_R	RED	4		3	ORANGE	PRESENCE#
PORT1_L	GREEN	2		1	BLACK	GND

USB 3.2 Gen 1



PIN#1		PIN#19
Vbus 1		19 Vbus
IntA_P1_SSRX- 2		18 IntA_P2_SSRX-
IntA_P1_SSRX+3		17 IntA_P2_SSRX+
GND 4		16 GND
IntA_P1_SSTX- 5		15 IntA_P2_SSTX-
IntA_P1_SSTX+ 6		14 IntA_P2_SSTX+
GND 7		13 GND
IntA_P1_D- 8		12 IntA_P2_D-
IntA_P1_D+ 9		11 IntA_P2_D+
ID USBOC-10		
PIN#10		PIN#11

Notices and Warranty

Notices

1. Please follow the user manual for installation guidelines.
2. When installing the computer components, please use antistatic precautions to prevent ESD (electrostatic discharge) damage. Failure to take the necessary precautions may result in injury to the installer and/or damage to the machine. Incorrect installation may burnout the motherboard and other system components.
3. To avoid any damages, please do not use this product for any other purpose than its intended use.
4. To avoid any damages, please do not use this product for any other purpose than its intended use.
5. Please remove all internal devices before shipping or moving. (Including power supply, hard drives, motherboard, CPU, etc.)
6. When storing the case, please keep this product away from high temperatures. Keep away from machines such as heaters that might cause high temperatures.
7. For more technical support, please visit the InWin Forum at <https://forum.in-win.com/>

Warranty

- * For more detailed warranty information, please visit the InWin retail website at www.in-win.com.
- * The actual product is subject to change without prior notice. In Win Development Inc. reserves the right to make final modifications.



***Innovation from
Inception to Integration***