

L 50

B R E Z E

M i d T o w e r

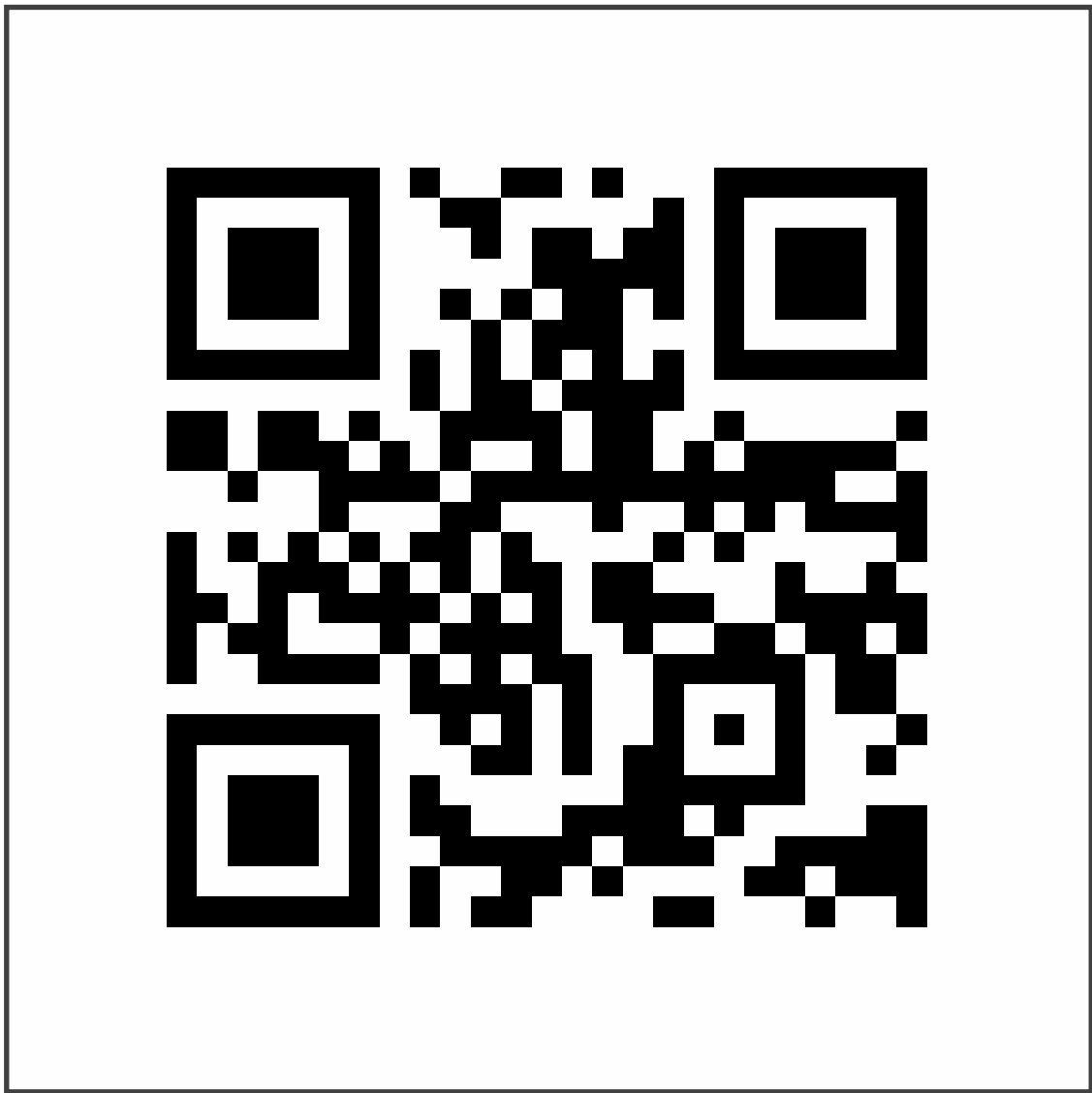
A Poetic Glimpse of Panoramic PC Design

User Manual

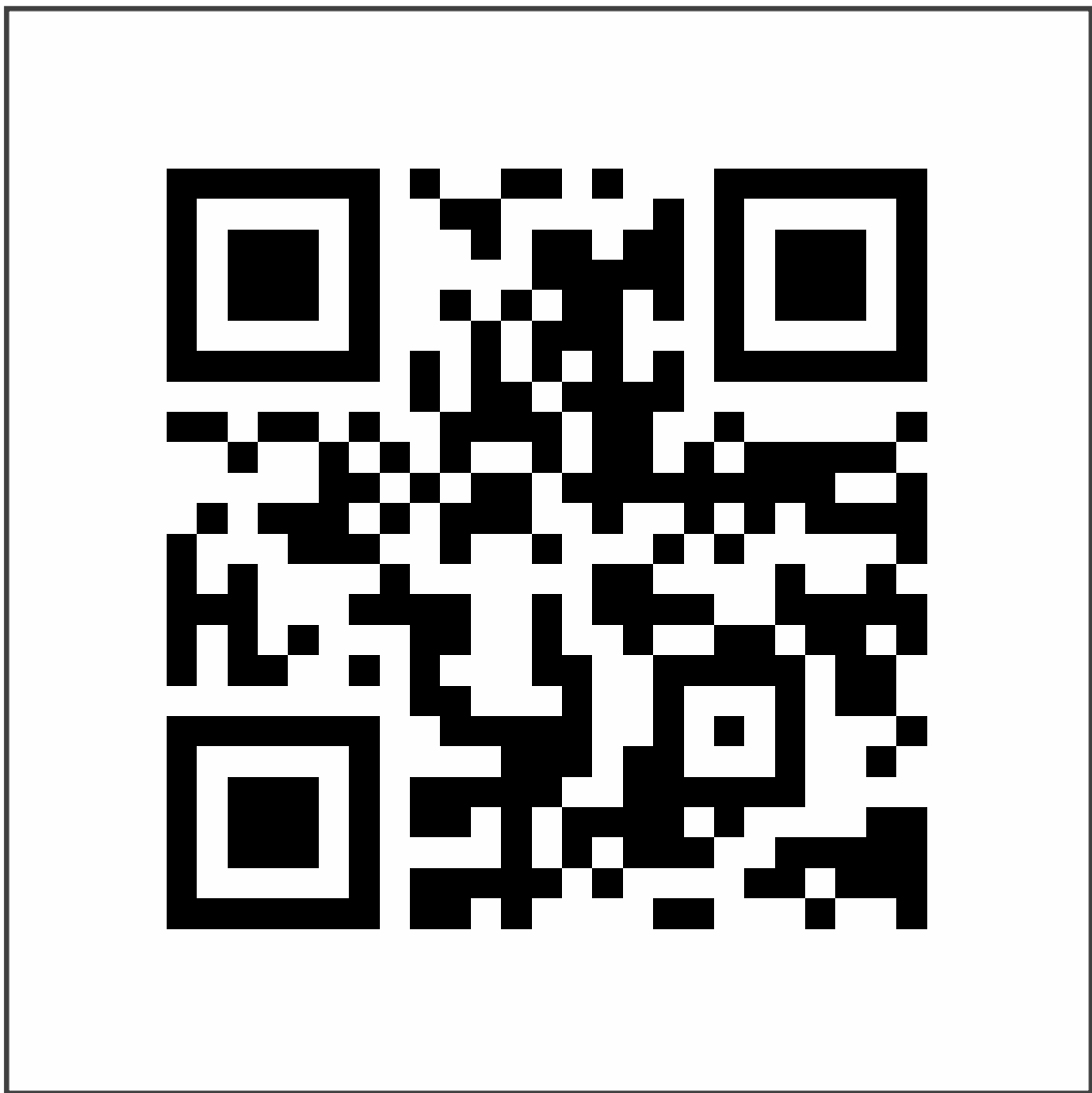
inWin

Product Video Information

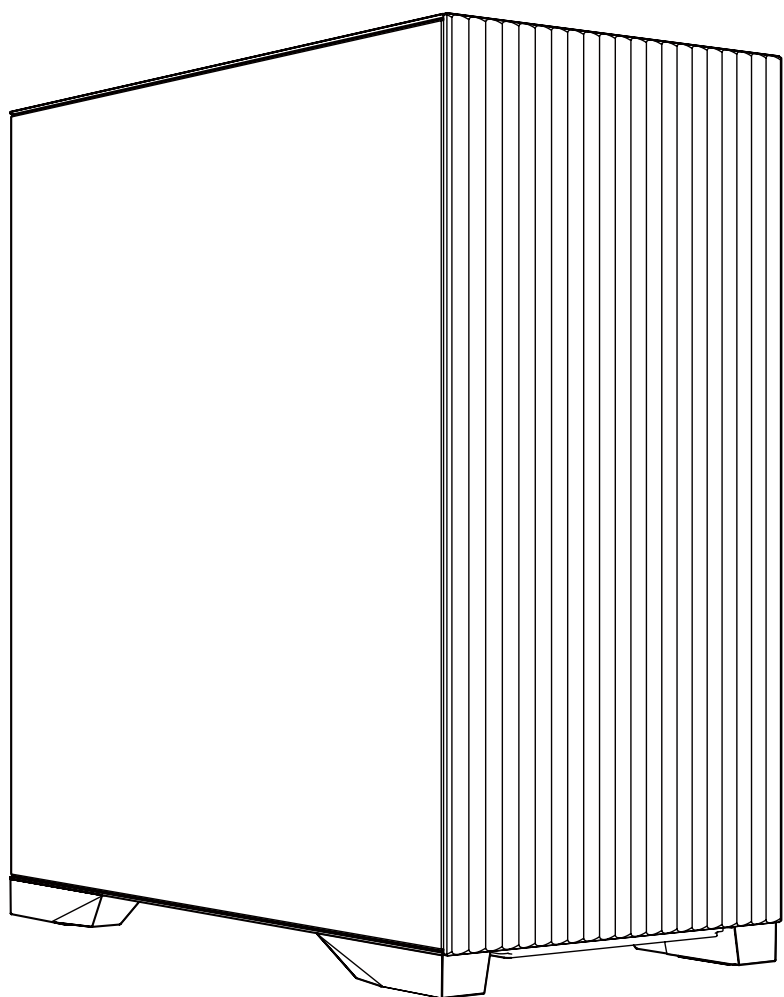
Product Video



Installation Guide Video



Specifications



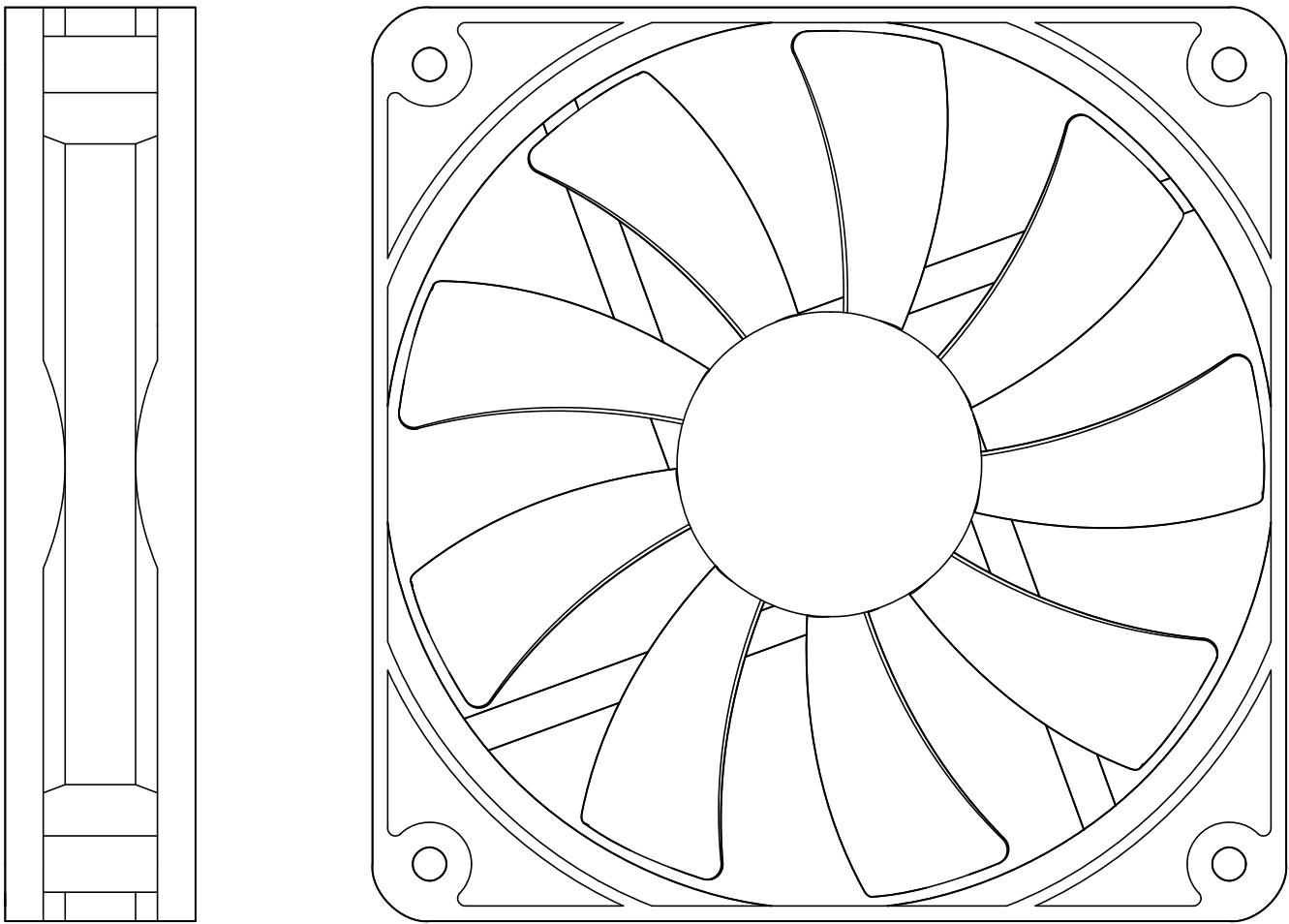
Model	L50 BREEZE
Model Number	IW-CS-L50BLK-4LM120
Colors	Black
Case Type	Mid Tower
Materials	Tempered Glass, SPCC, ABS
M/B Compatibility	12" x 10.9" E-ATX (305 x 277 mm), ATX, Micro-ATX, Mini-ITX
Expansion Slots	8 x PCIe
Maximum Compatibility	GPU Length: 435 mm CPU Heatsink Height: 175 mm
I/O Ports	1 x USB 3.2 Gen 2x2 Type-C 2 x USB 3.2 Gen 1 HD Audio Combo (CTIA – SPK/Mic) 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 (LM120 pre-installed) Bottom: 2 x 120 mm (screws required $\geq$ 25mm) Side: 3 x 120 mm (LM120-RB pre-installed) Water Cooling Radiators: Top: 1 x 280 / 360 mm Rear: 1 x 120 mm Side: 1 x 360 mm
Power Supply Compatibility	PSII: ATX12V - Length up to 238 mm
Product Dimensions (L x W x H)	445 x 235 x 503 mm 17.5 x 9.3 x 19.8"
Package Dimensions (L x W x H)	553 x 310 x 520 mm 21.8 x 12.2 x 20.5"
Net Weight	8.5 kg / 18.73 lb
Gross Weight	9.8 kg / 21.61 lb

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

Specifications

