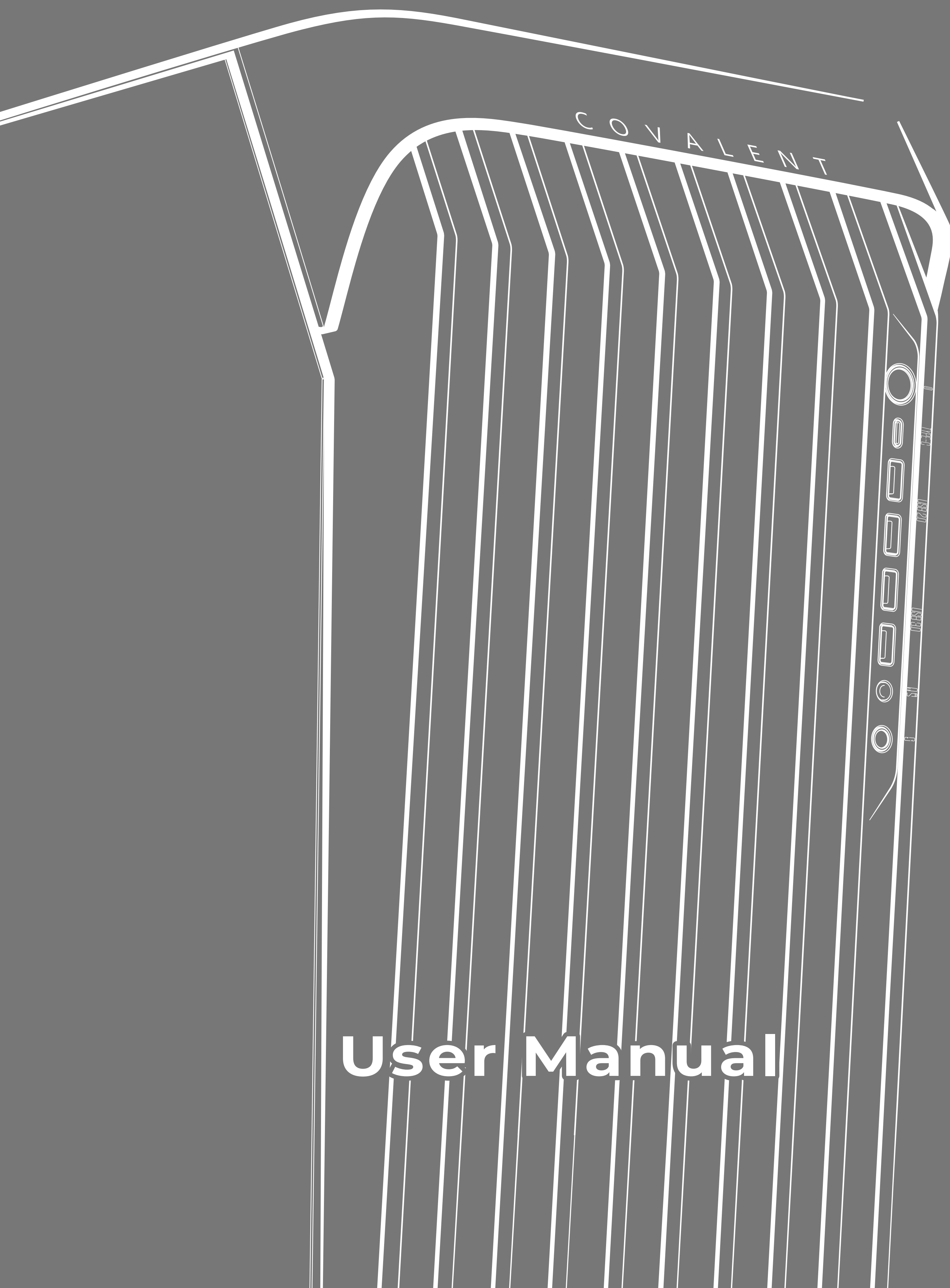


COVALENT

Full Tower



User Manual

Product Video Information



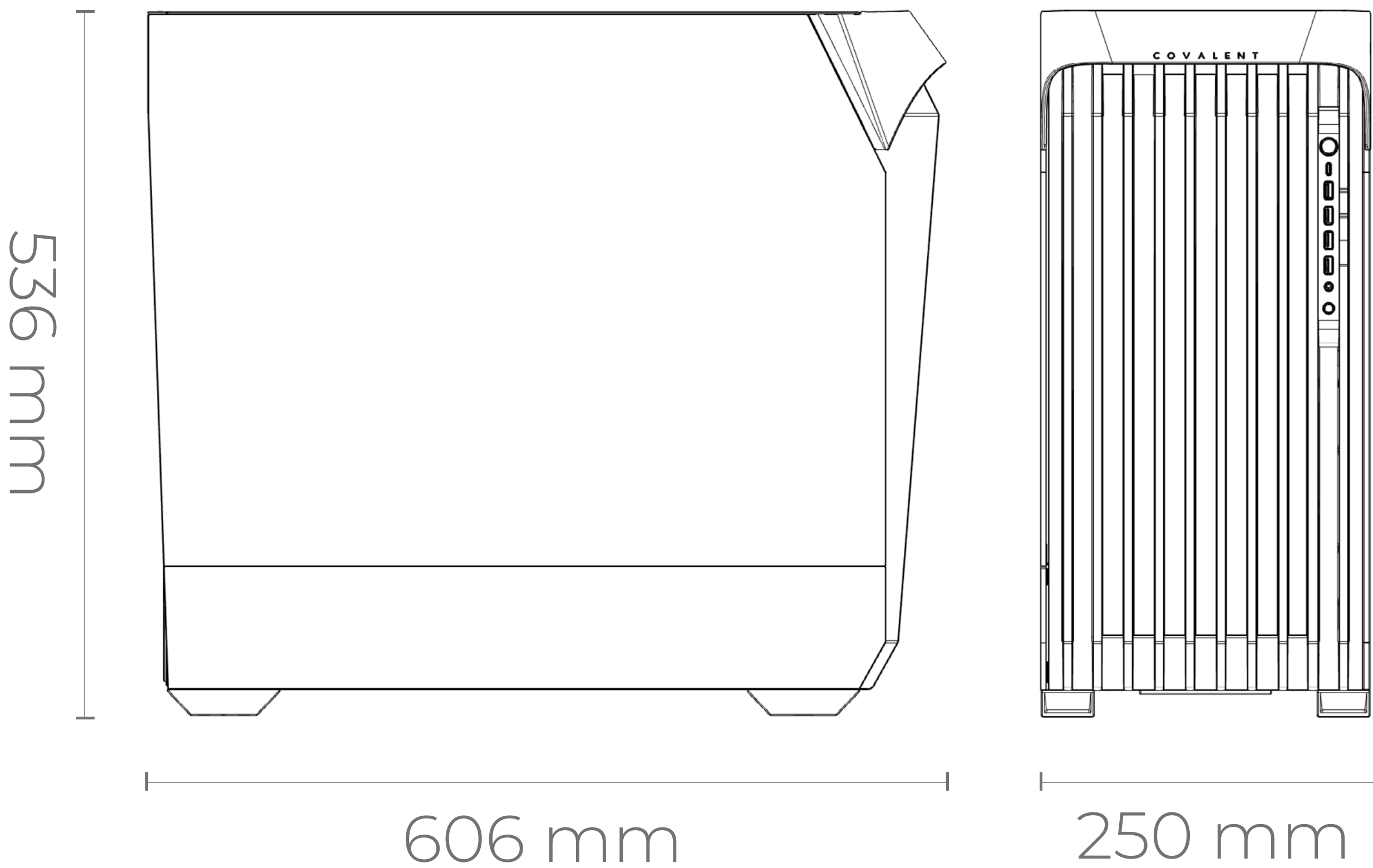
COVALENT
Product Video:



COVALENT
Installation Guide Video:

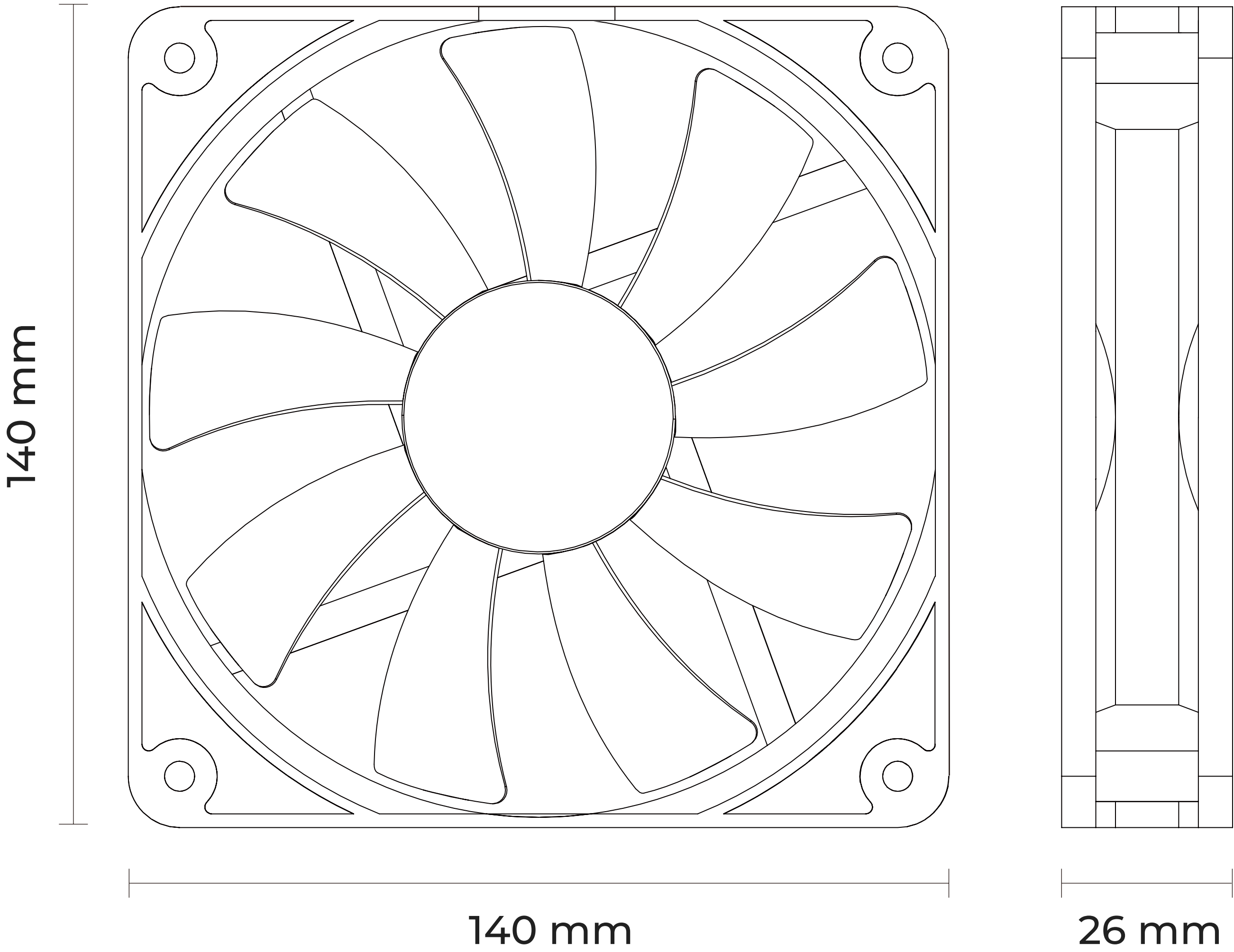


Specifications



Model	COVALENT	
Model Number	IW-CS-COVALENT-TG-4CV140	IW-CS-COVALENT-SP-4CV140
Colors	Black	
Case Type	Full Tower	
Materials	SPCC, Tempered Glass, Aluminium, ABS SPCC, SECC, Aluminium, ABS	
M/B Compatibility	EEB, 12" x 13" (305 x 330 mm) E-ATX, ATX, Micro-ATX, Mini-ITX	
Expansion Slots	8 x PCIe	
Maximum Compatibility	GPU Length: 480 mm CPU Heatsink Height: 190 mm	
I/O Ports	1 x USB 3.2 Gen 2x2 Type-C 2 x USB 3.2 Gen 1 2 x USB 2.0 HD Audio (CTIA - SPK/MIC) Power Button LED Lighting Control Switch	
Internal Drive Bays	1 x 3.5" / 2 x 2.5" 4 x 3.5" / 2.5"	
Thermal Solution Compatibility	Air Cooling Fans: Front: 3 x 120 / 140 mm (CV140 fan included) Top: 3 x 120 / 140 mm Rear: 1 x 120 / 140 mm (CV140 fan included) Bottom: 3 x 120 / 140 mm Side: 3 x 120 / 140 mm Water Cooling Radiator: Top: 1 x 360 / 420 mm Rear: 1 x 120 / 140 mm Side: 1 x 360 / 420 mm	
Power Supply Compatibility	PSII : ATX12V - Length up to 250 mm	
Product Dimensions (L x W x H)	606 x 250 x 536 mm 23.9 x 9.8 x 21.1"	
Package Dimensions (L x W x H)	692 x 353 x 626 mm 27.2 x 13.9 x 24.6"	
Net Weight	14.3 kg / 31.5 lb	13.9 kg / 30.6 lb
Gross Weight	16.5 kg / 36.4 lb	16.1 kg / 35.5 lb
* InWin's products comply with RoHS regulation. * Specifications may vary based on different regions.		

Specifications

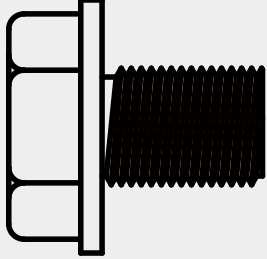
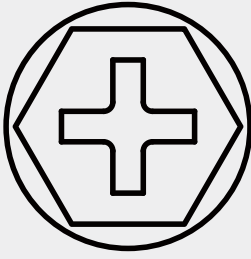


Model	CV140
Colors	Black
Fan Size	140 x 140 x 26 mm
Materials	PBT, PC
Rated Voltage	DC 12V
Rated Power	3W
Rated Current	0.25A
ARGB Rated Voltage	DC 5V
ARGB Rated Power	1.65W
ARGB Rated Current	0.33A
Speed Mode	PWM 600 - 1200 RPM
Air Flow	62.95 CFM
Air Pressure	1.2 mm / H2O
LED	Addressable RGB
Connector to M/B	4-Pin (12V, PWM), 3-Pin (5V, ARGB)
Noise Level	24.4 dB(A)
Bearing Type	Hydraulic Bearing

* InWin's products comply with RoHS regulation.
* Specifications may vary based on different regions

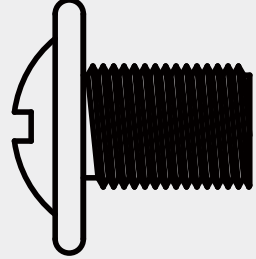
Accessories Bag

A



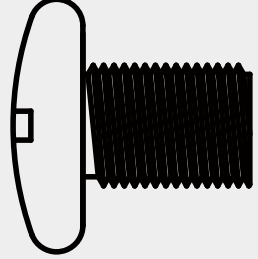
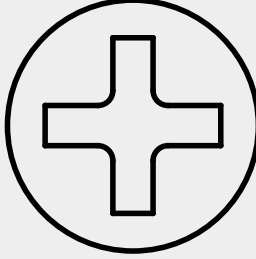
x4

B



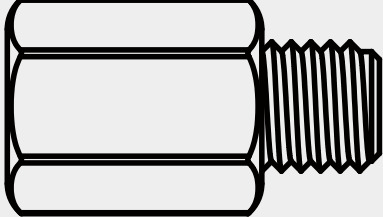
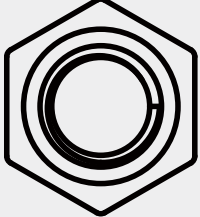
x30

C



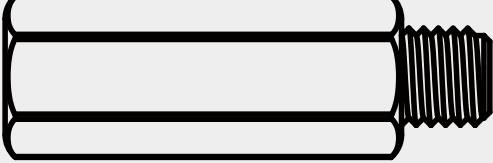
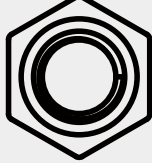
x20

D



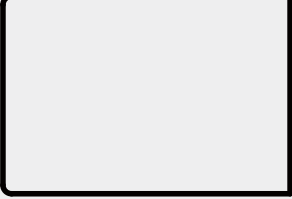
x4

E



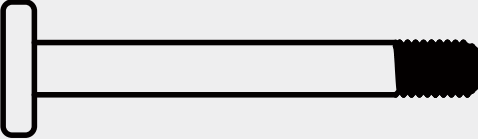
x4

F



x1

G



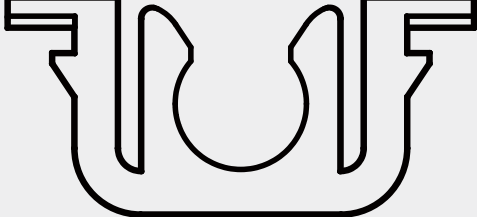
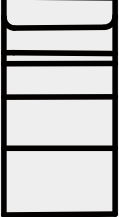
x12