LUMIA

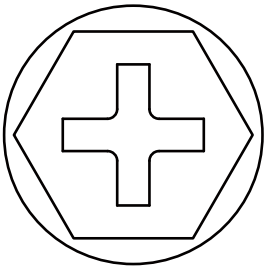
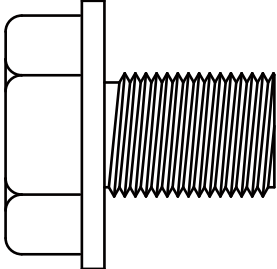
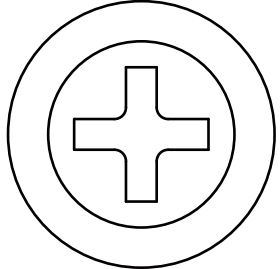
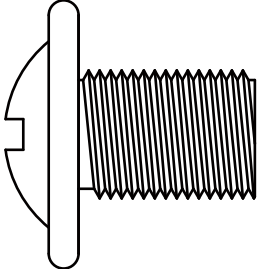
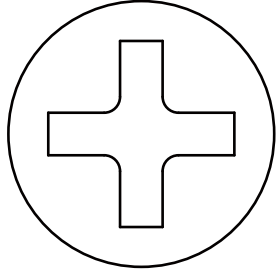
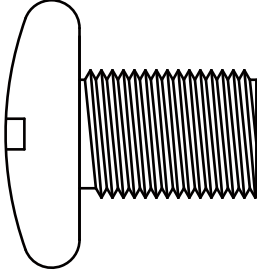
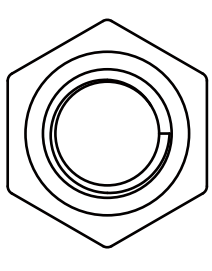
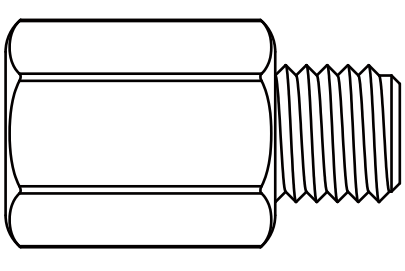
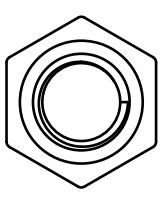
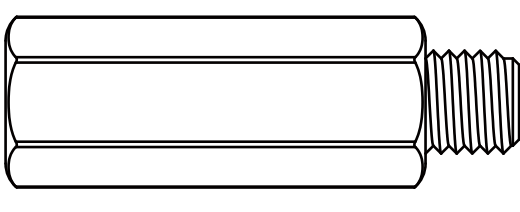
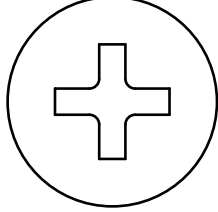
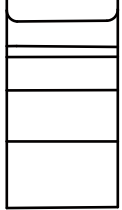
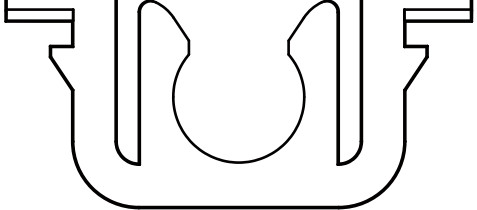
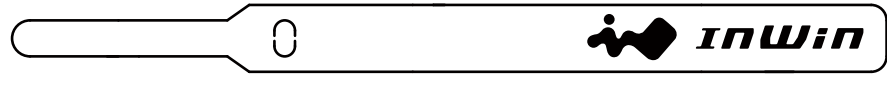
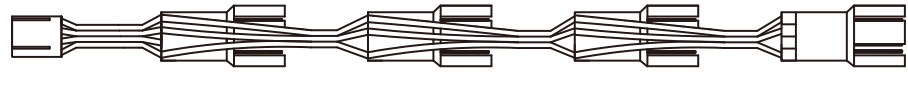
AWWA Cooling Fan



Model	LUMIA	
Quantity Included	Single Pack	
Style	Regular Blade	Reverse Blade
Model Number	IW-FN-LM120-1PK	IW-FN-LM120-RB-1PK
Colors	Black	
Fan Size	120 x 120 x 25 mm	
Materials	PBT, PC	
Rated Voltage	DC 12V	
Rated Current	0.23A	
LED Rated Voltage	DC 5V	
LED Rated Current	0.29A	
Speed Mode	PWM 600 - 1600 RPM	
Air Flow	66.37 CFM	63.89 CFM
Air Pressure	1.4 mm / H2O	1.05 mm / H2O
LED	Addressable WWA	
Connector to M/B	4-Pin (12V, PWM), 3-Pin (5V, AWWA)	
Noise Level	31.7 dB(A)	37.2 dB(A)
Bearing Type	Hydro Bearing	

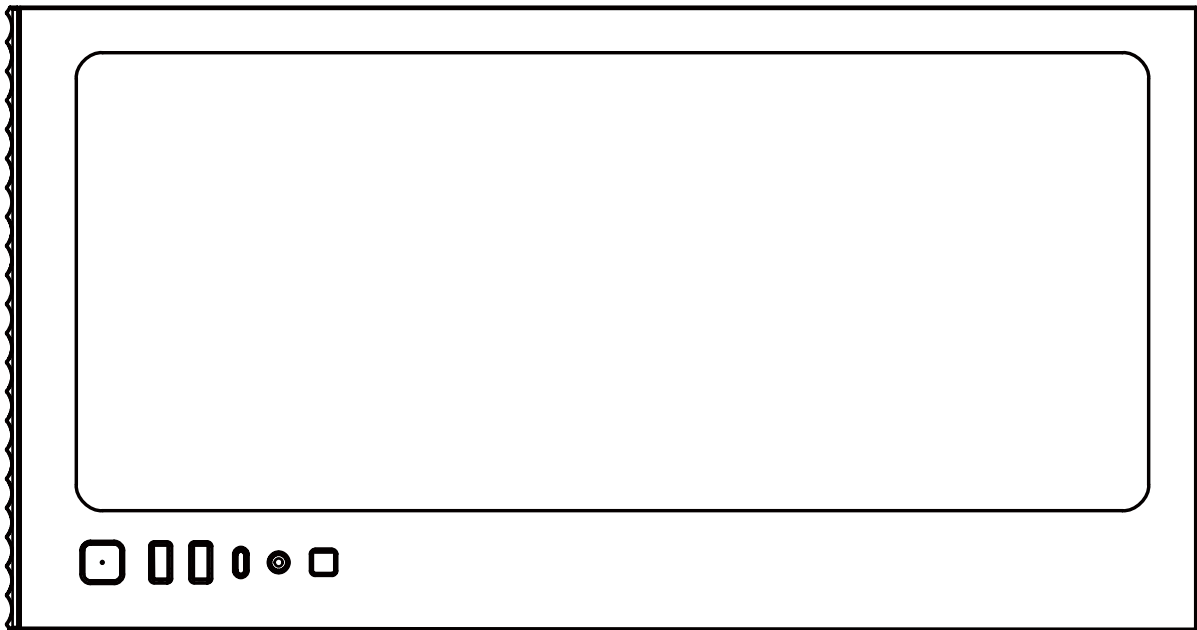
* InWin's products comply with RoHS regulations.
* Specifications may vary based on different regions.

Accessories Bag

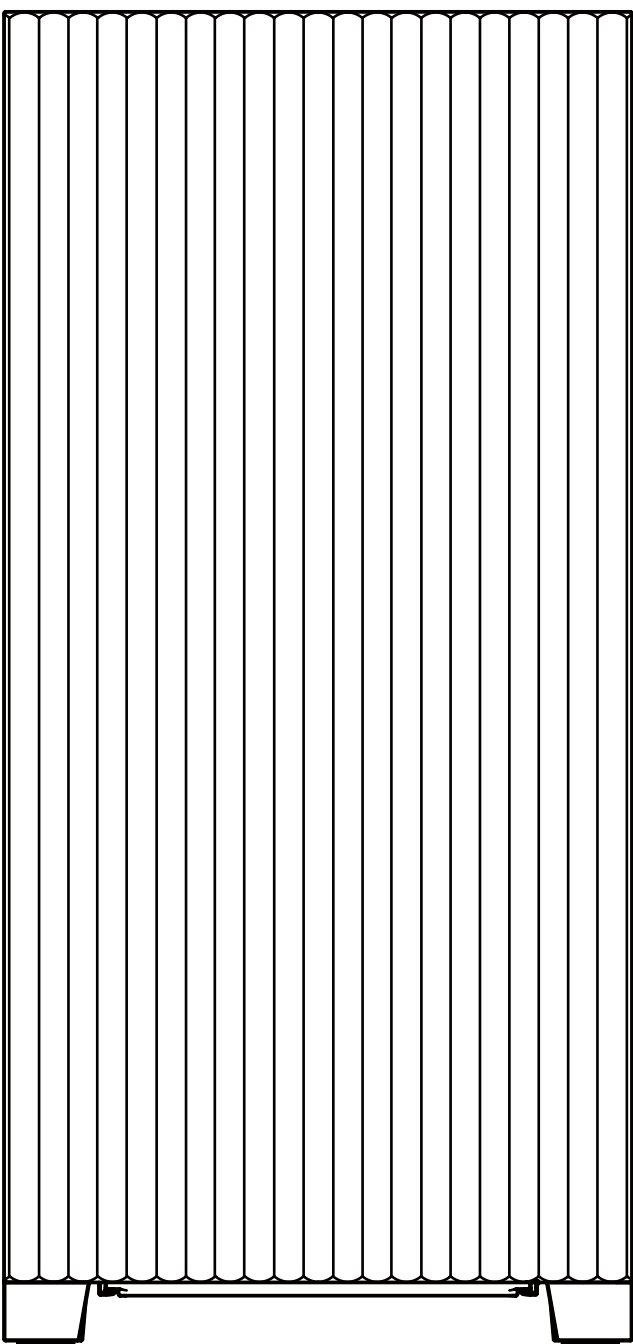
A	 	× 4	PSU Screws
B	 	× 10	PCIe Expansion Card / 2.5" SSD screws
C	 	× 17	Motherboard / 3.5" HDD Screws
D	 	× 3	Motherboard Stand-offs
E	 	× 2	PCIe Expansion Card Standoffs
F	 	× 1	Motherboard Stand-off Socket
G	 	× 1	Plastic Buckle
H		× 5	Cable Ties
I		× 8	Velcro Strips
J		× 1	1-to-4 adapter cable
K		× 1	QR Code Card