H



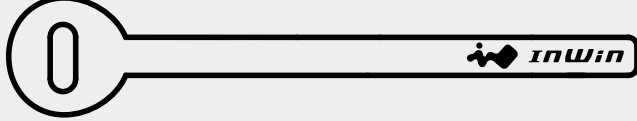
x5

I



x2

J



x8

K



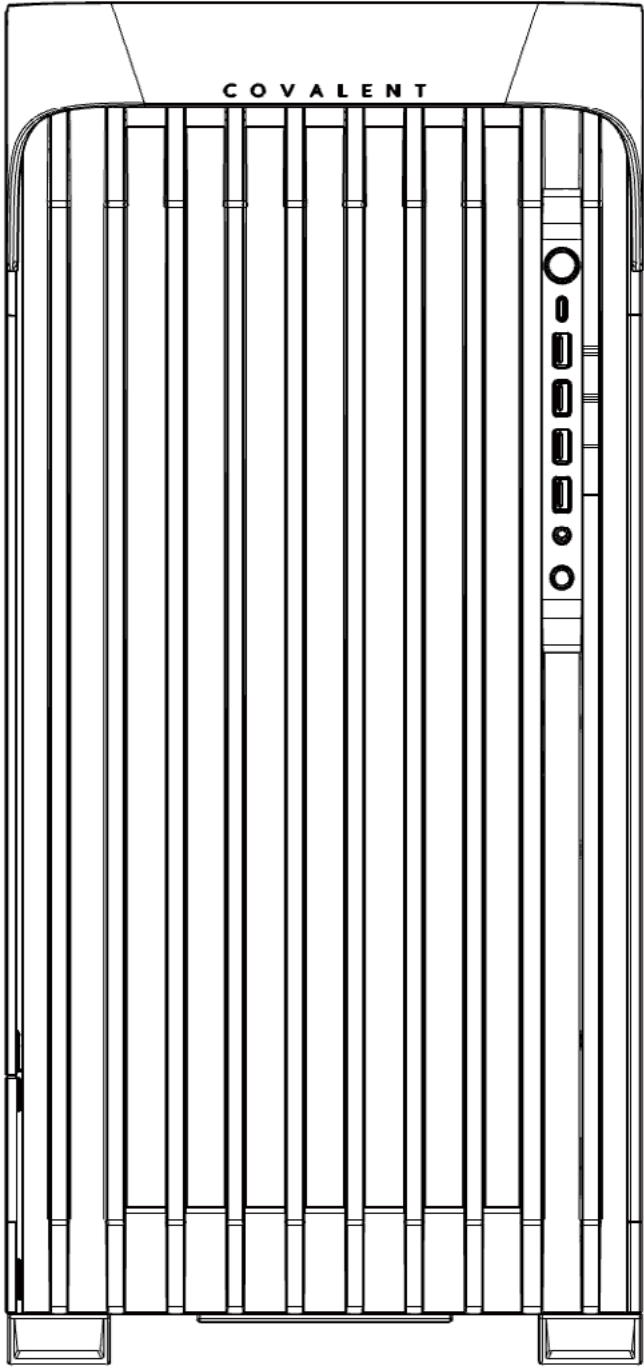
x1

A	PSU screws	G	Radiator Screws
B	Motherboard/2.5" SSD screws	H	Cable Ties
C	3.5" HDD Screws	I	Plastic Buckle
D	Motherboard Standoffs	J	Velcro Strips
E	GPU Stand-offs	K	QR Code Card
F	Motherboard Standoff Socket		