Case Structure

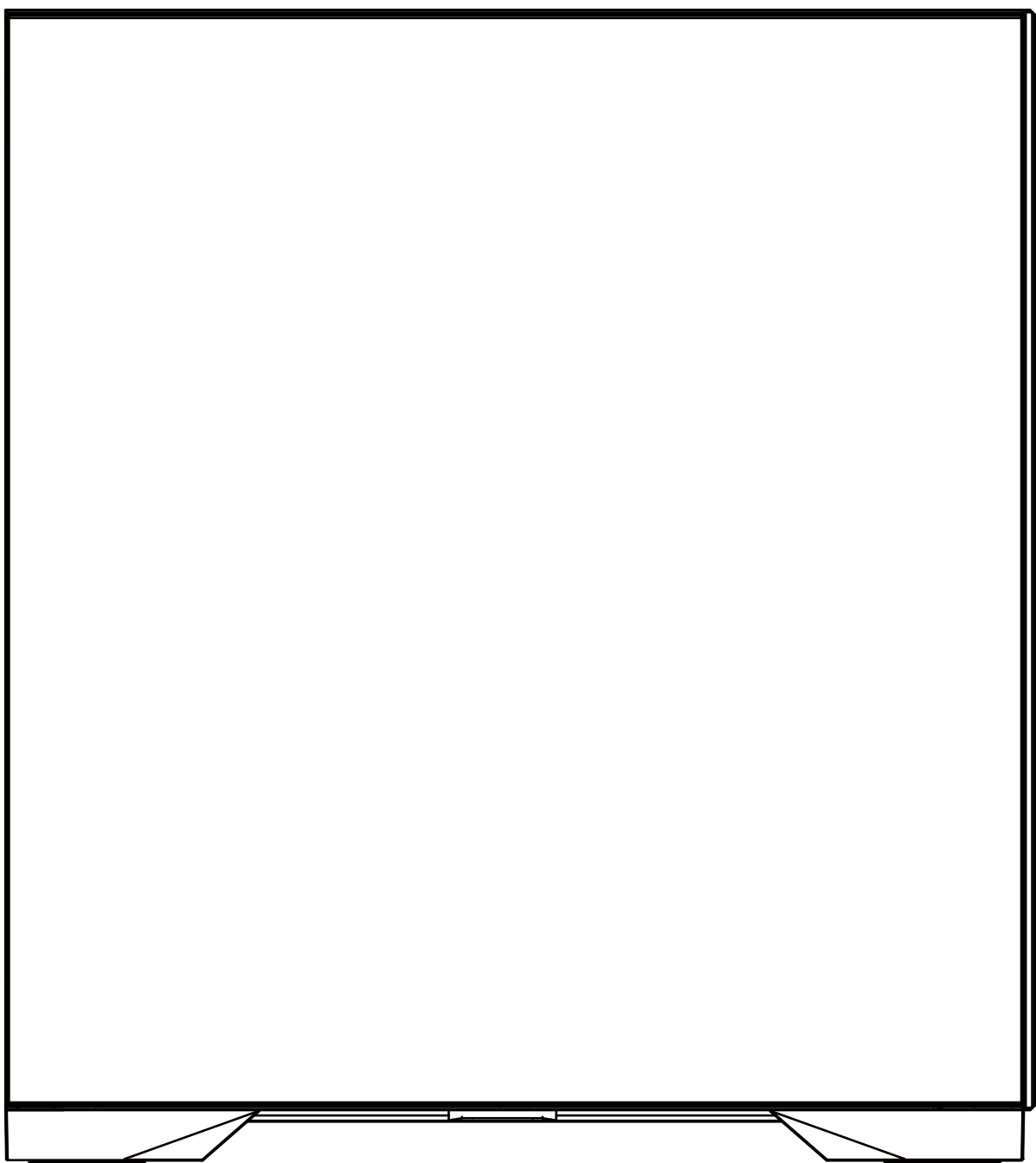
TOP



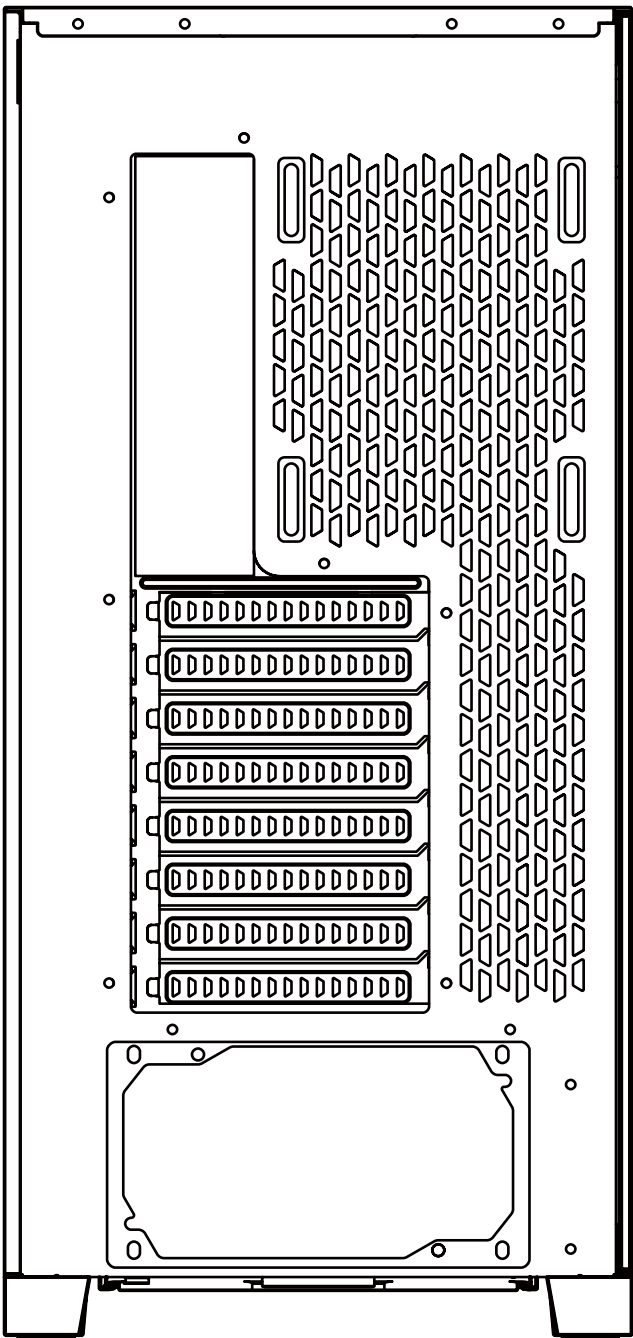
FRONT



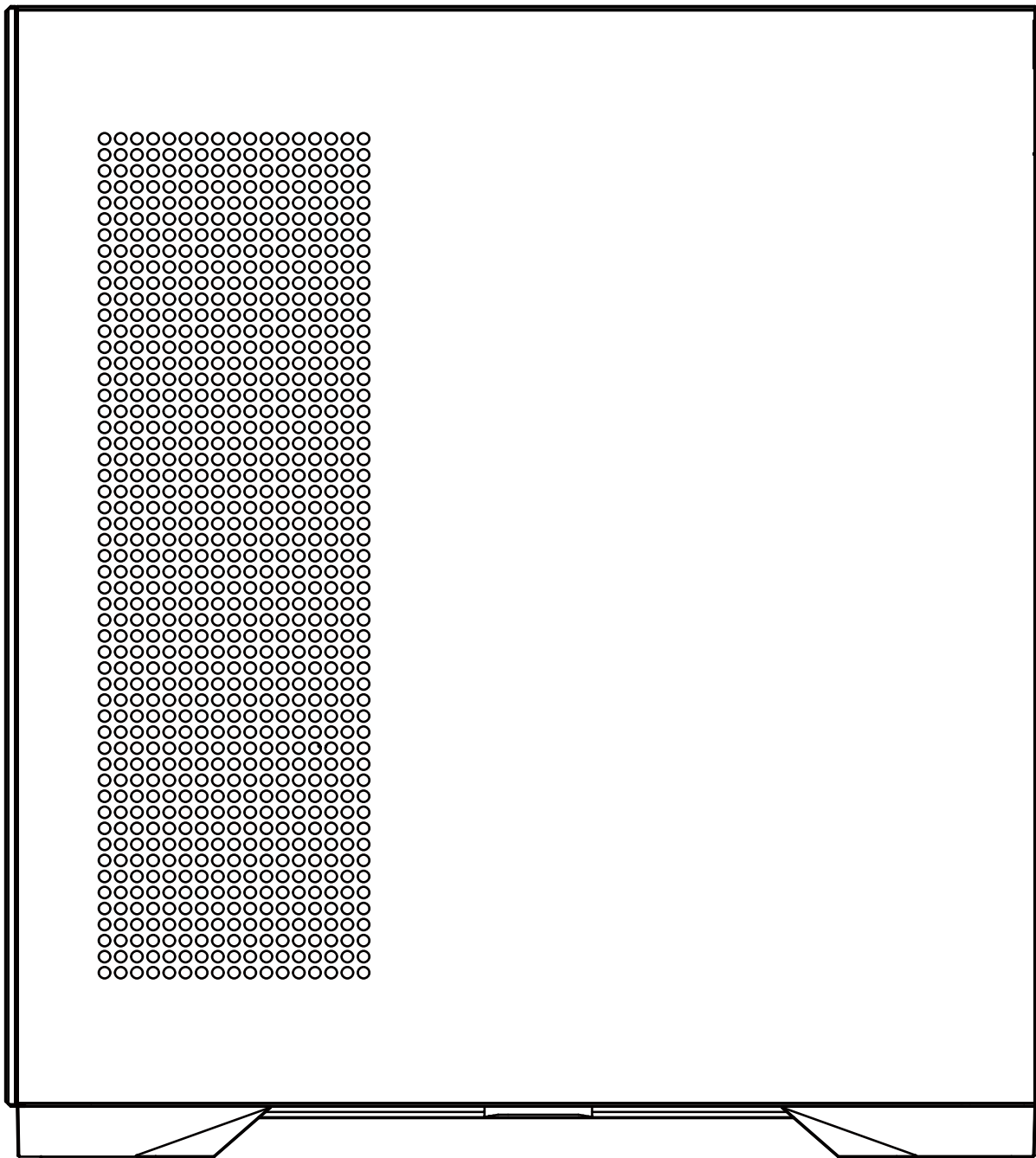
LEFT



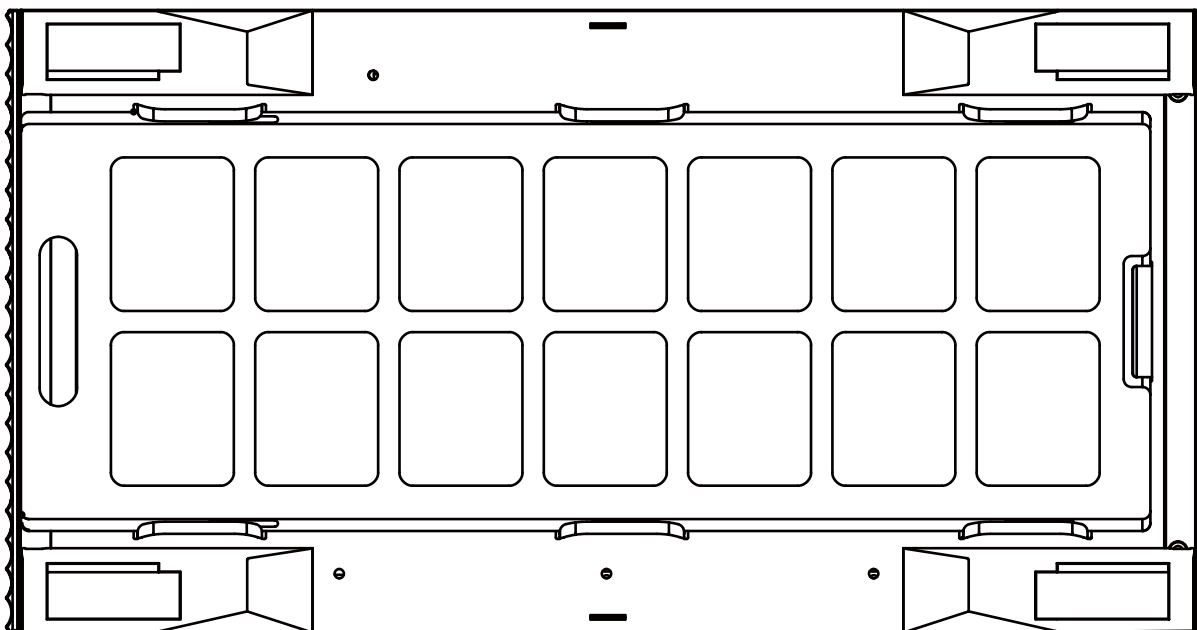
REAR



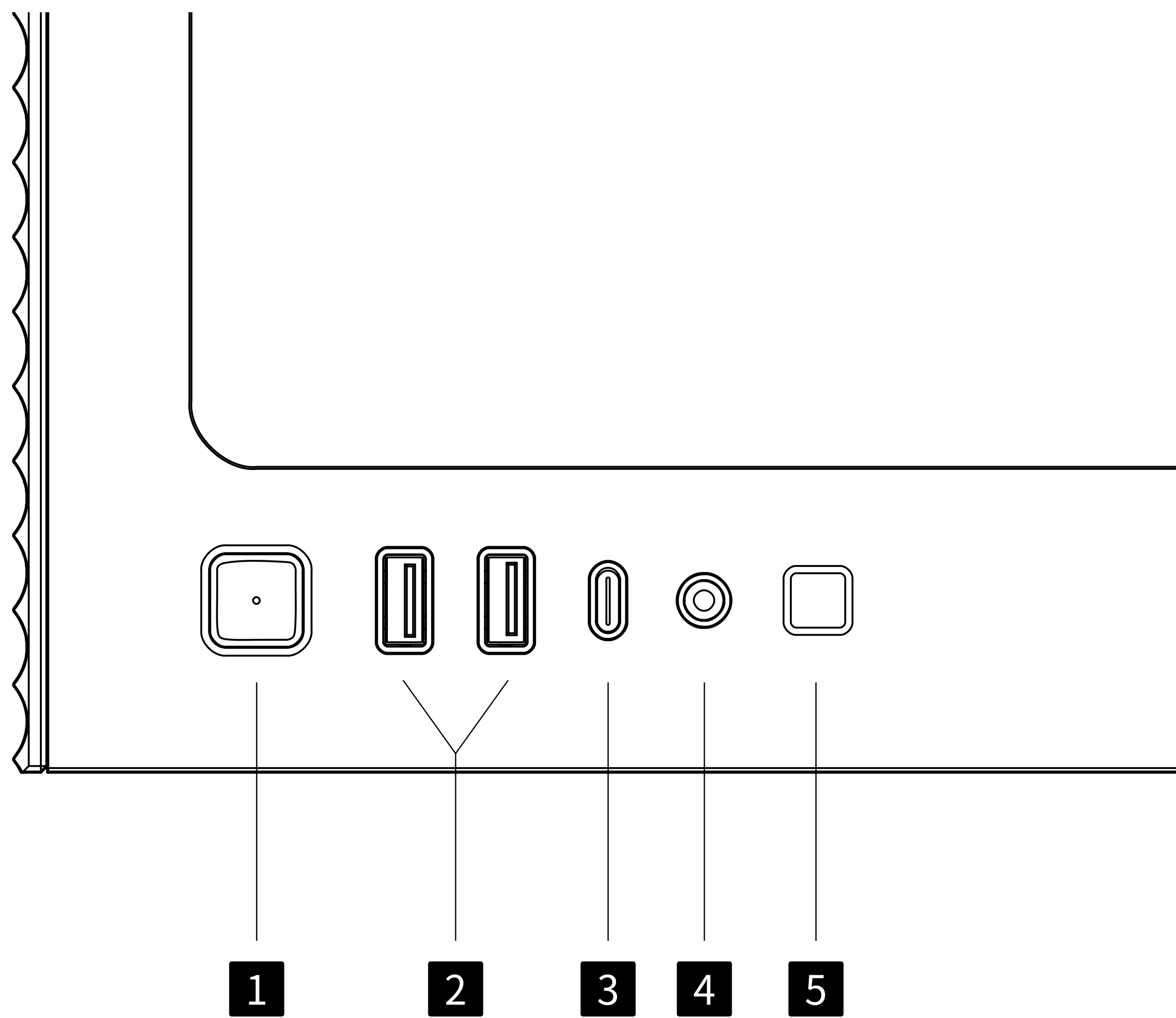
RIGHT



BOTTOM



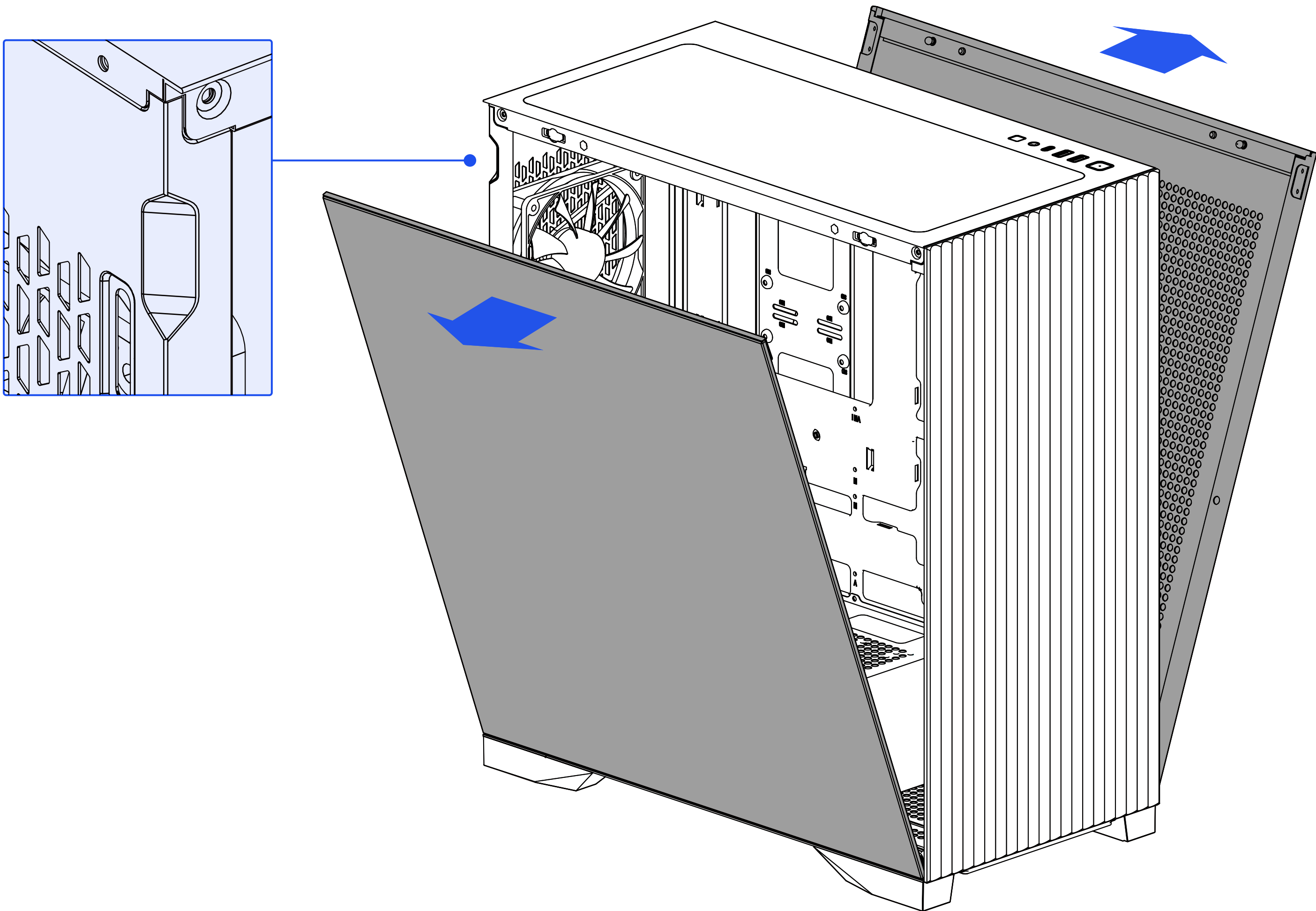