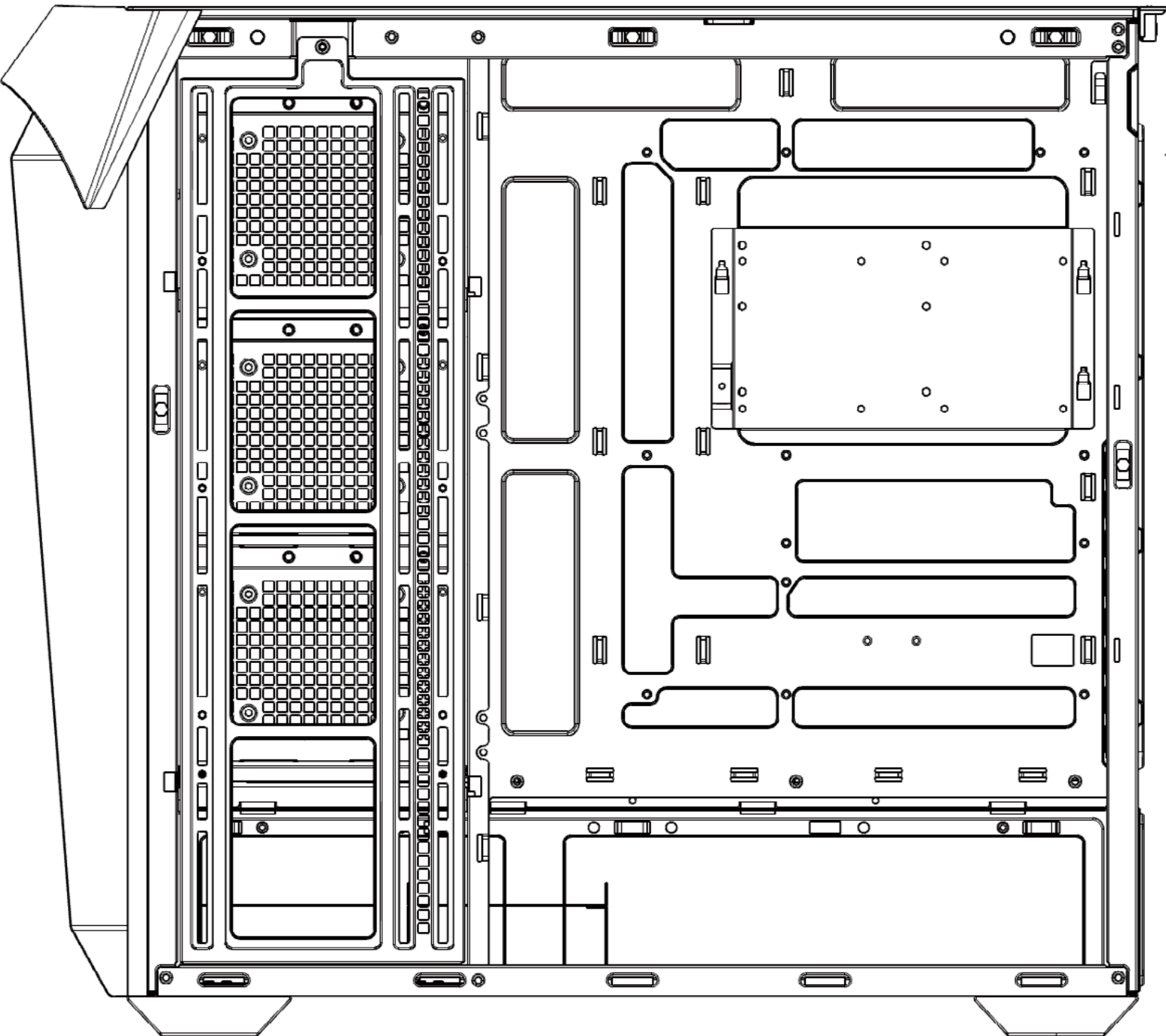
Case Structure



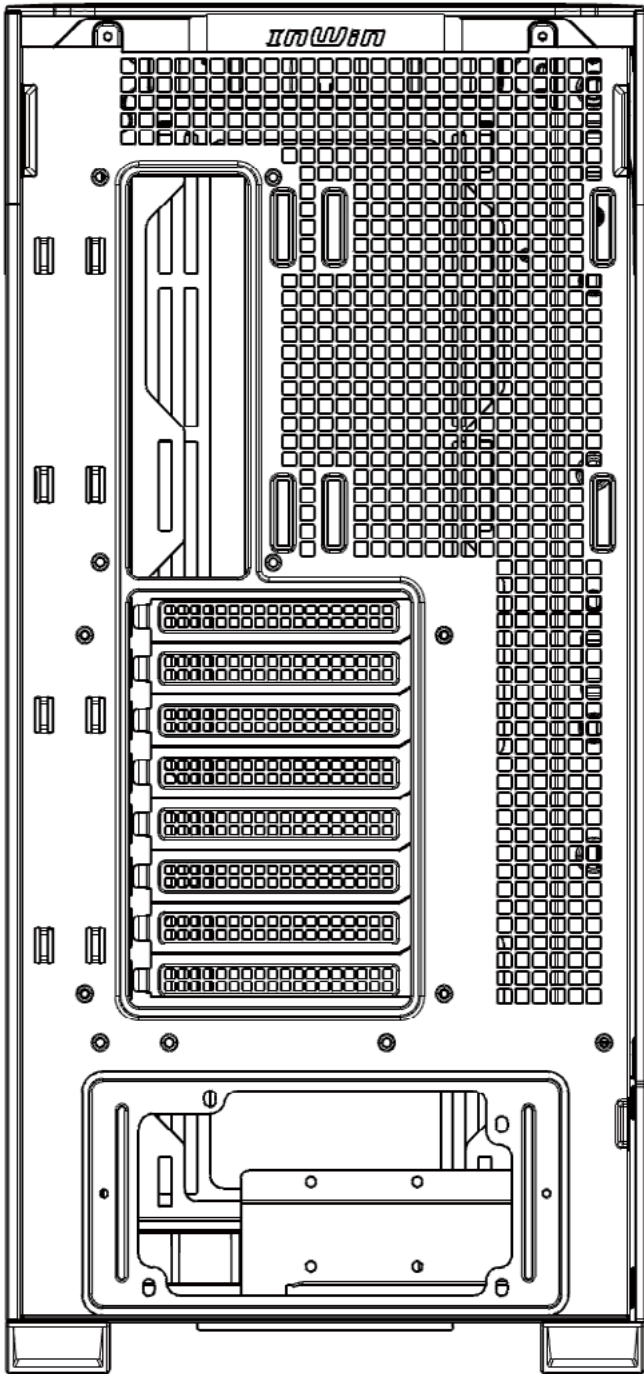
Top



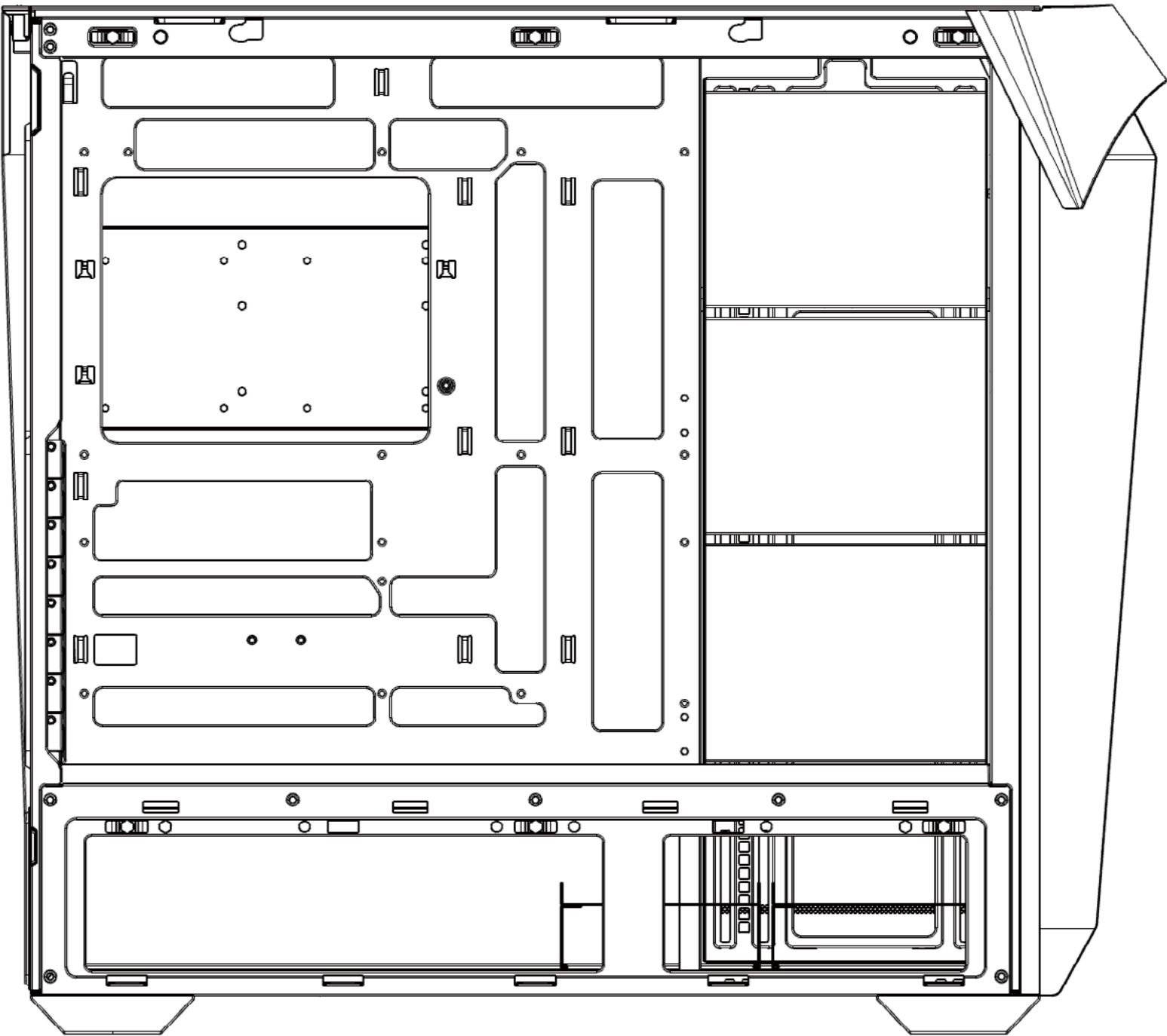
Front



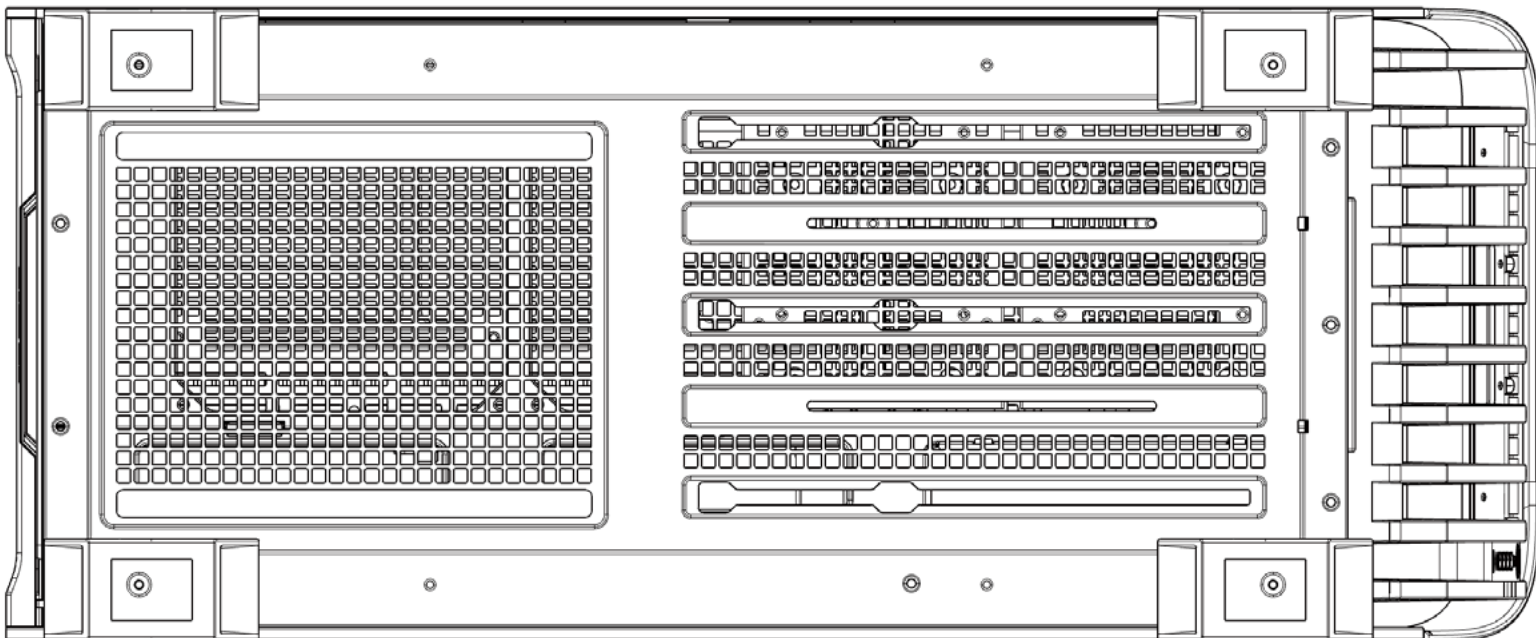
Right



Rear

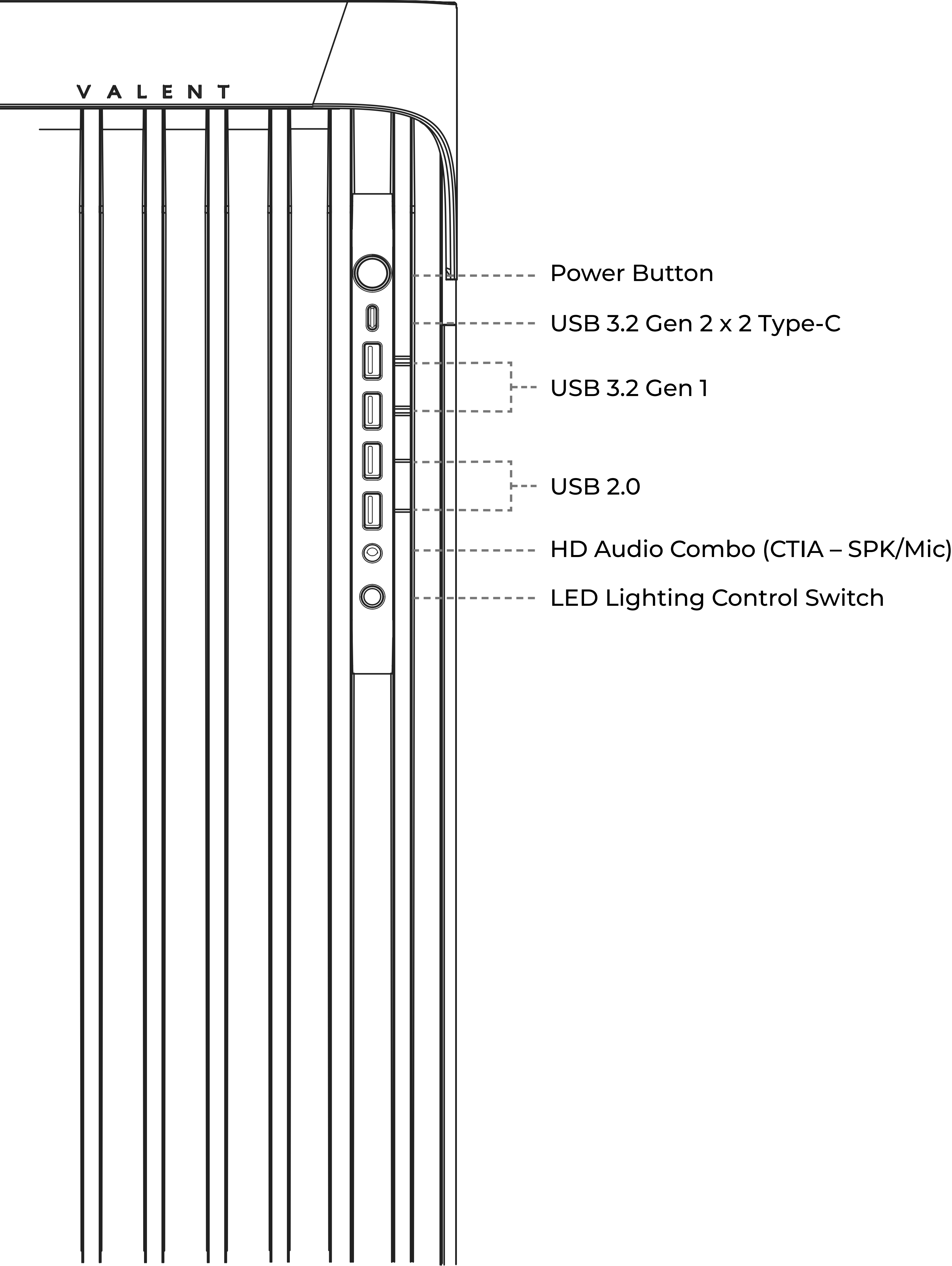


Left

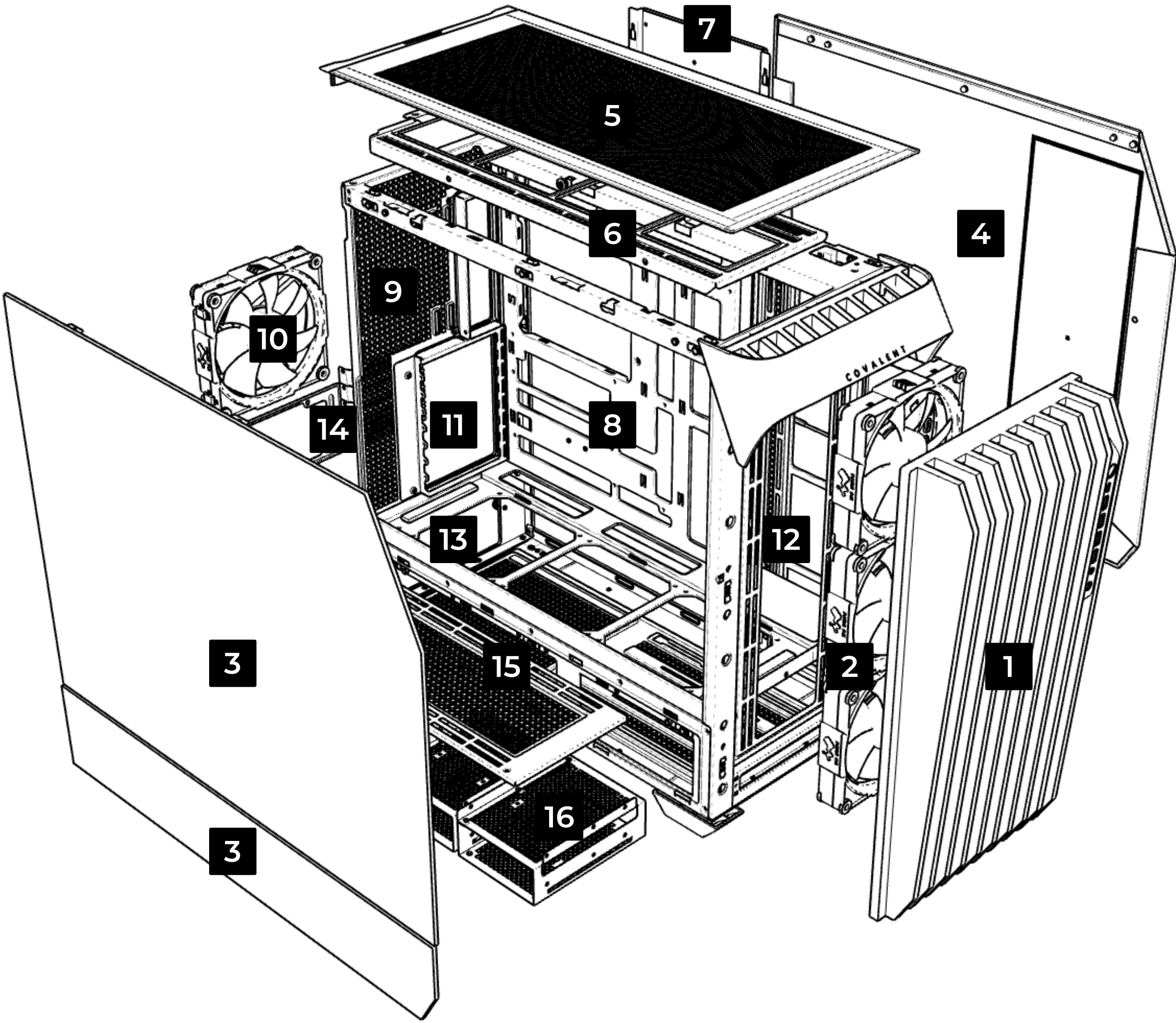


Bottom

Case Structure



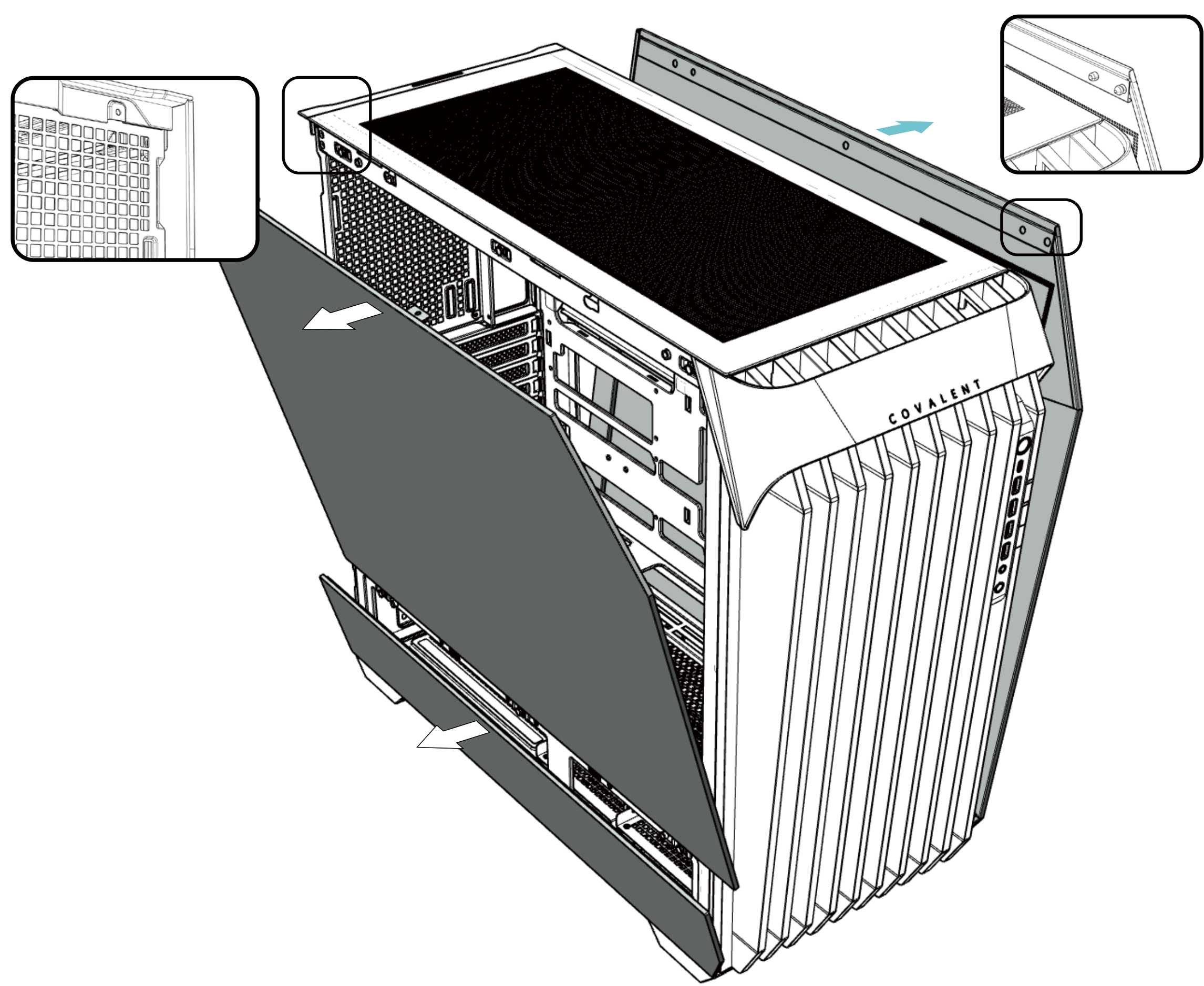
Case Structure



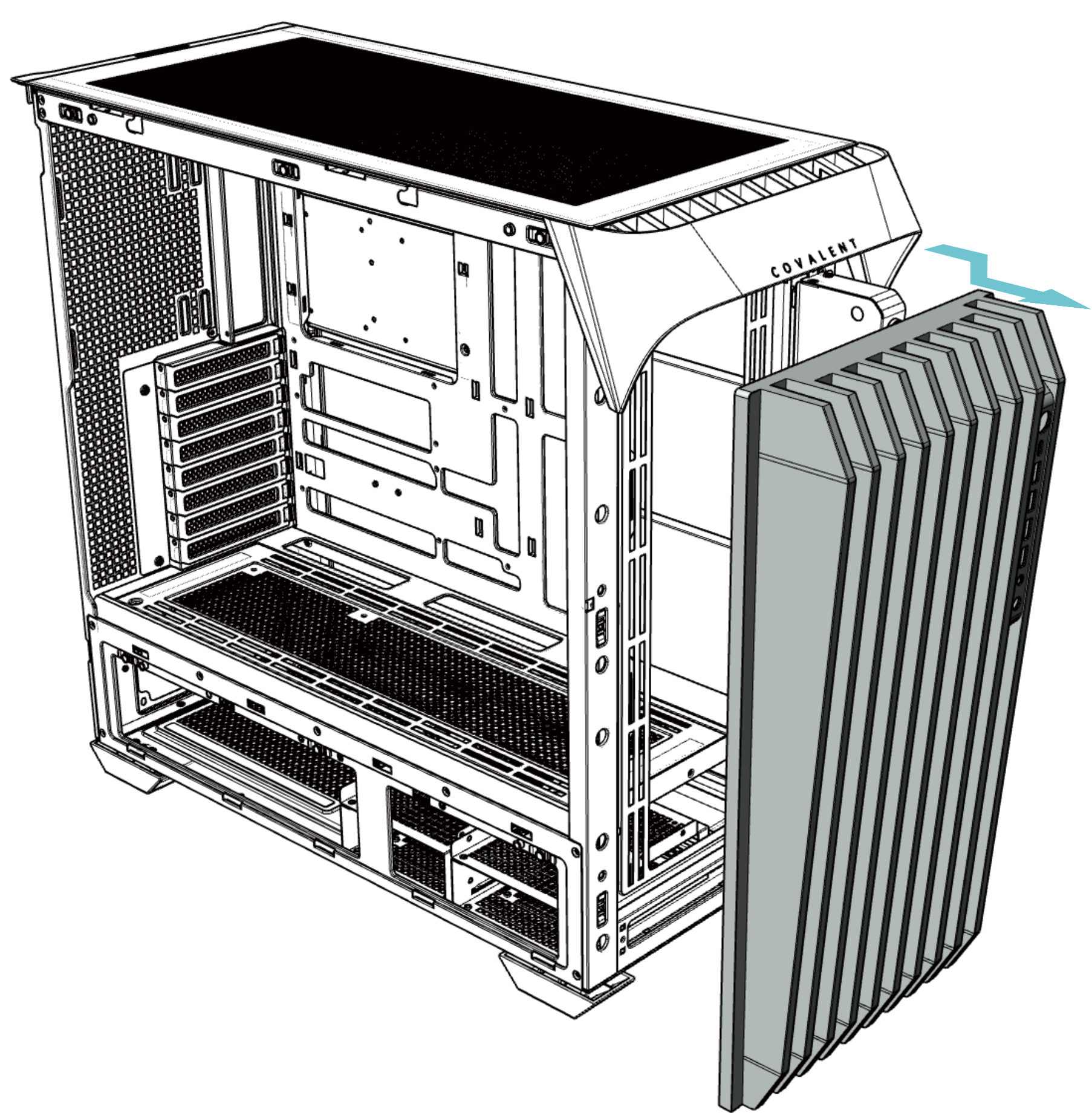
1	Front Panel	9	Rear Fans / Radiator Mounting Area (1 InWin CV140 Fan Pre-Installed)
2	Front Fans Mounting Area (3 InWin CV140 Fans Pre-Installed)	10	InWin CV140 Fan
3	Tempered Glass Side Panel / SECC steel Panel	11	PCIe Expansion Slots
4	SPCC Side Panel	12	Side Fans / Radiator Mounting Area
5	Top Panel	13	Power Supply Mounting Area
6	Top Fans / Radiator Mounting Area	14	PSU Bracket
7	Rear 2.5" / 3.5" Drive Bays	15	Bottom Fans / Radiator Mounting Area
8	Motherboard Mounting Area	16	Bottom 2.5" / 3.5" Drive Bays