Case Structure



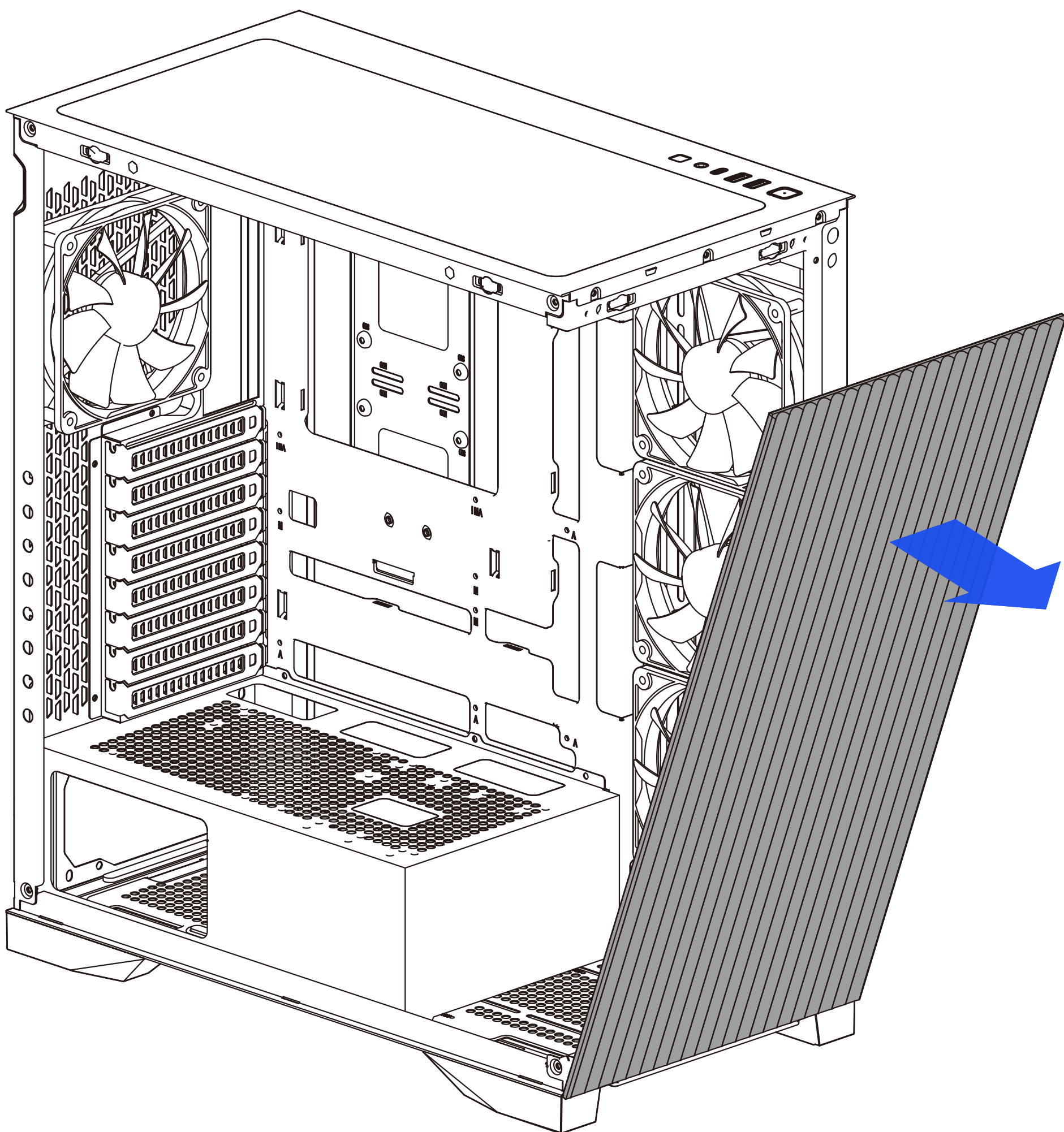
- 1** Power Button
- 2** USB 3.2 Gen 1
- 3** USB 3.2 Gen 2×2 Type-C
- 4** HD Audio Combo
(CTIA - SPK/MIC)
- 5** LED Lighting Control Switch

Installation Guide

1. Opening the Chassis

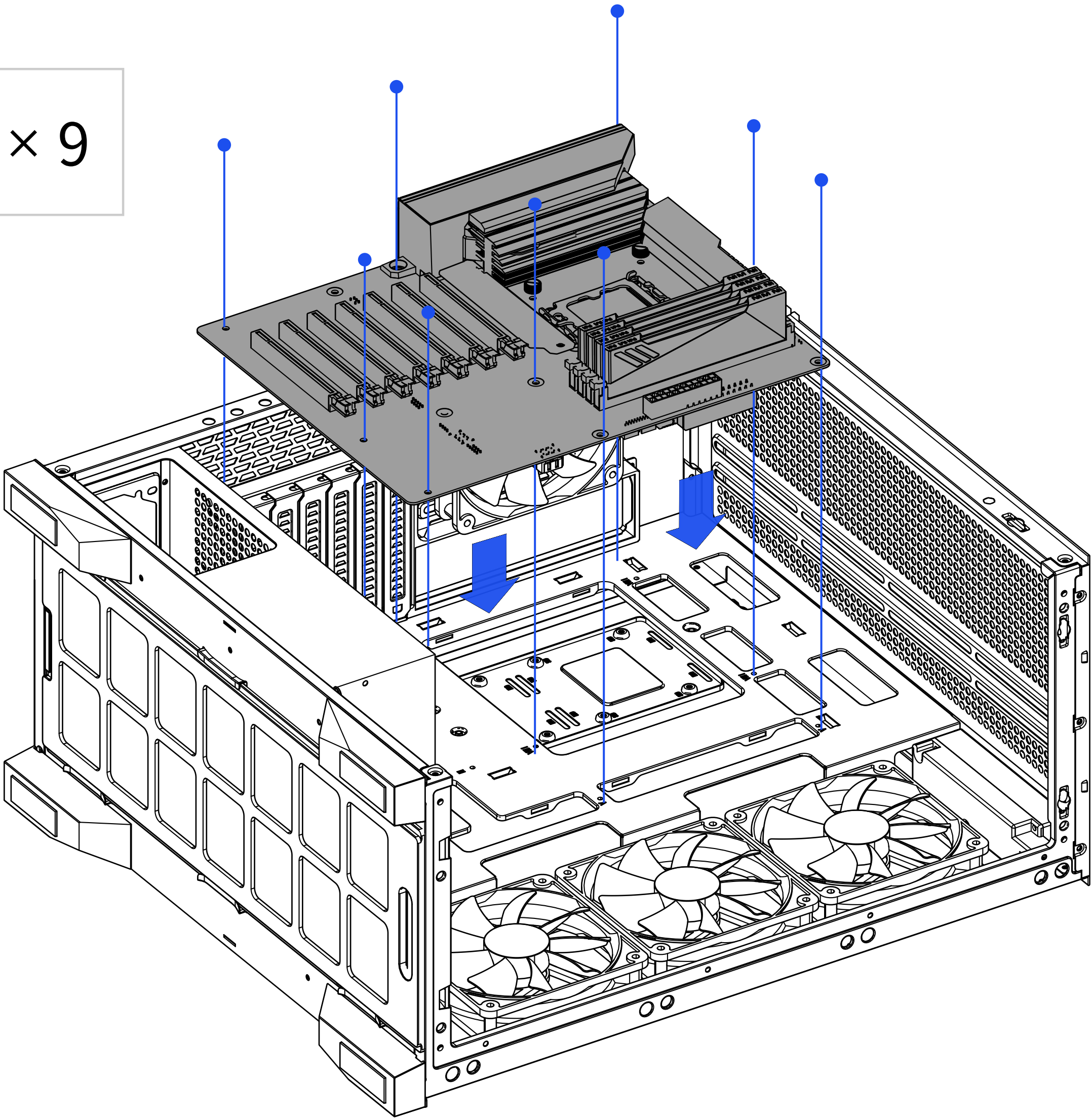
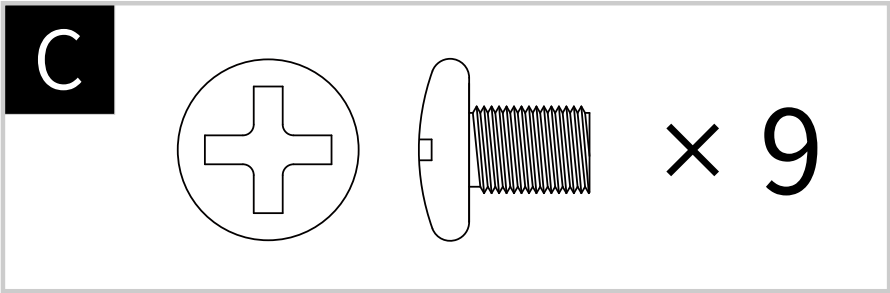