Installation Guide

Opening the Chassis



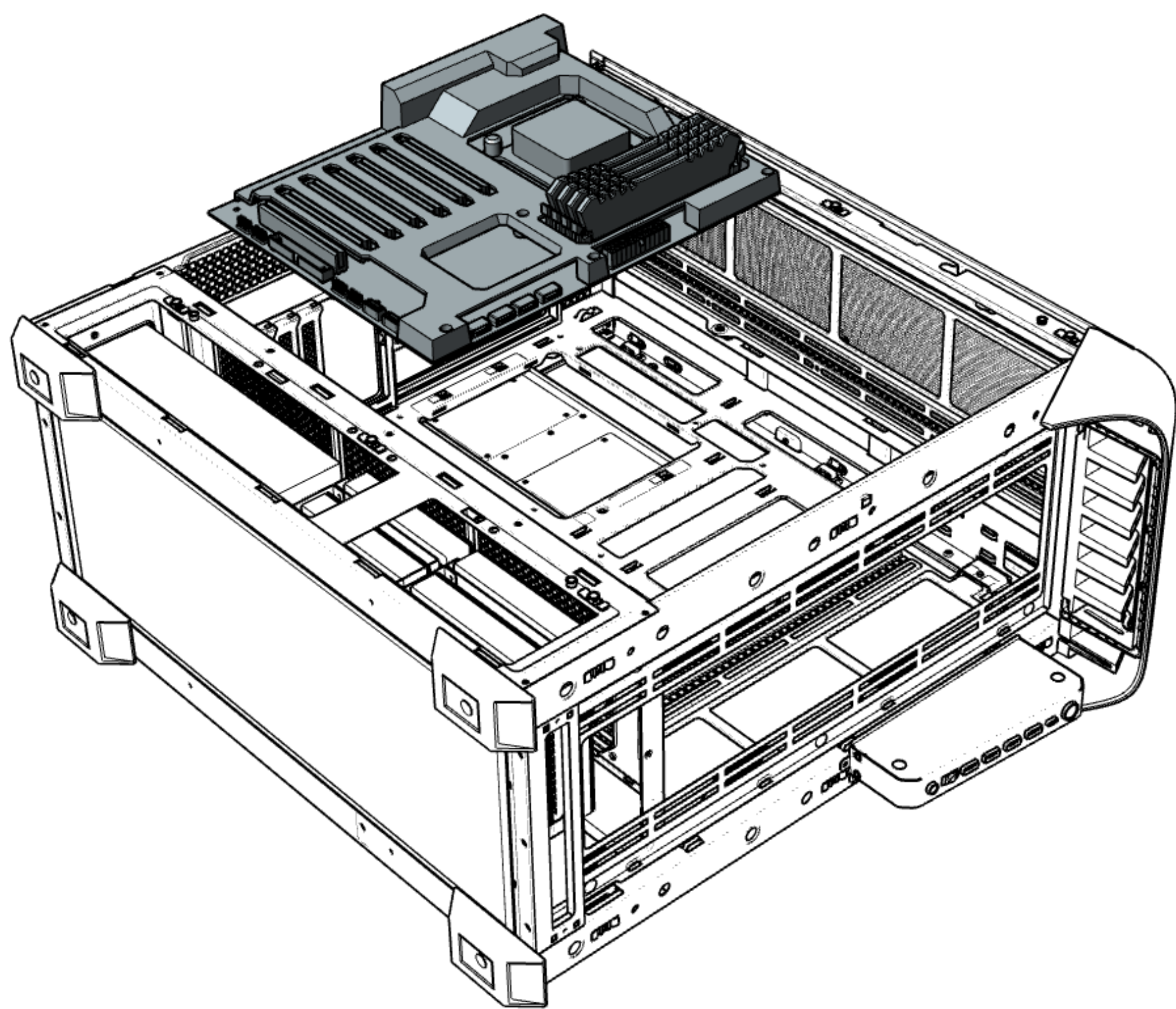
Remove Front Panel



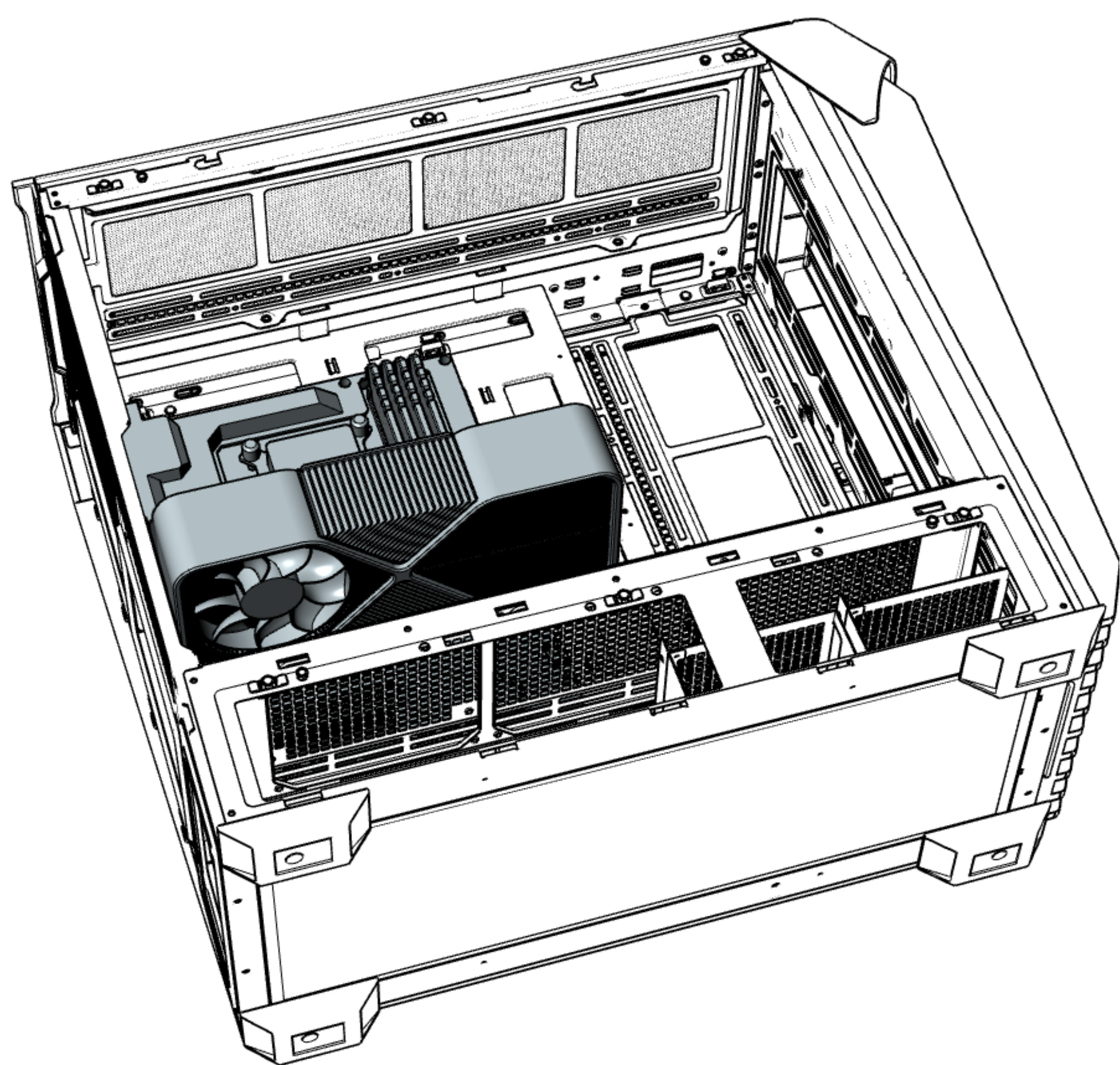
Installation Guide

Motherboard Installation

* Remove the Rubber Grommet Cover to install E-ATX/EEB motherboards.

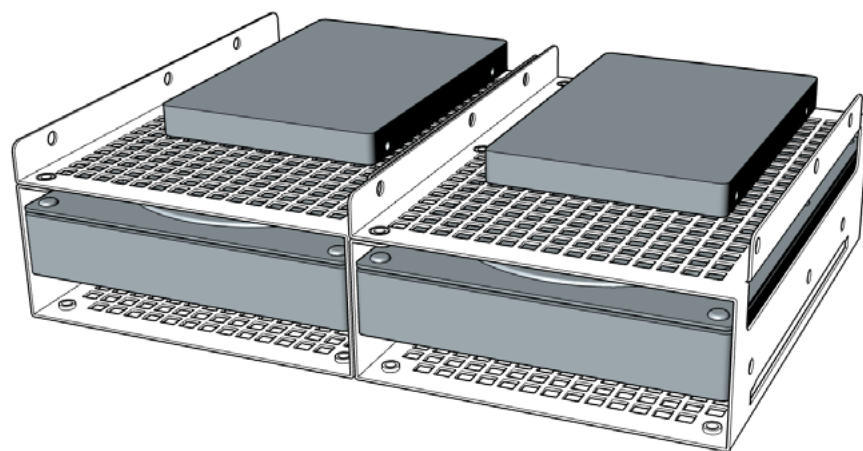
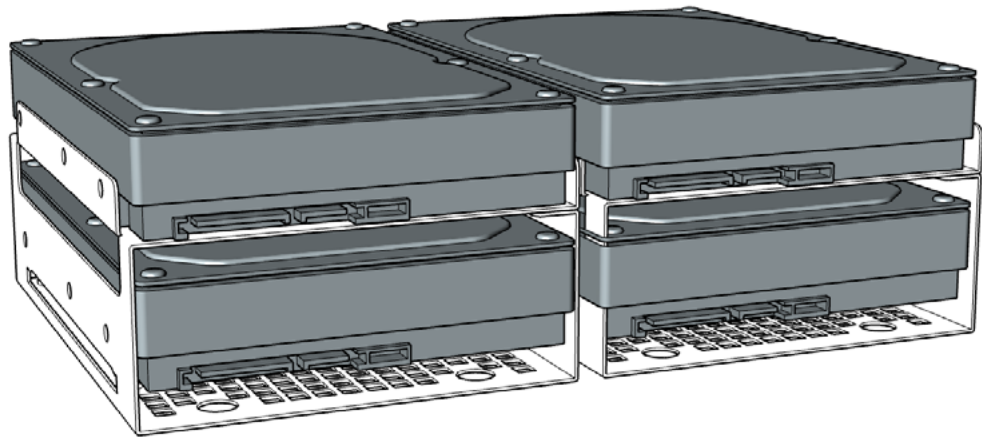
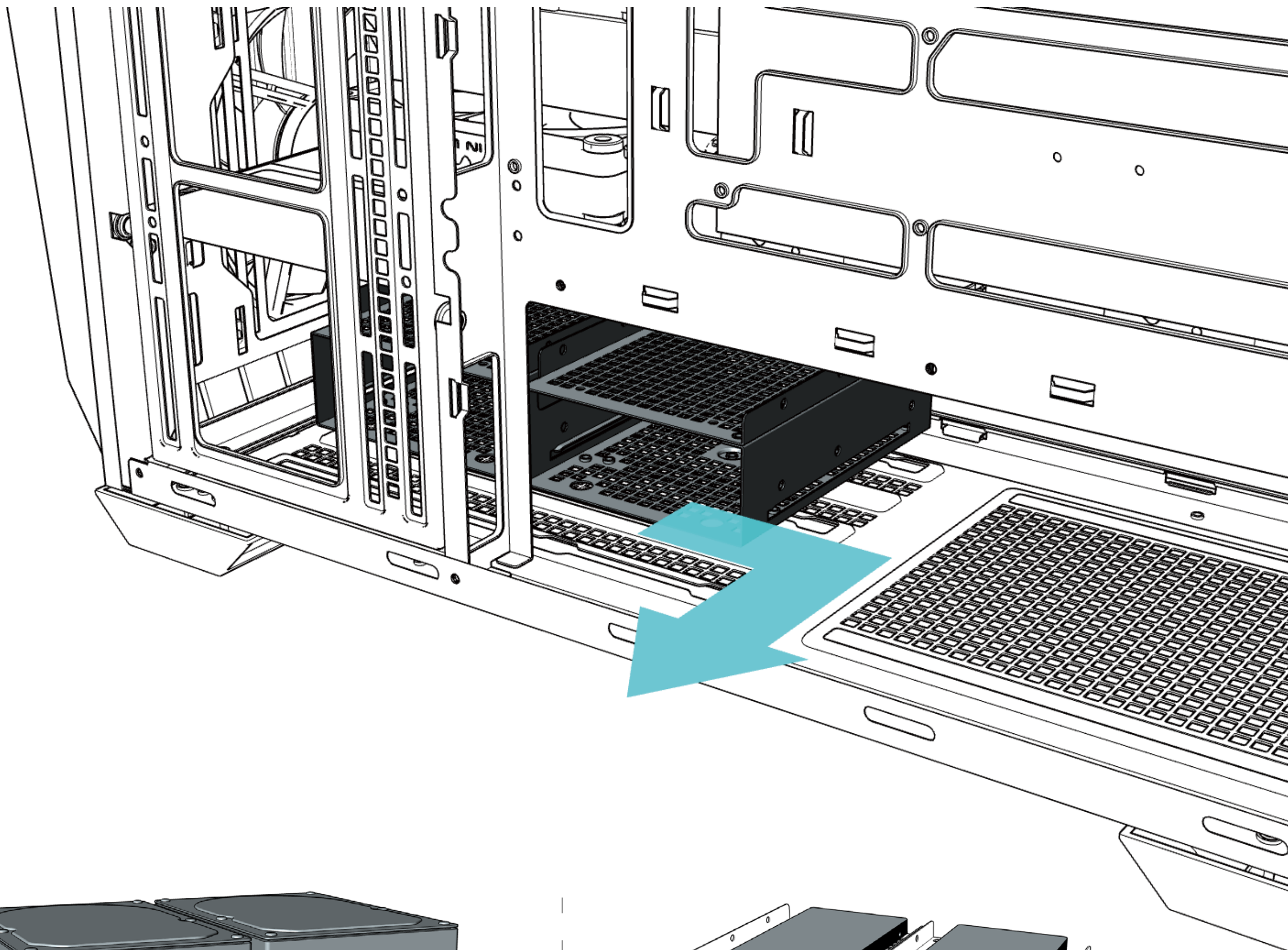
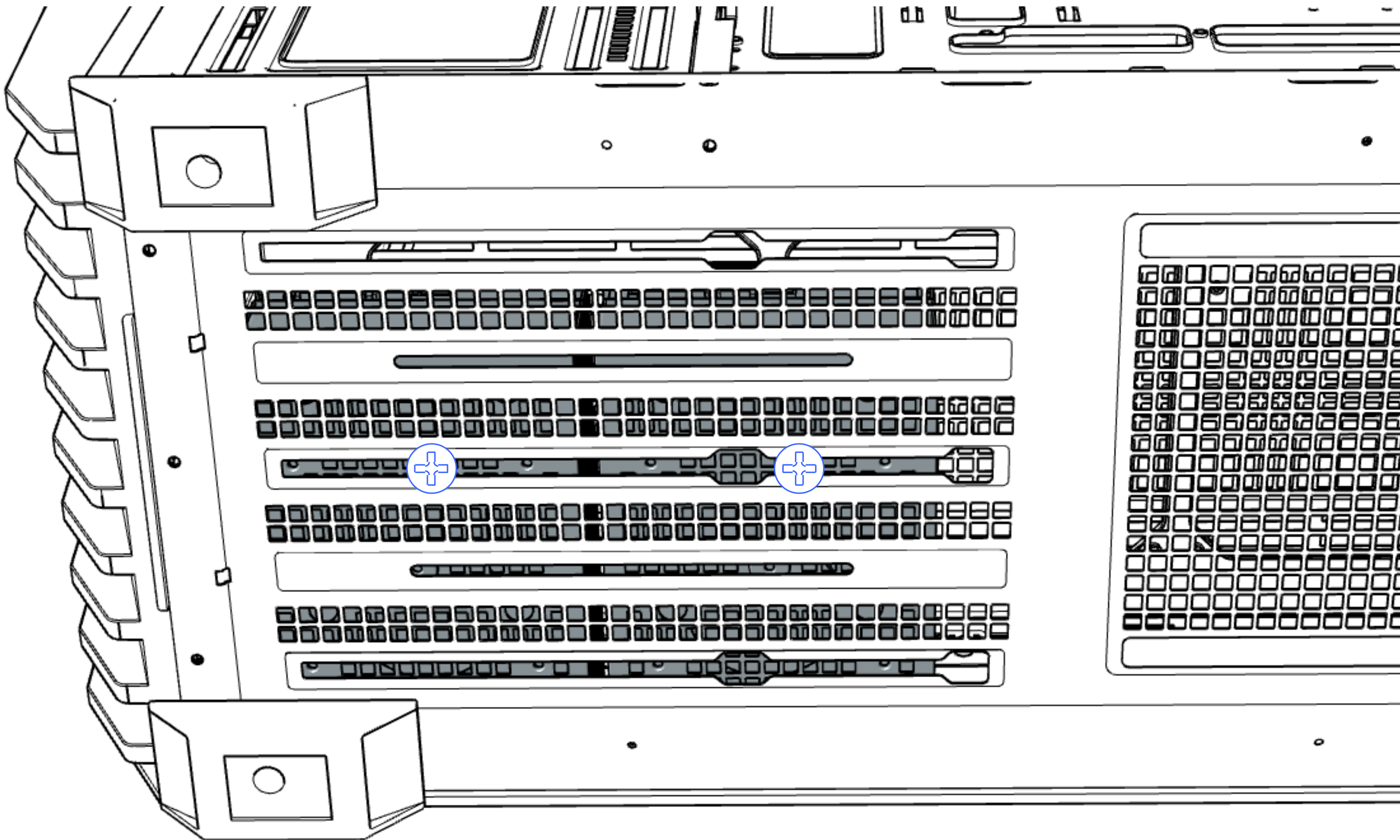