2. Remove Front Panel

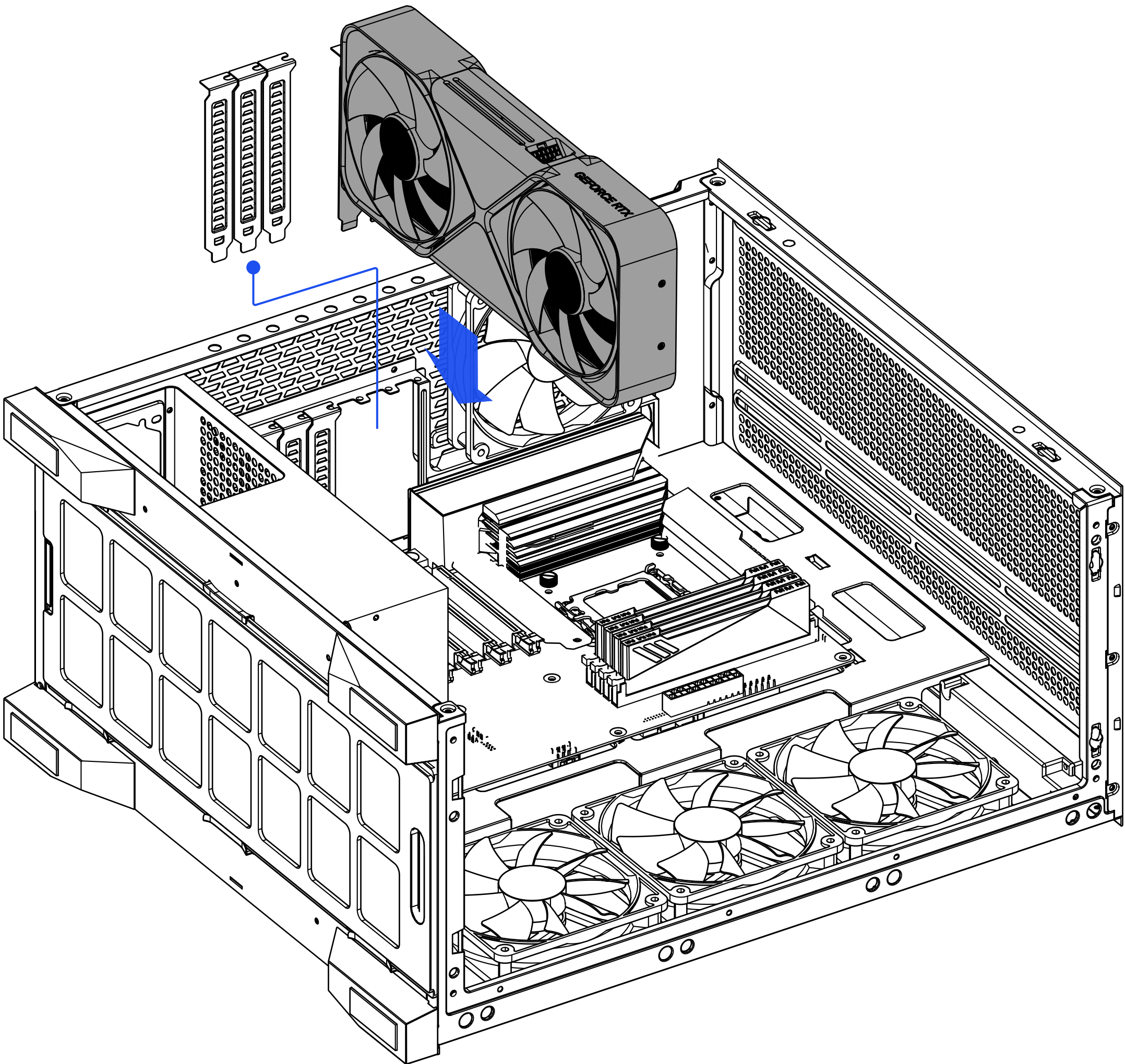


Installation Guide

3. Motherboard Installation



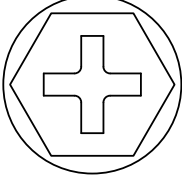
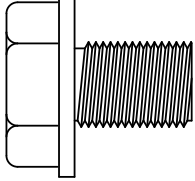
4. Graphics card Installation