Graphics Card Installation



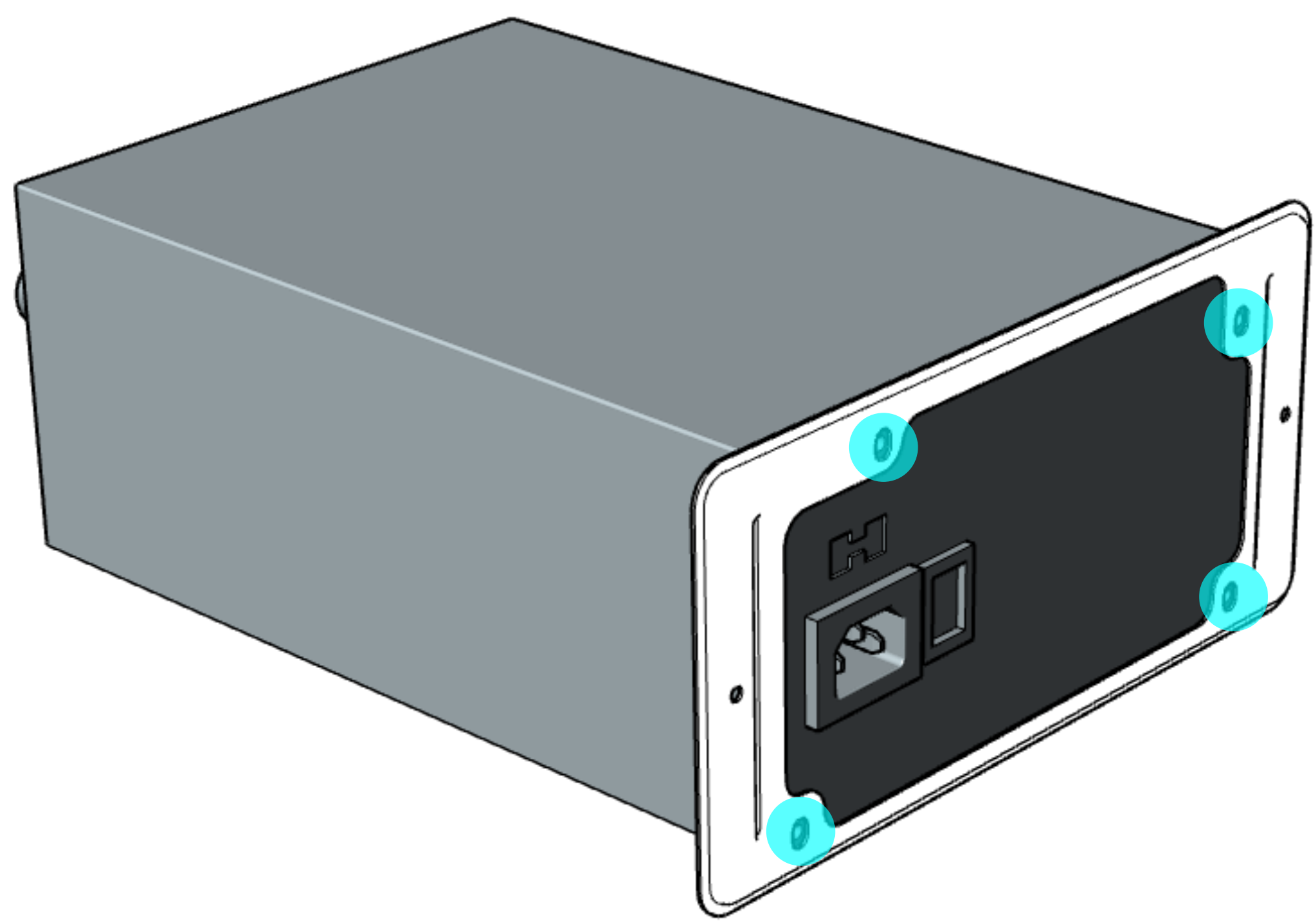
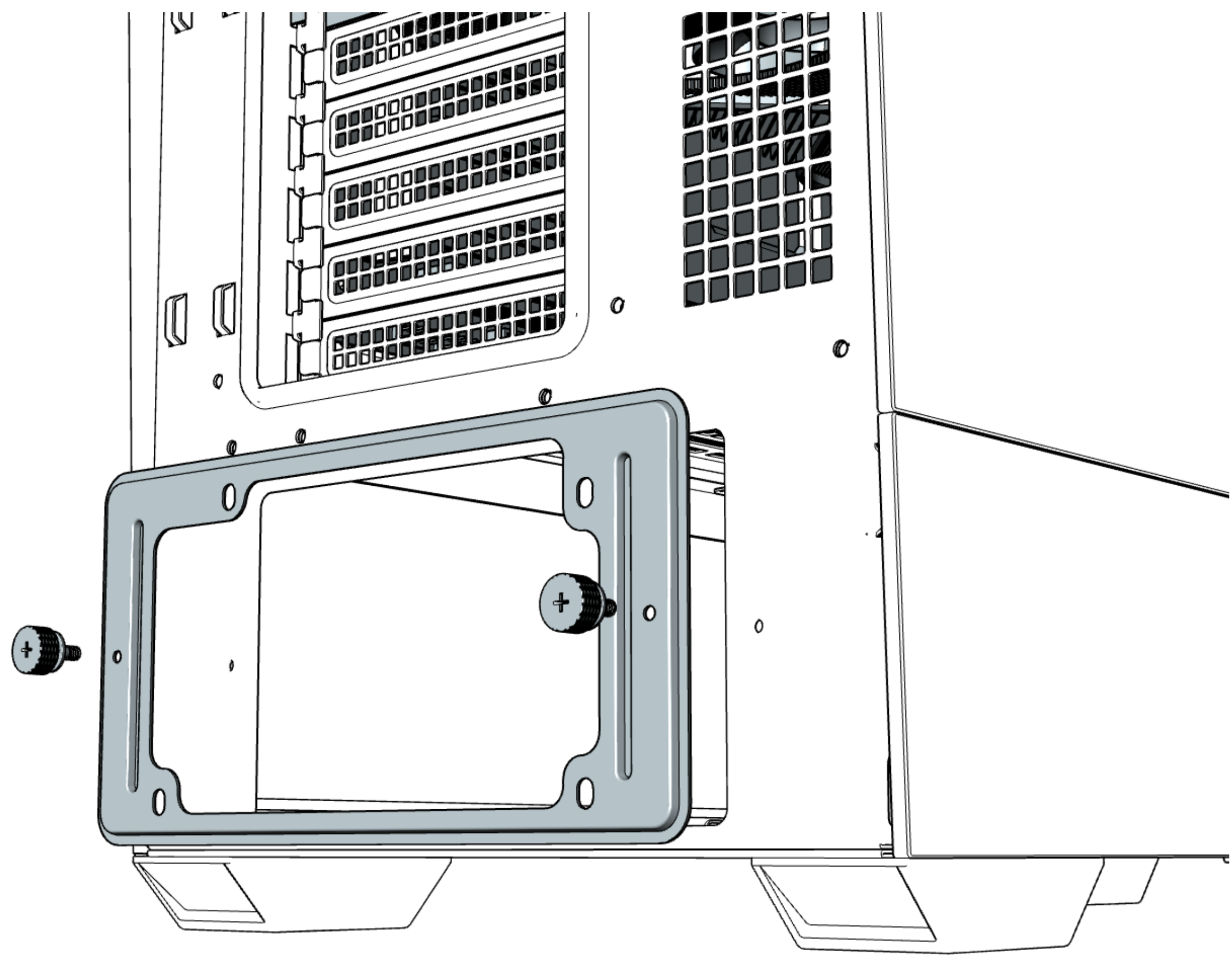
Installation Guide

2.5" / 3.5" Drive Bays Installation



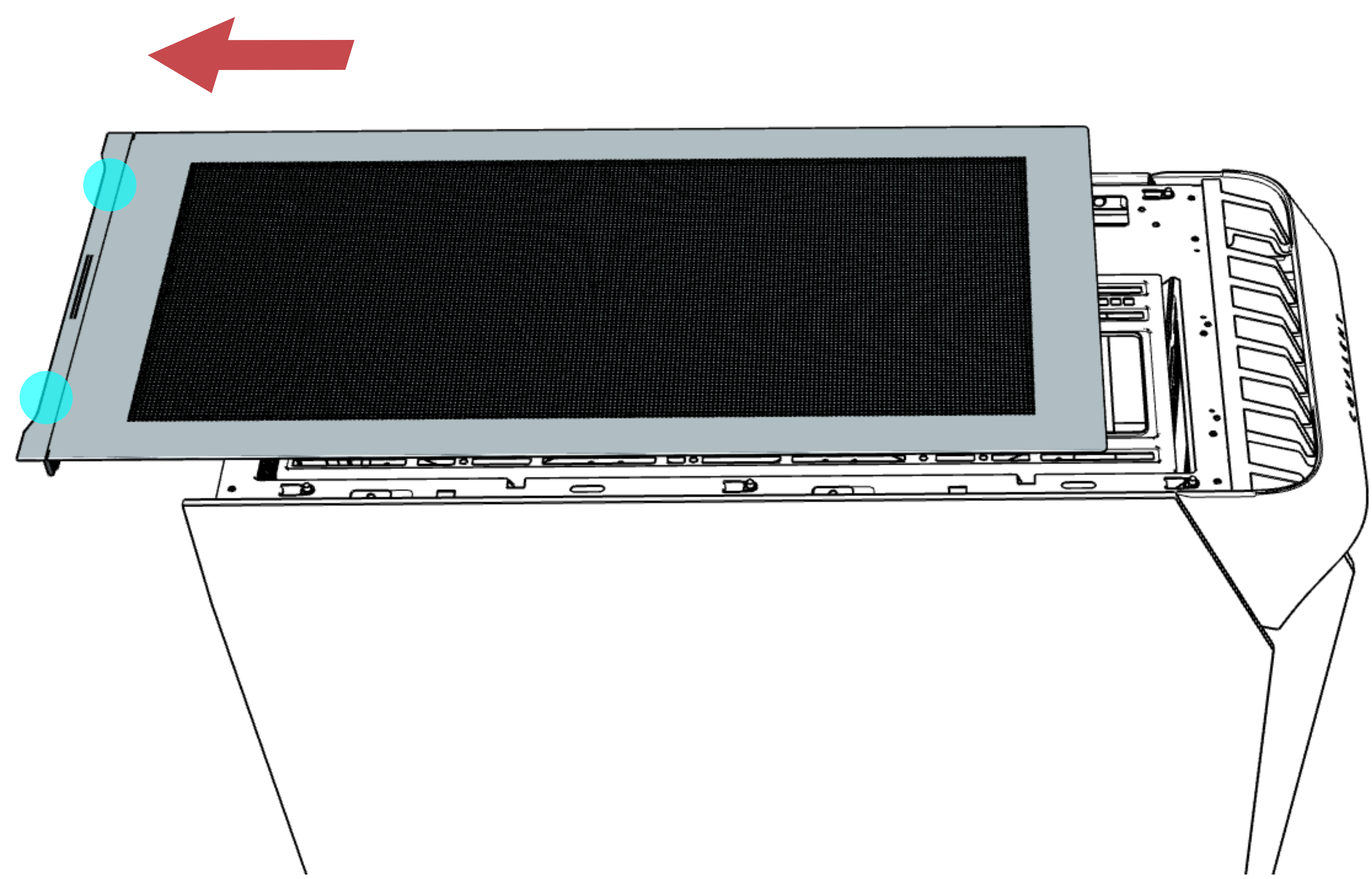
Installation Guide

Power Supply Installation

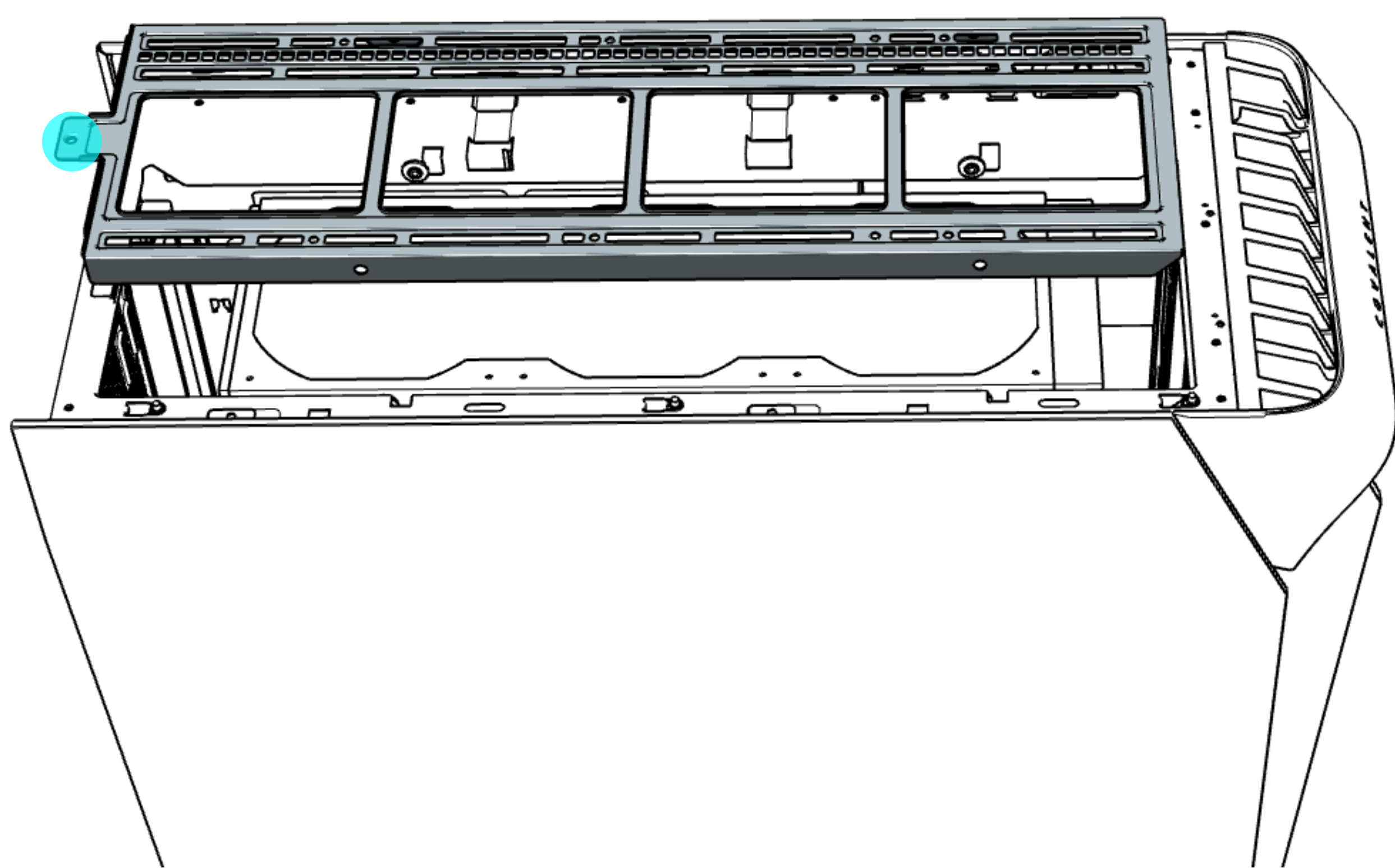


Installation Guide

Remove Top Panel



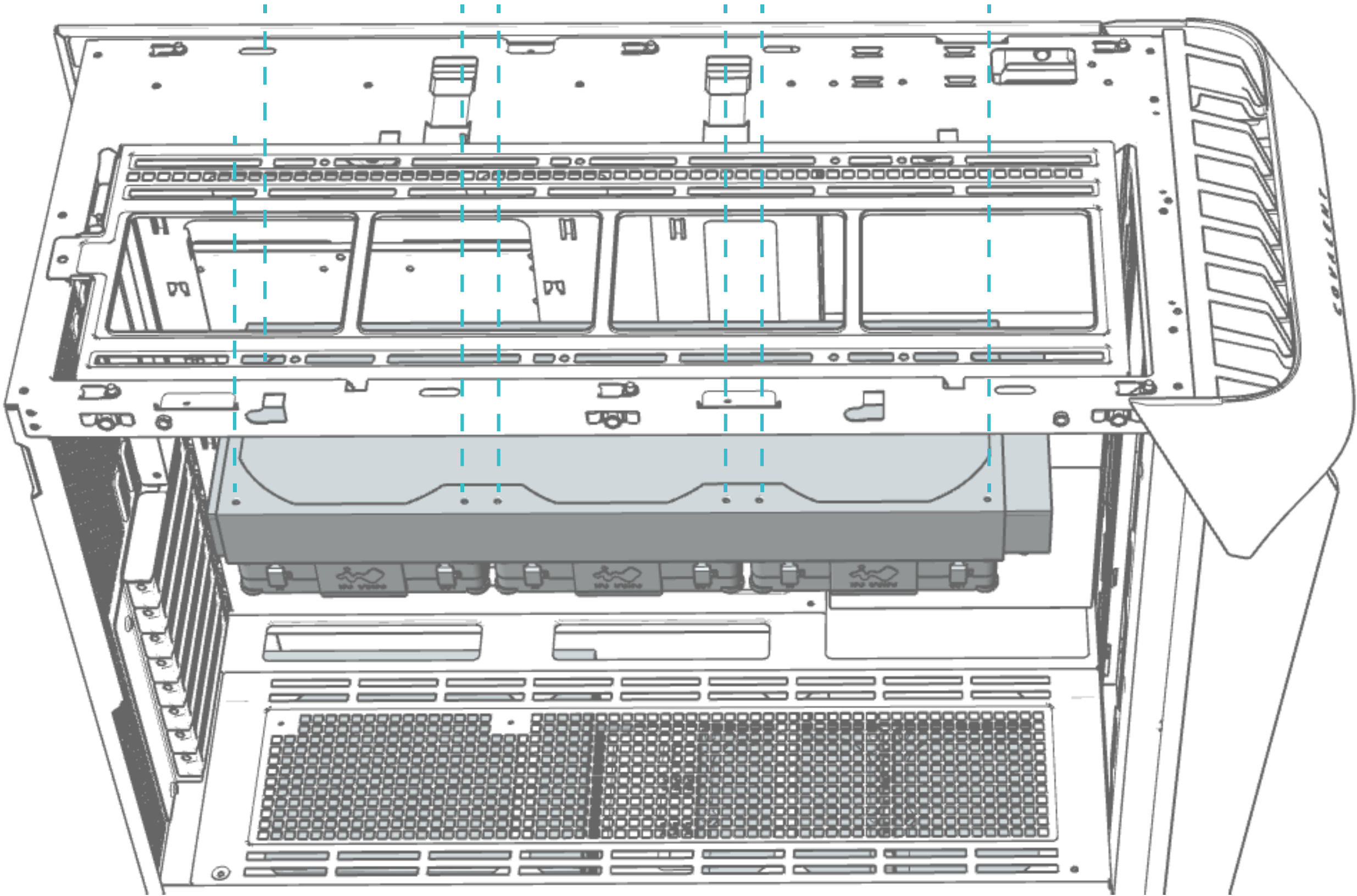
Remove Top Fan Bracket



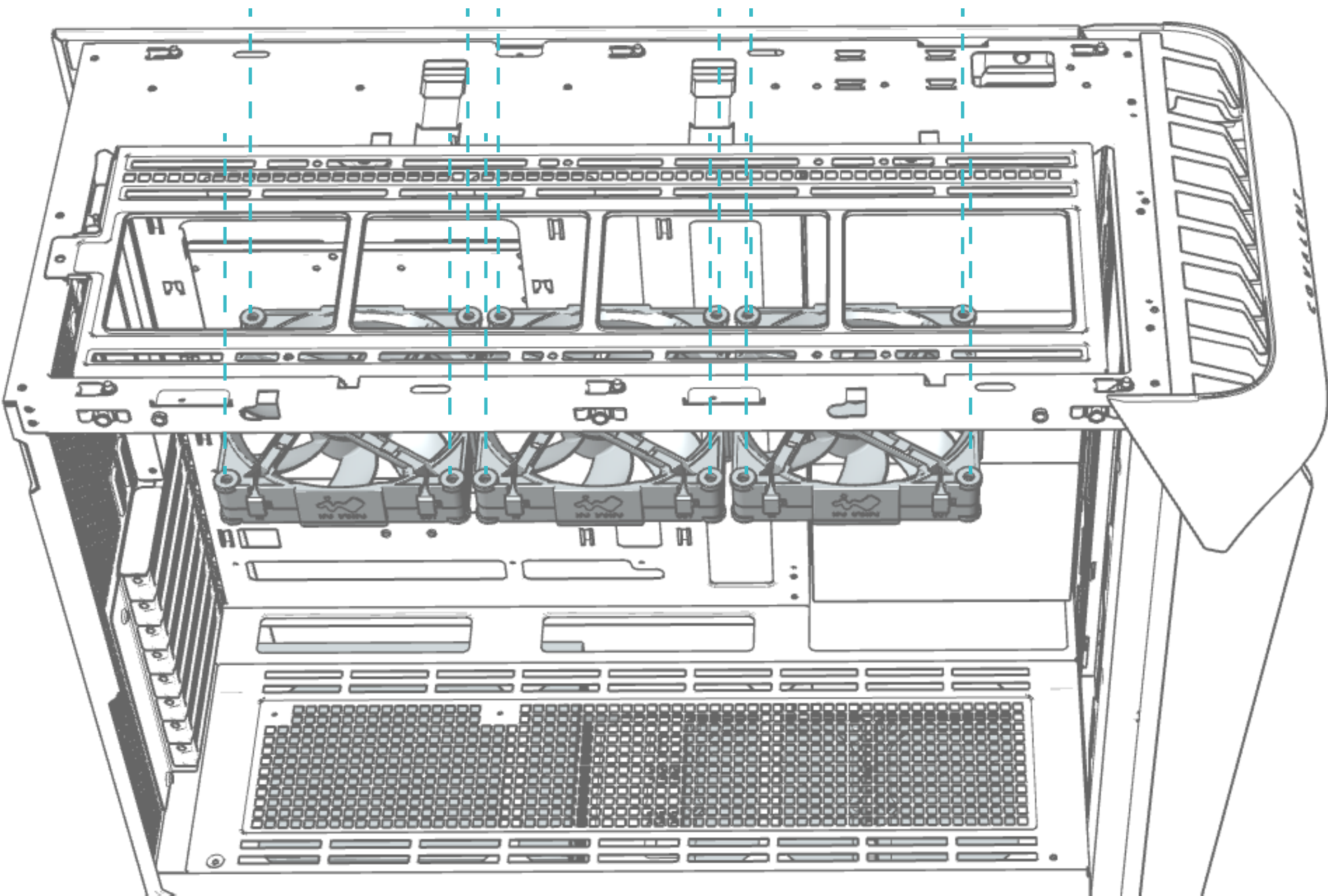
Installation Guide

Top

Water Cooling Radiator Installation



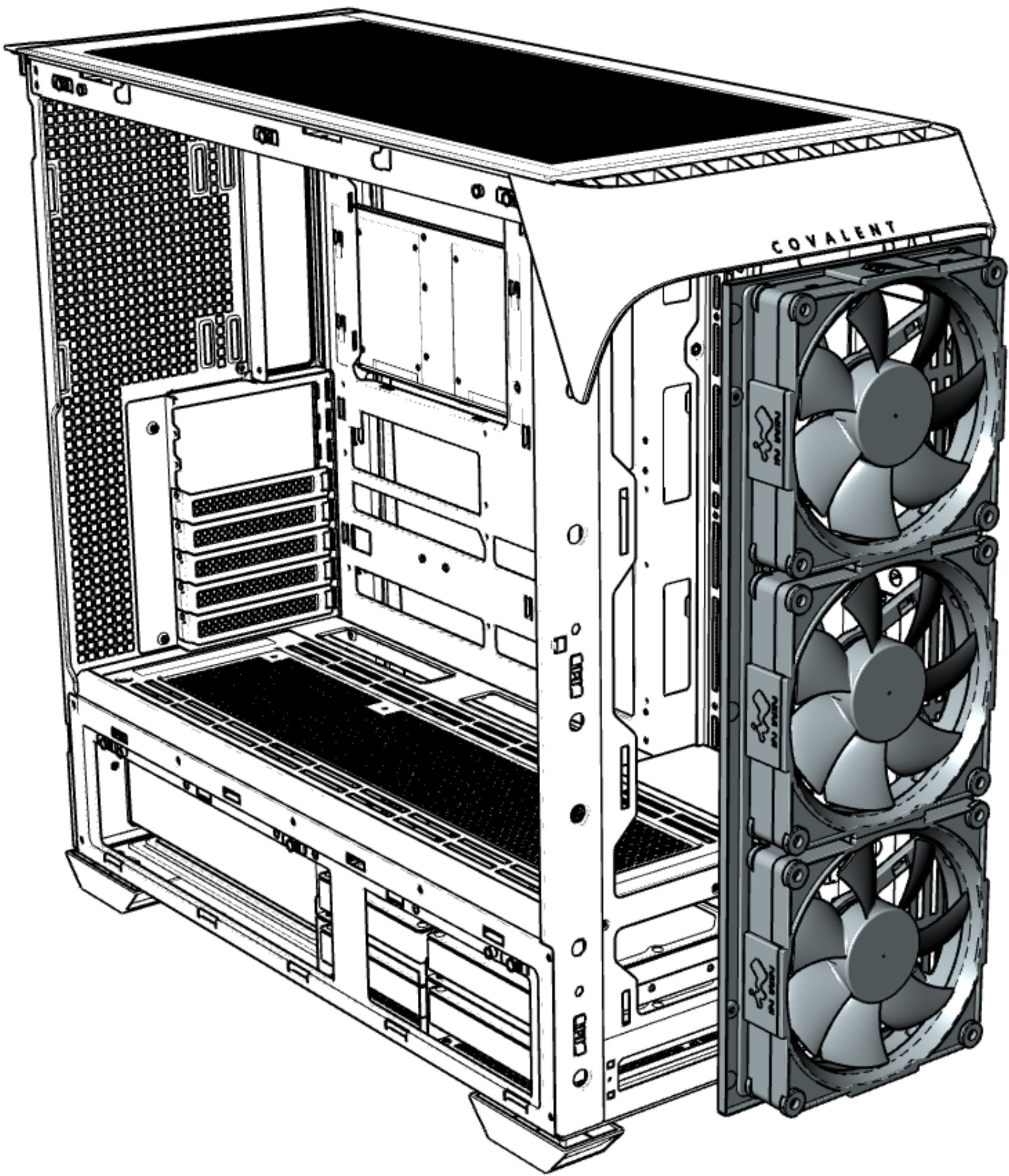
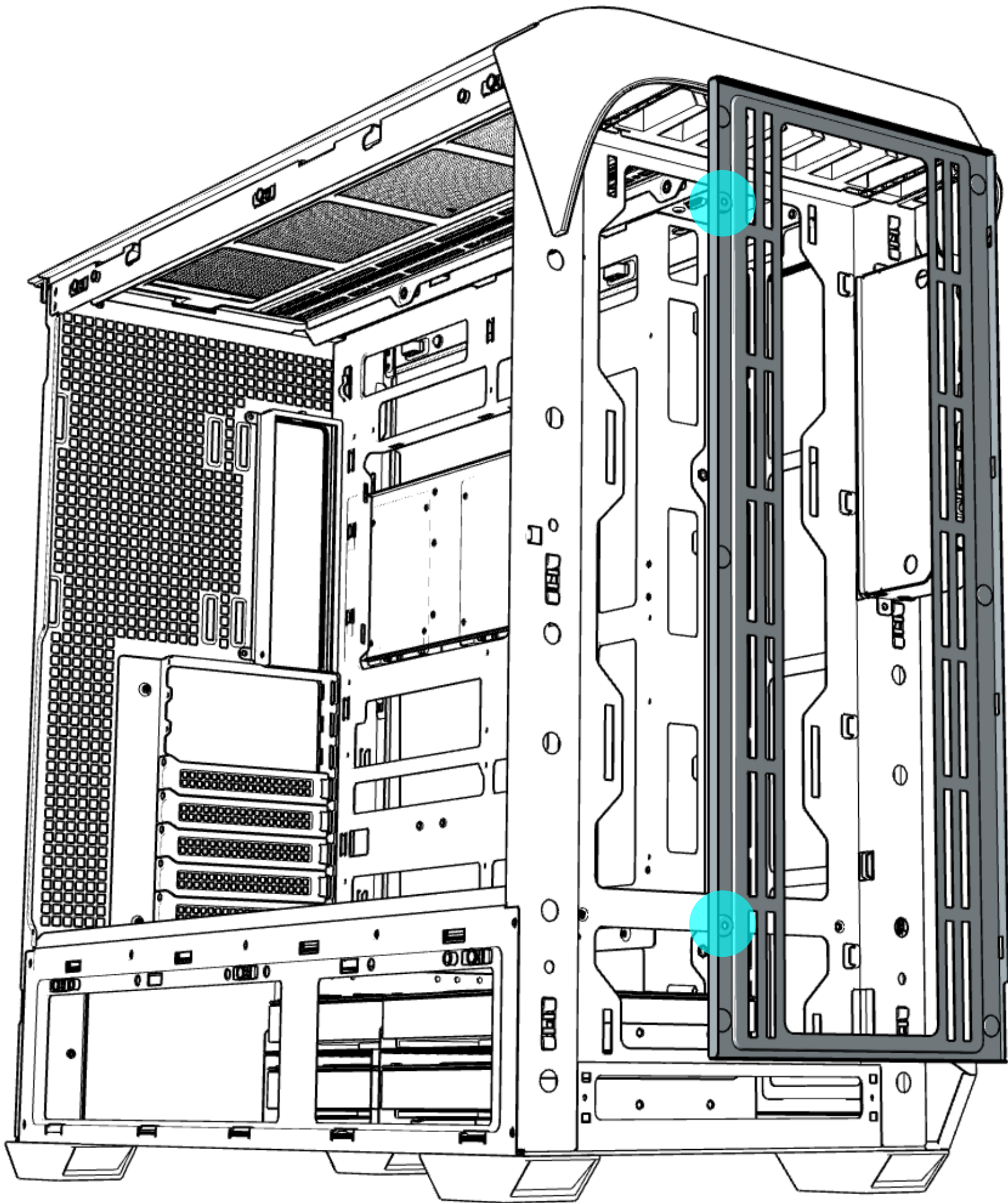
Fans Installation