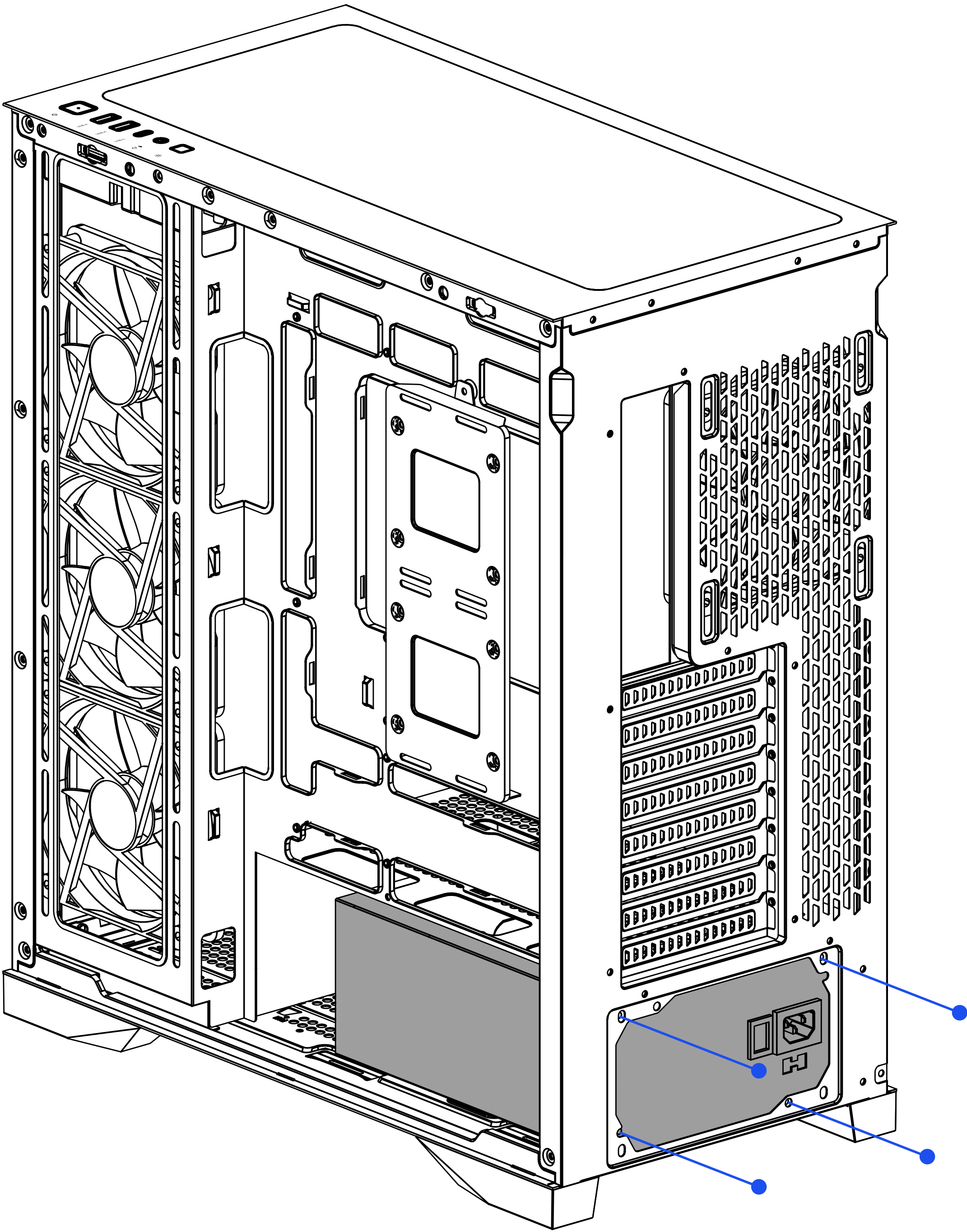
Installation Guide

5. Power Supply Installation

A

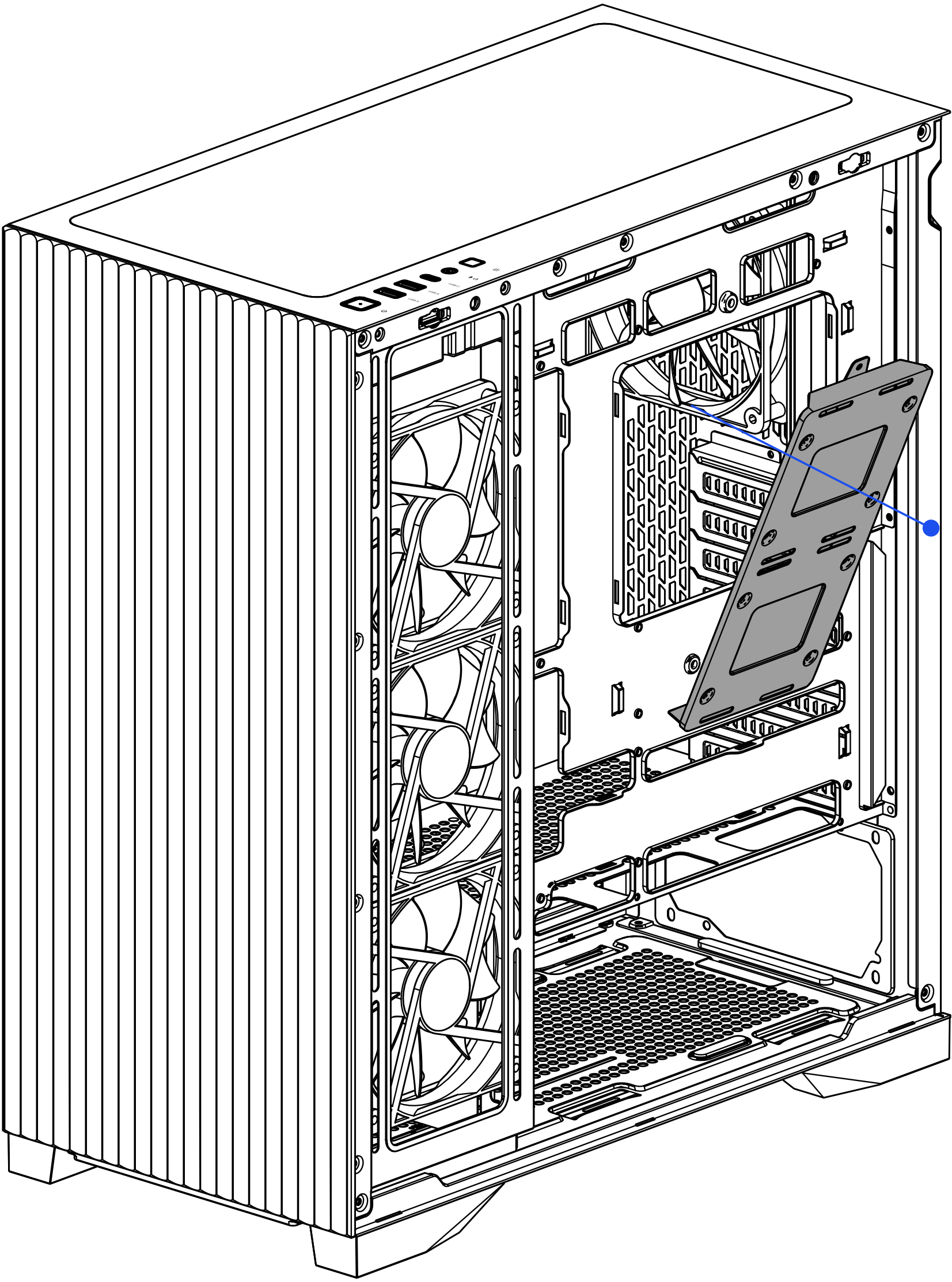



× 4

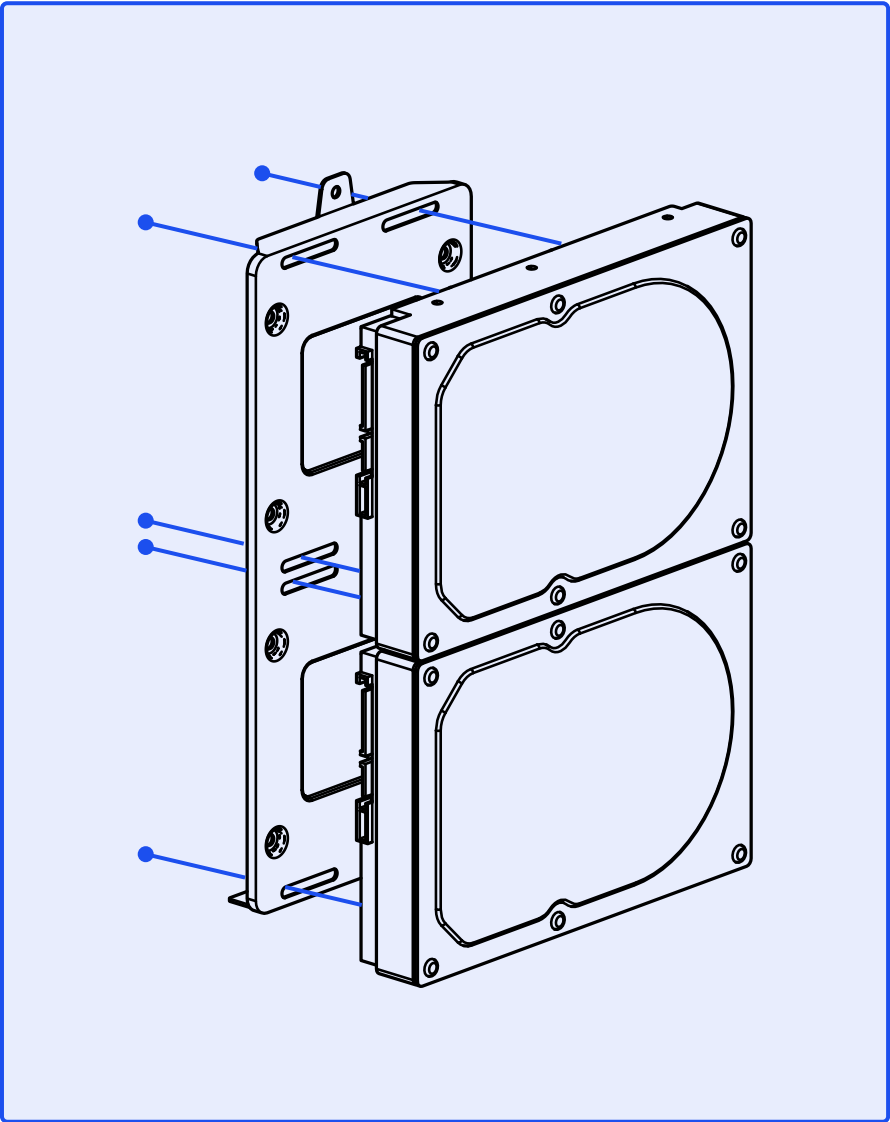
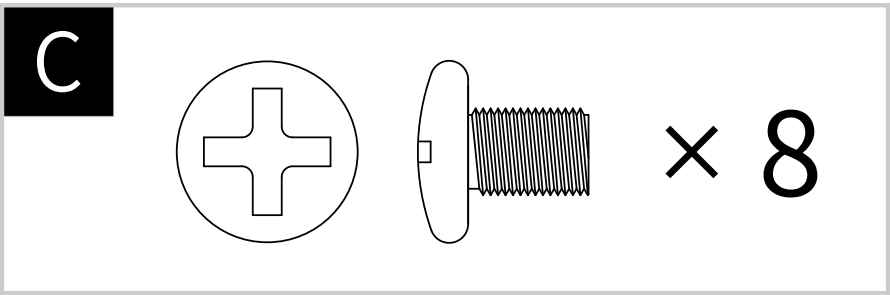


Installation Guide

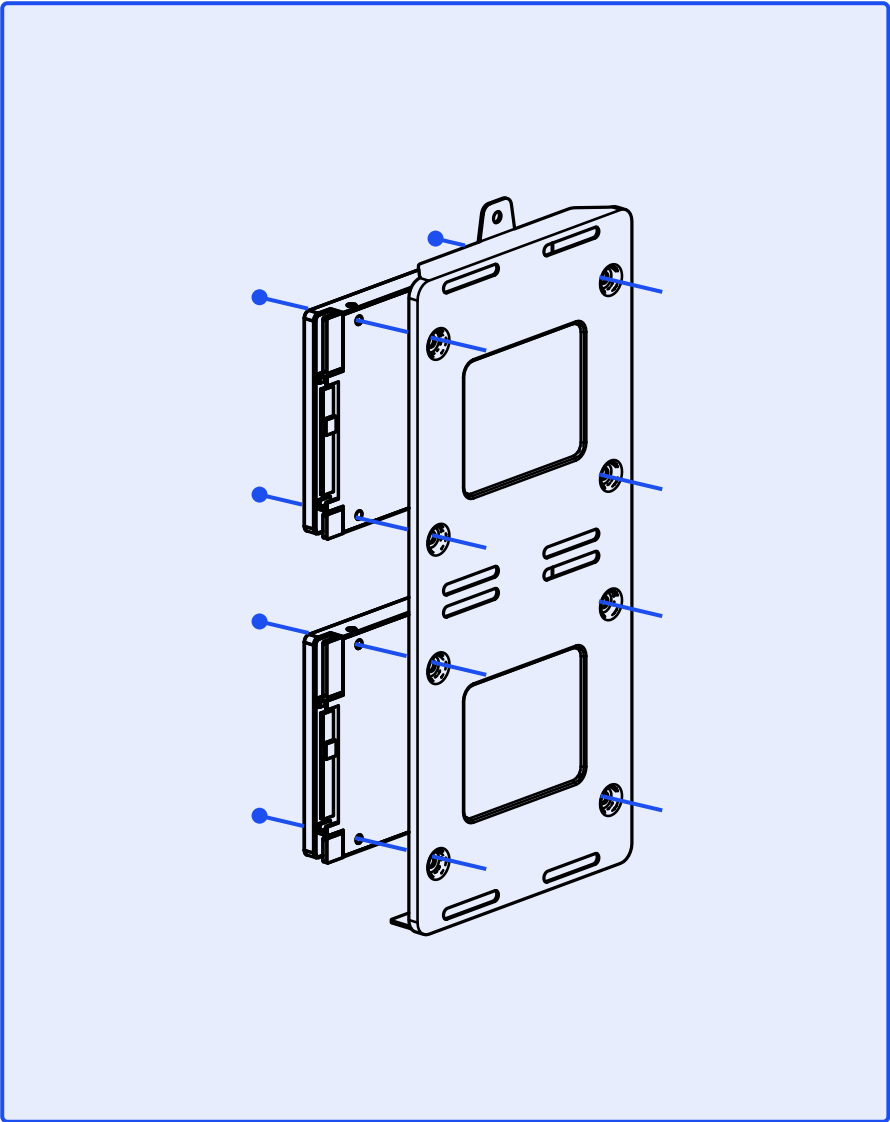
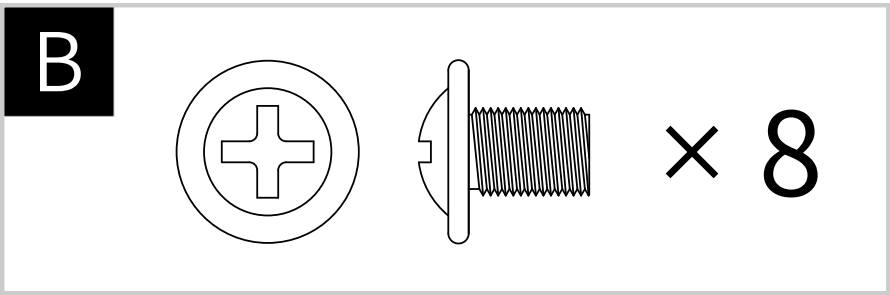
6. 2.5" / 3.5" Drive Bays Installation