Installation Guide

Front

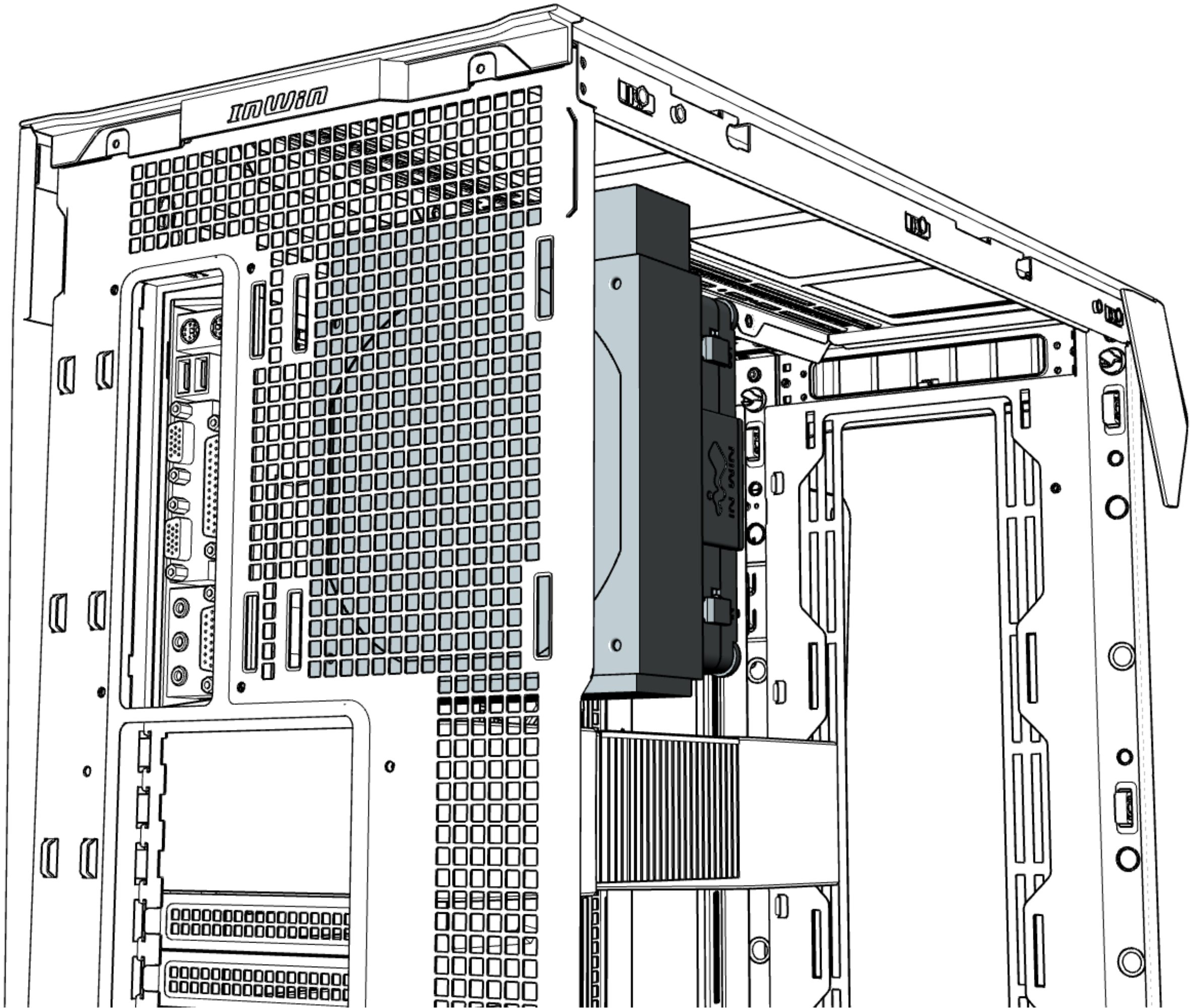
Fan Installation



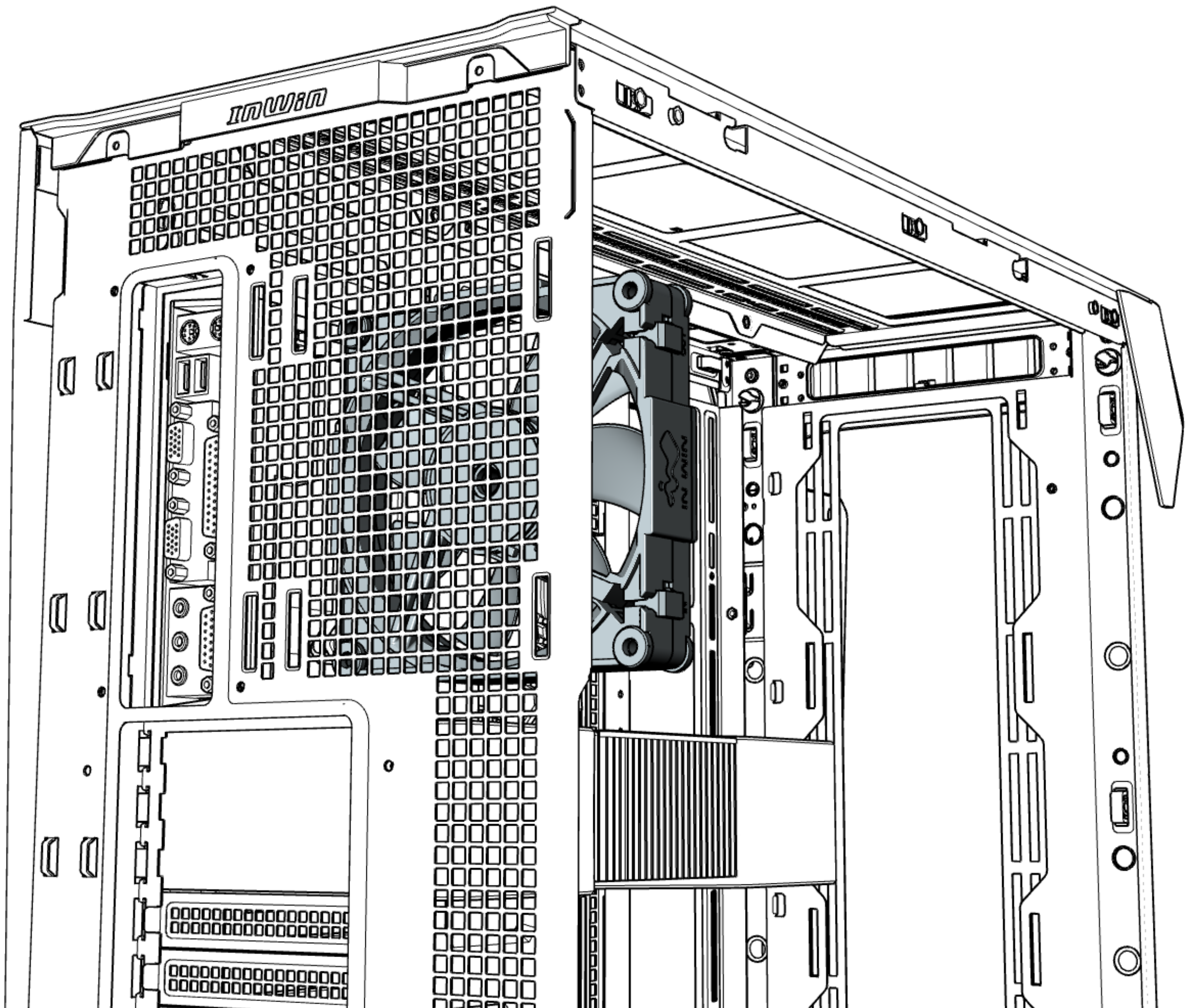
Installation Guide

Rear

Water Cooling Radiator Installation



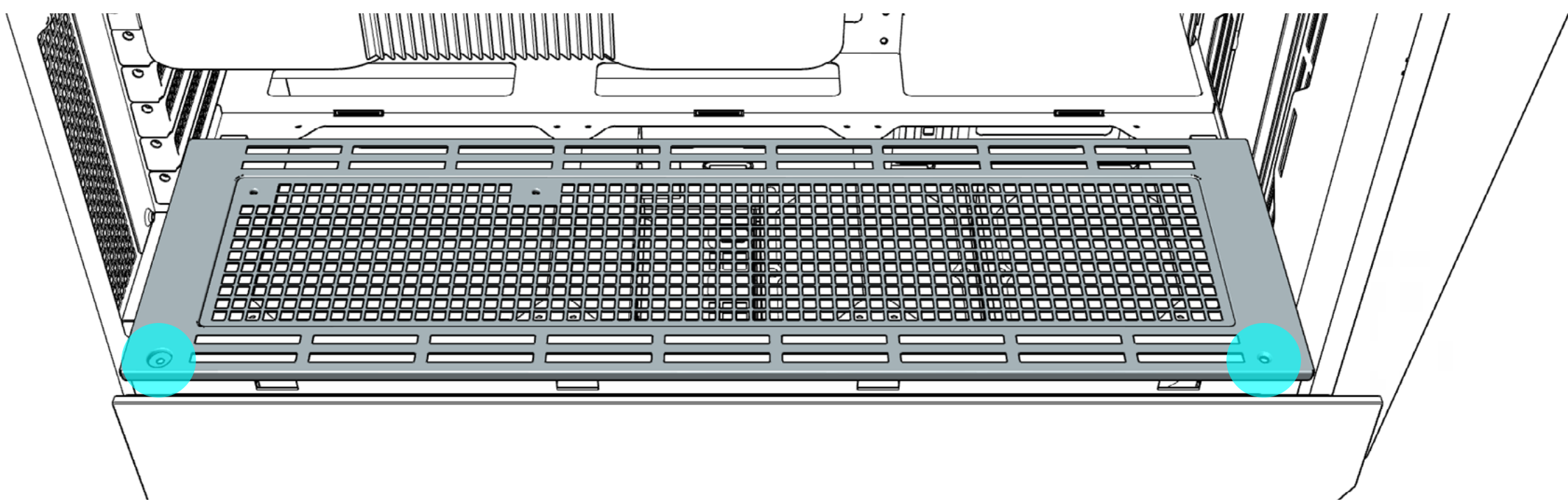
Fan Installation



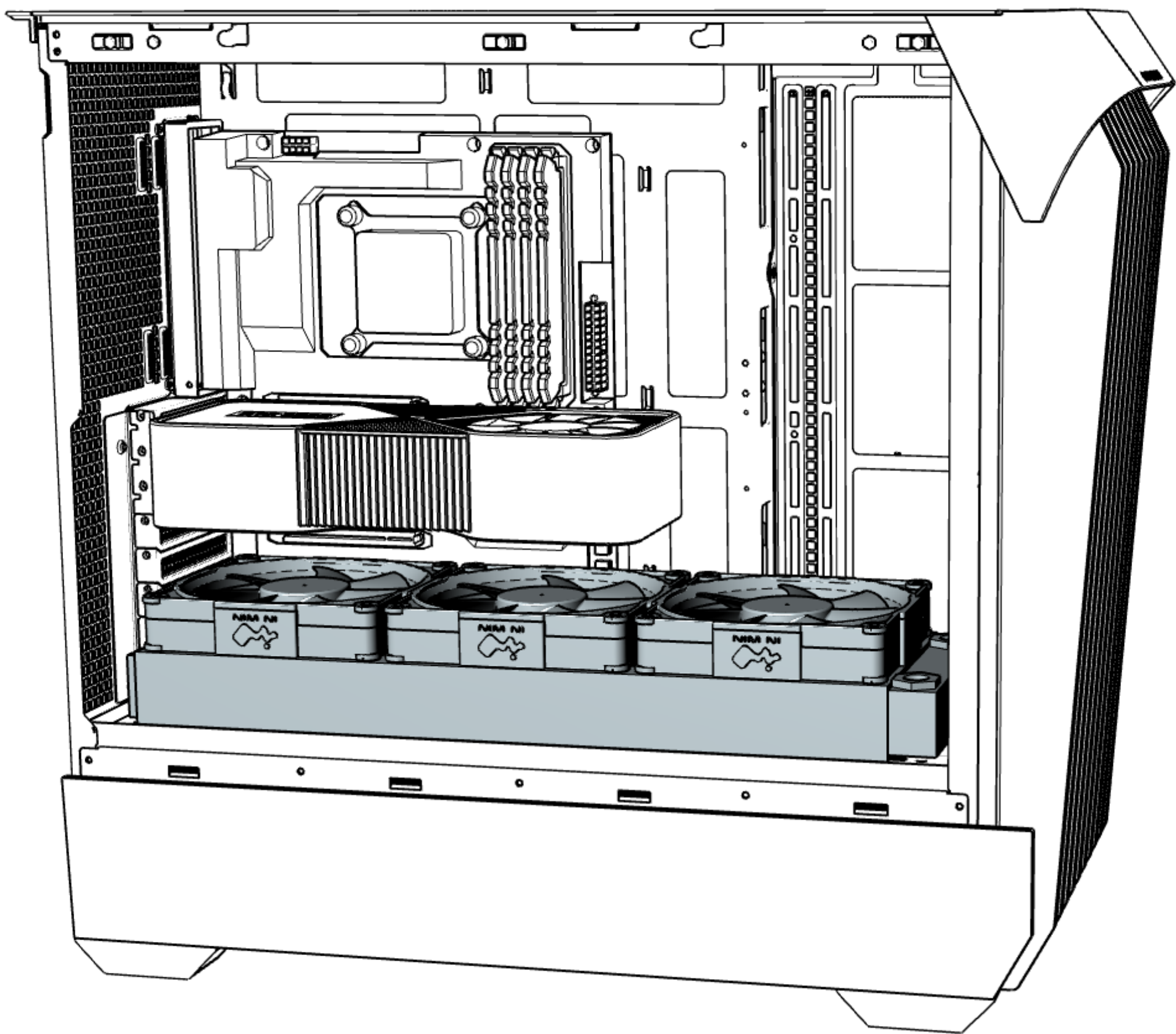
Installation Guide

Bottom

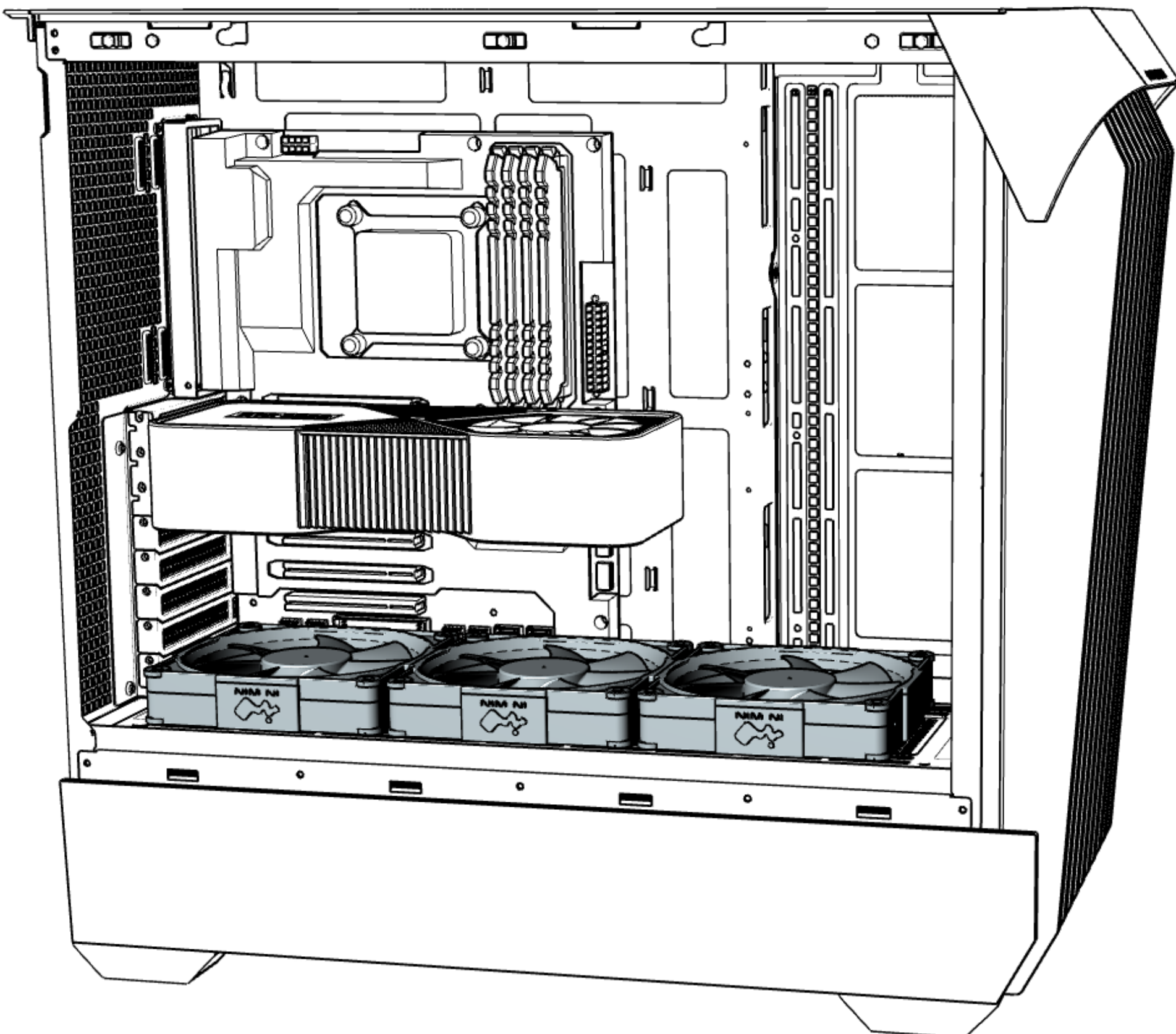
Remove the Bottom Fan Bracket



Water Cooling Radiator Installation



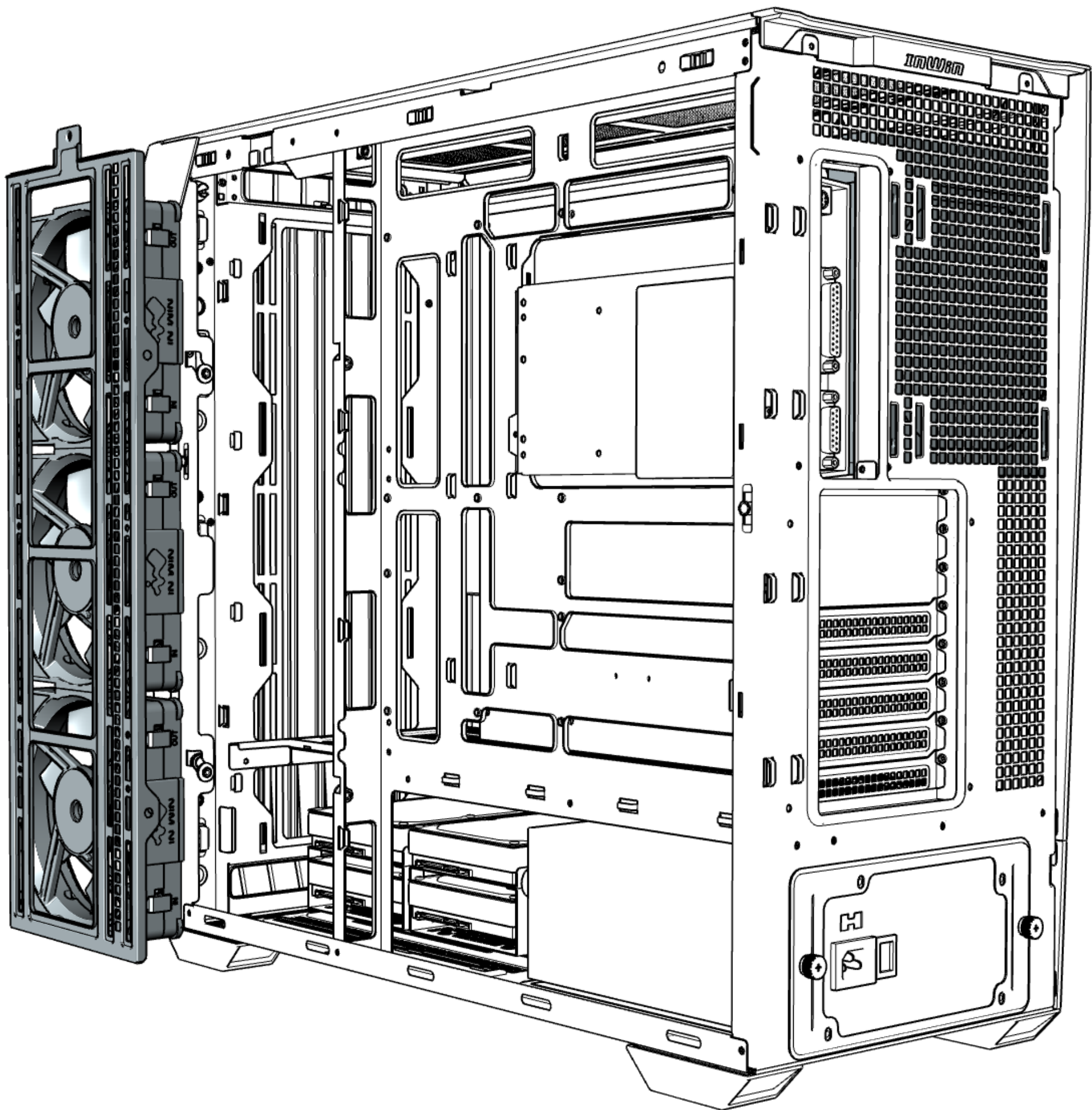
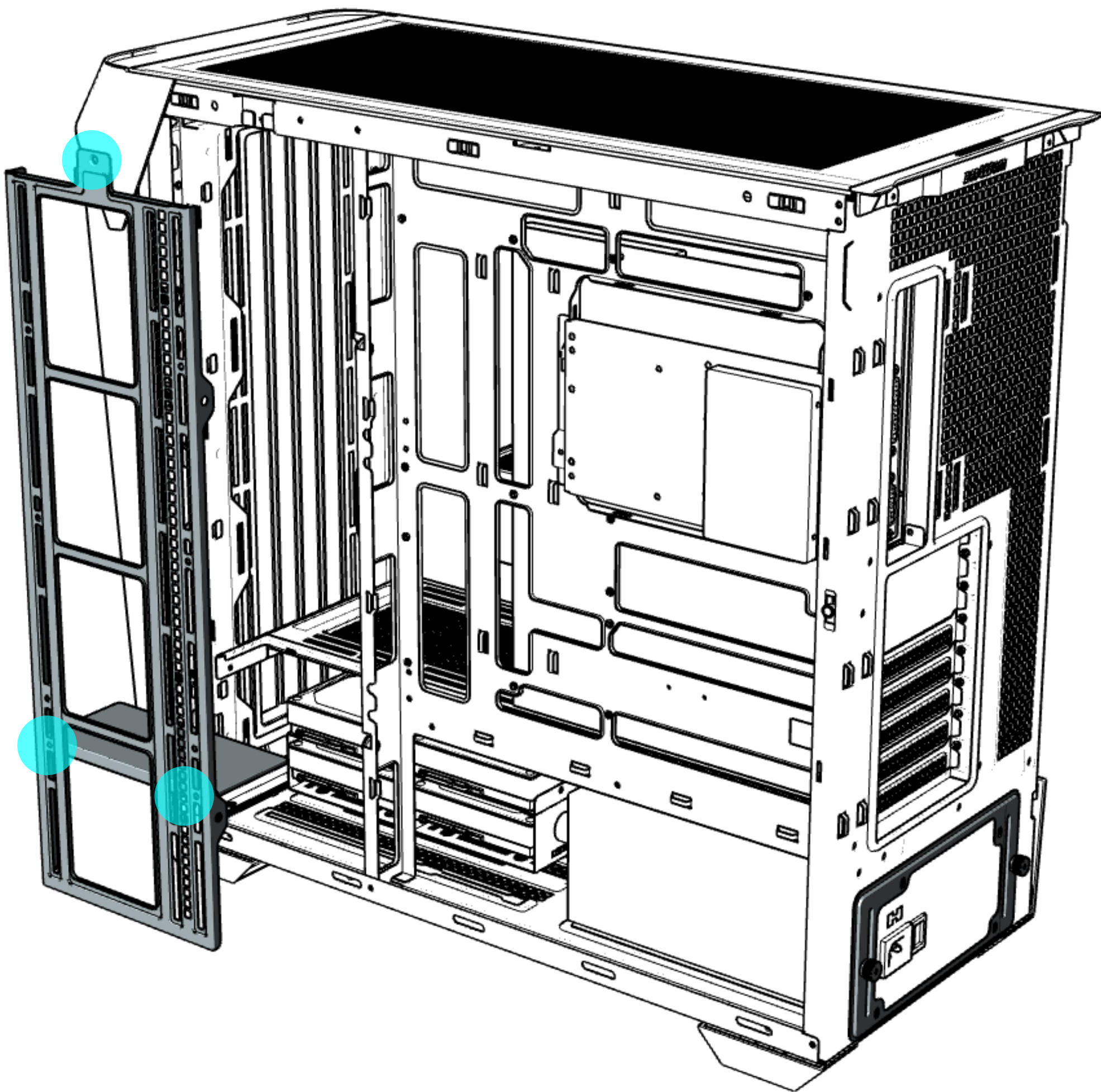
Fan Installation



Installation Guide

Side

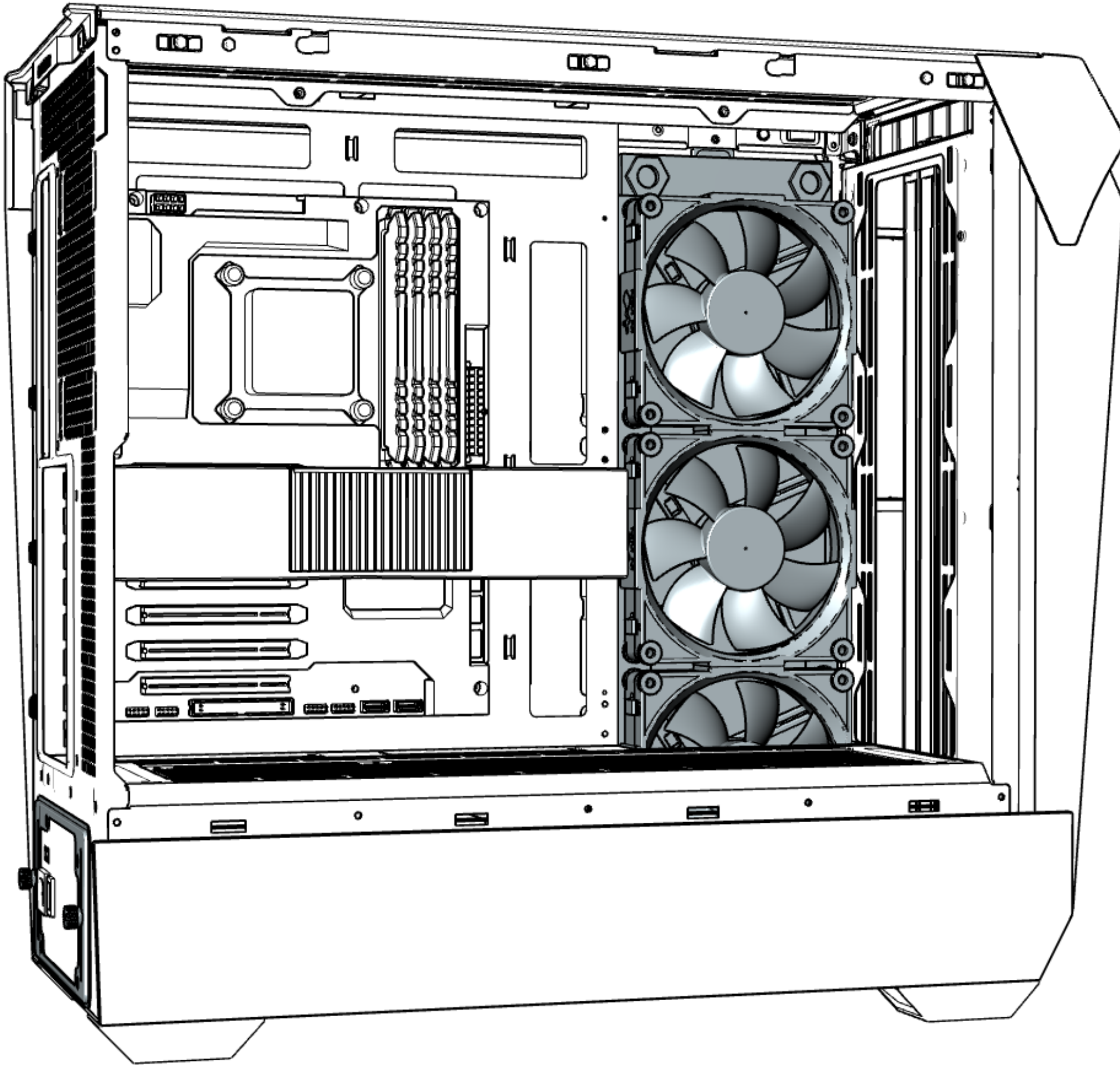
Remove the Side Fan Bracket



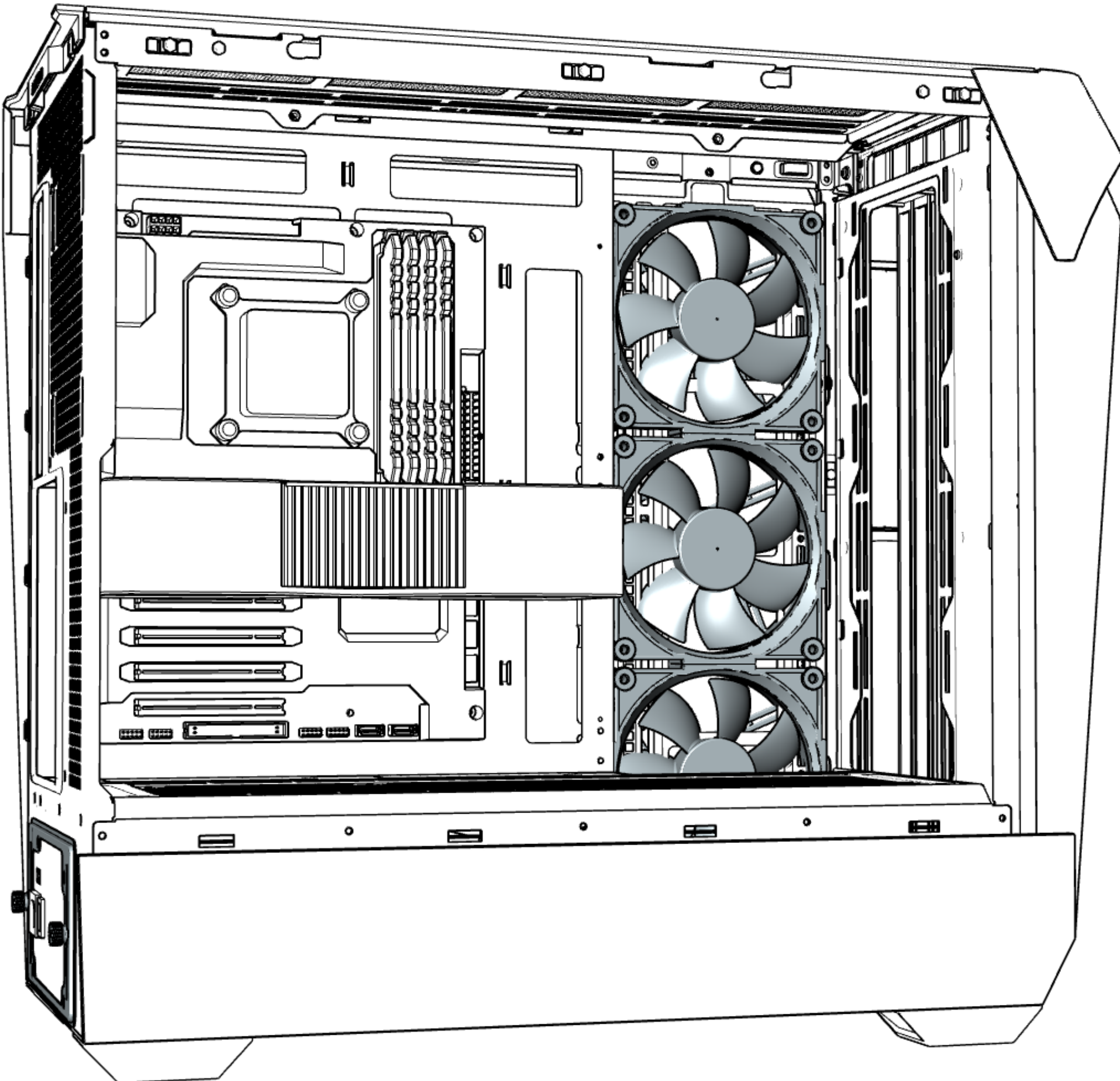
Installation Guide

Side

Water Cooling Radiator Installation

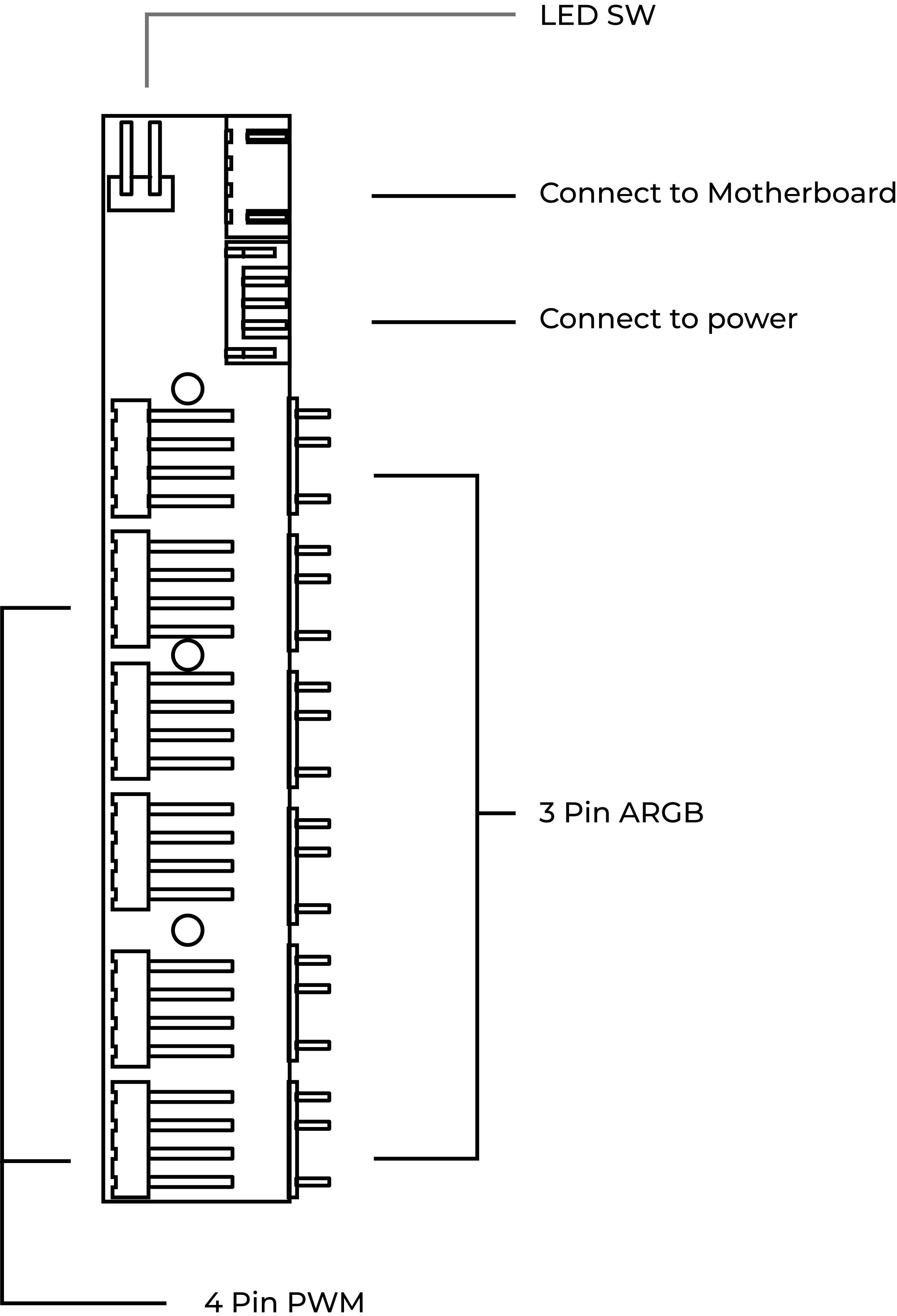


Fan Installation



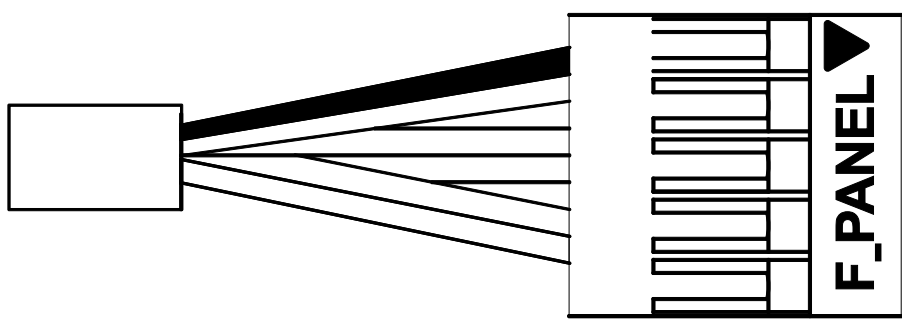
Installation Guide

Fan Hub



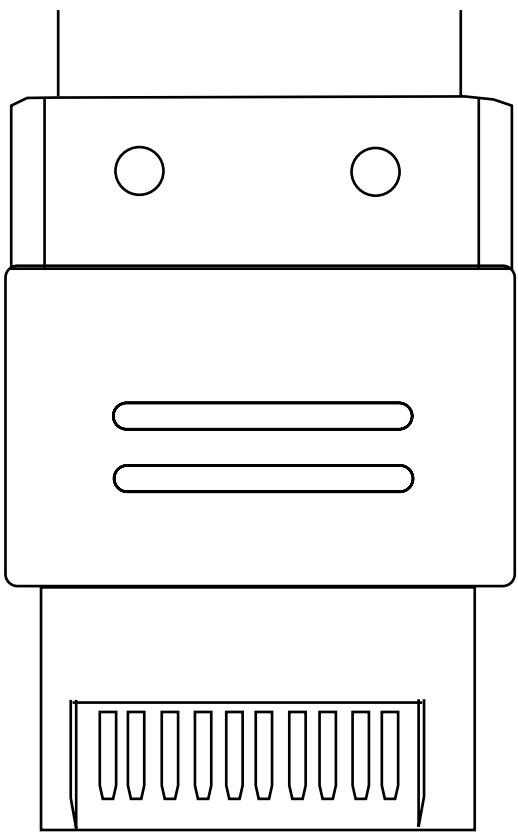
Cable Connection

F_PANEL

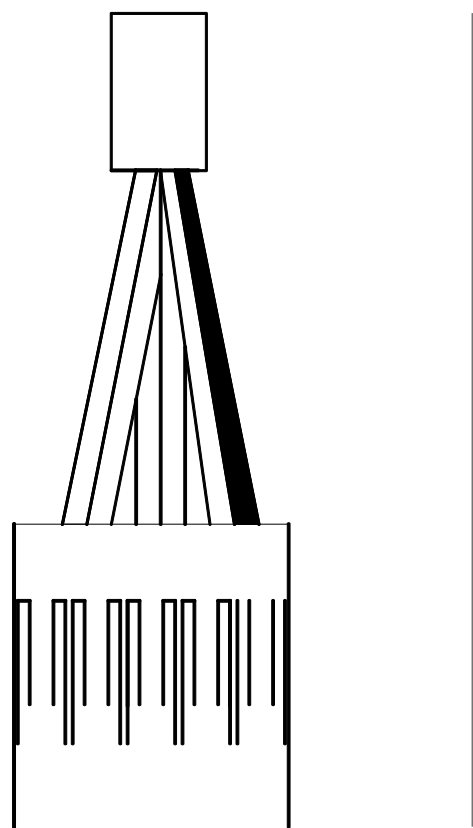


NC	10		9	KEY
NC	8		7	(POWER SW-)
NC	6		5	(POWER SW+)
NC	4		3	(POWER LED-)
NC	2		1	(POWER LED+)

USB 3.2 2x2 Type-C

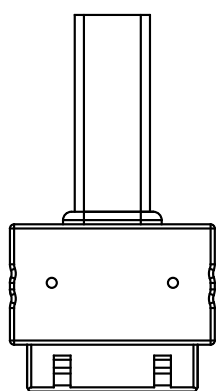


HD Audio Header



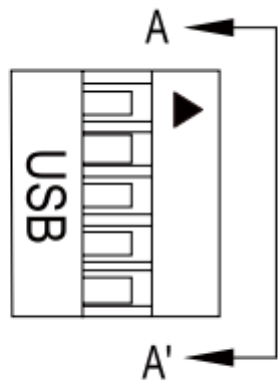
PORT2-L	BLUE	10		9	BROWN	SENSE2_R
SENSE_SEND	PURPLE	8		7		KEY
PORT2_R	YELLOW	6		5	WHITE	SNSE1_R
PORT1_R	RED	4		3	ORANGE	PRESENCE#
PORT1_L	GREEN	2		1	BLACK	GND

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

USB 2.0



RED	△ VCC1	1		2	VCC2	RED
White	D1 - 3			4	D2-	White
Green	D1 + 5			6	D2+	Green
Black	GND	7		8	GND	Black
NC	NC	9		10	KEY	KEY

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.

C O V A L E N T

Full Tower



***Innovation from
Inception to Integration***