3.5" HDD



2.5" SSD

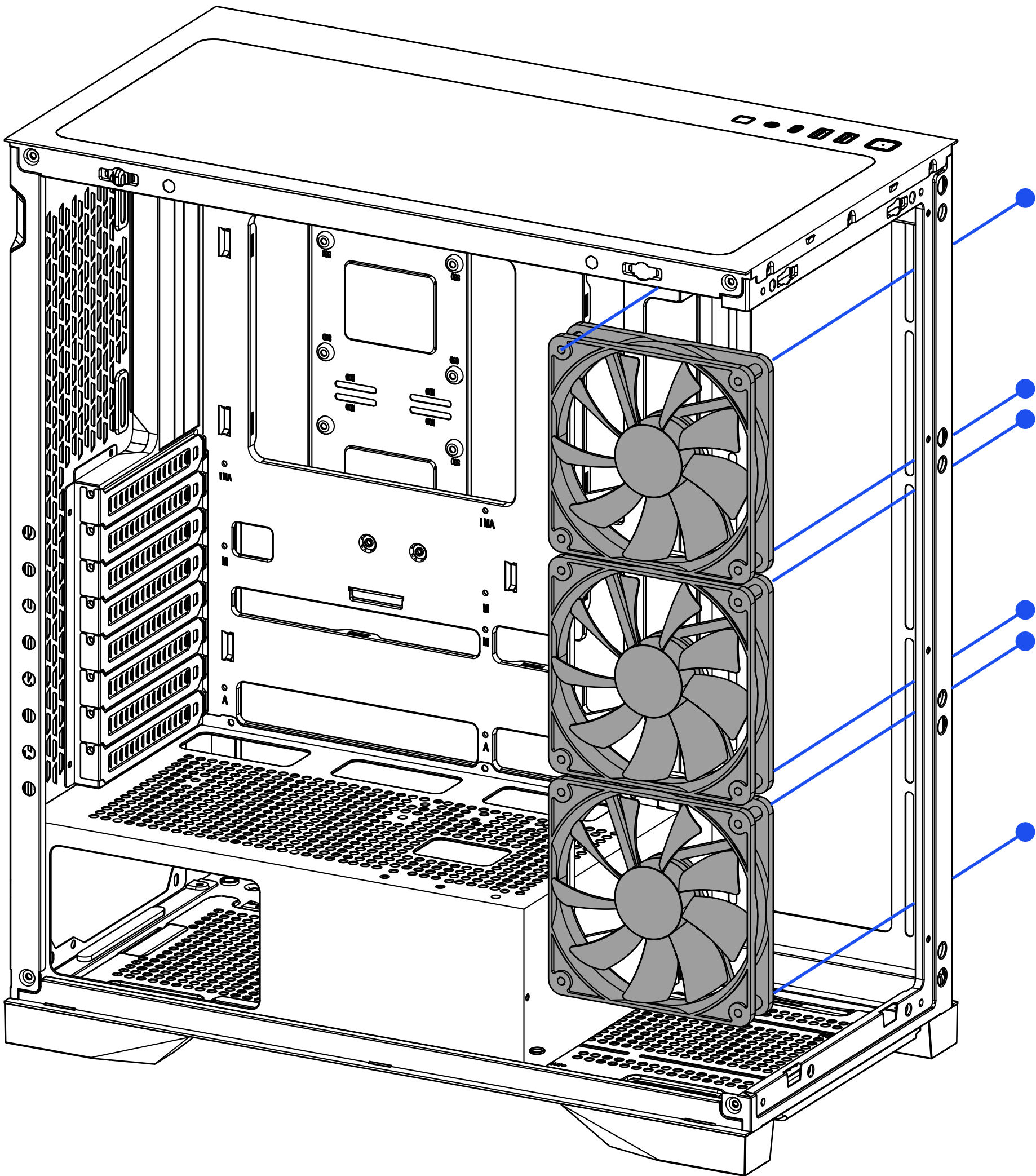


* Top SSD: Max. Height 9.5 mm
 * Bottom SSD: Max. Height 7 mm

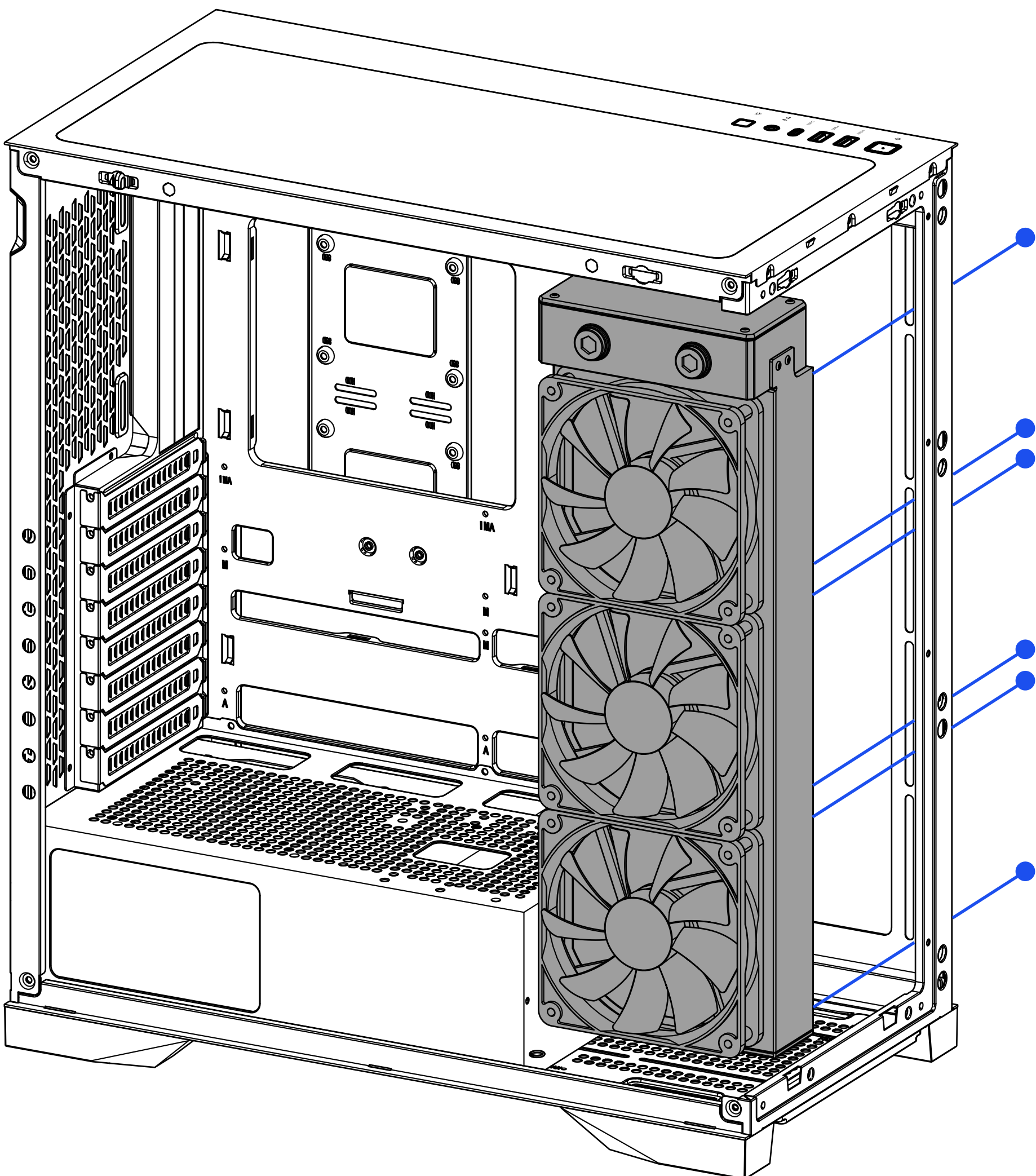
Installation Guide

7. Fan & Radiator Installation

SIDE /
COOLING FAN



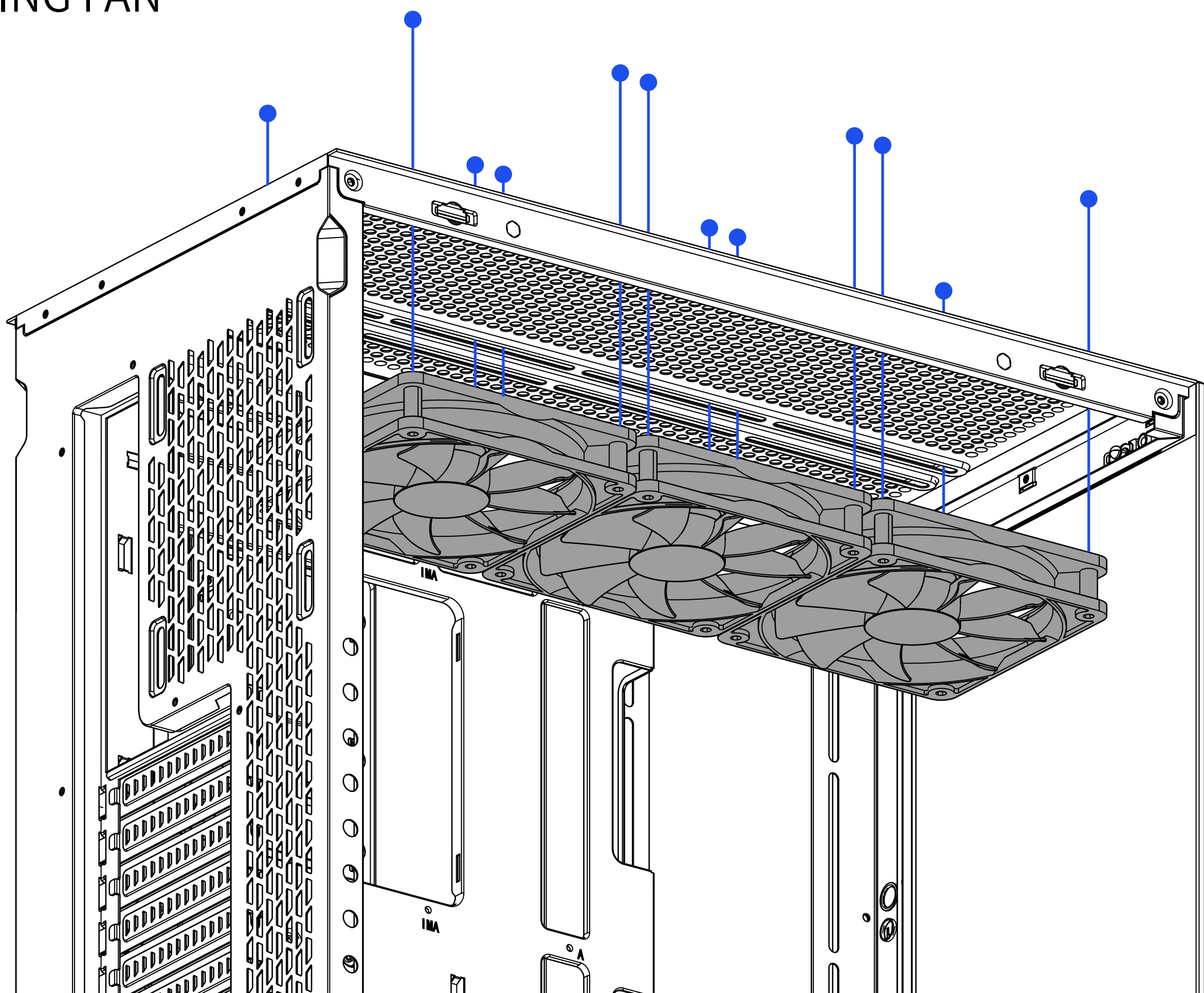
SIDE /
RADIATOR



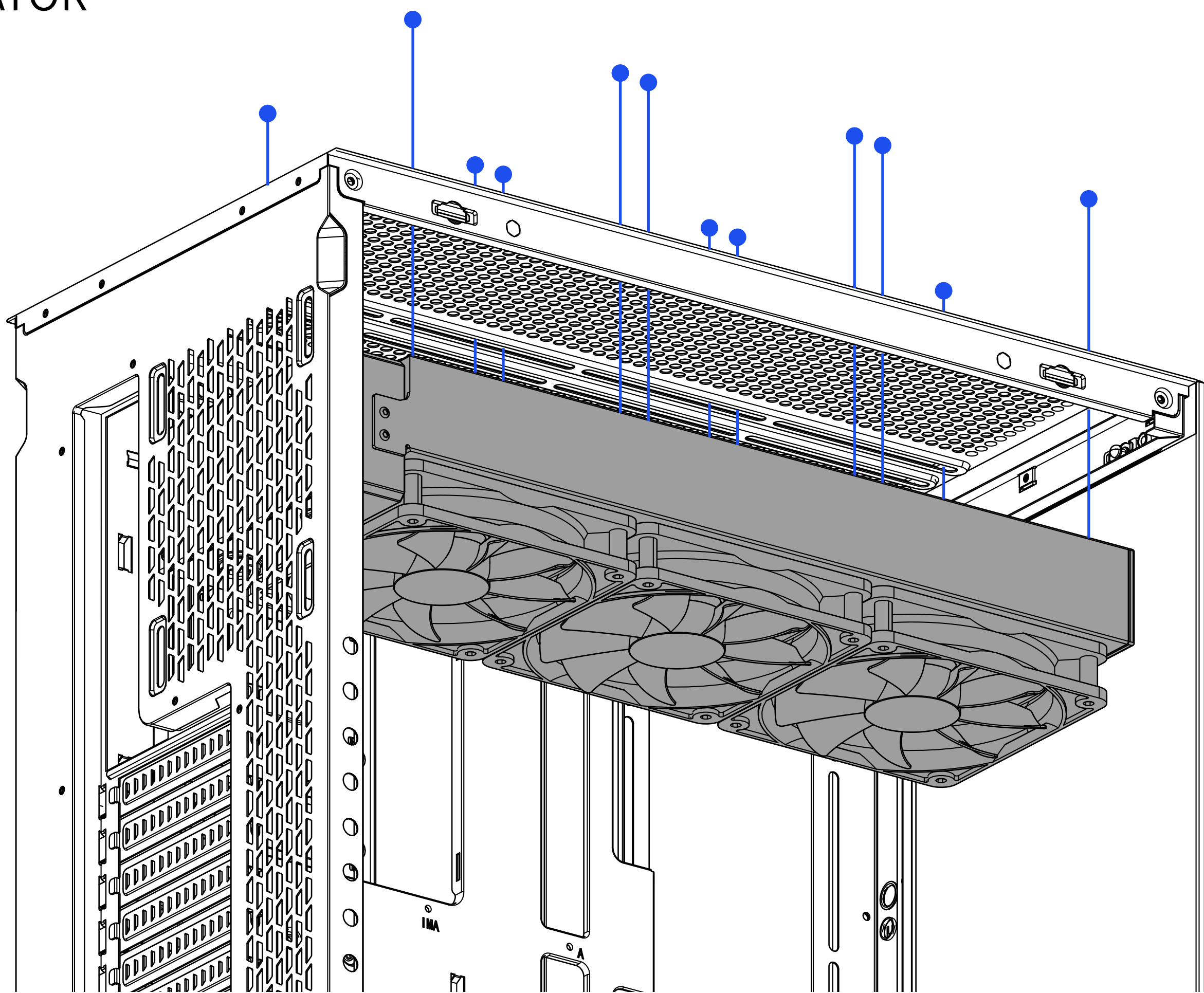
Installation Guide

7. Fan & Radiator Installation

TOP/
COOLING FAN



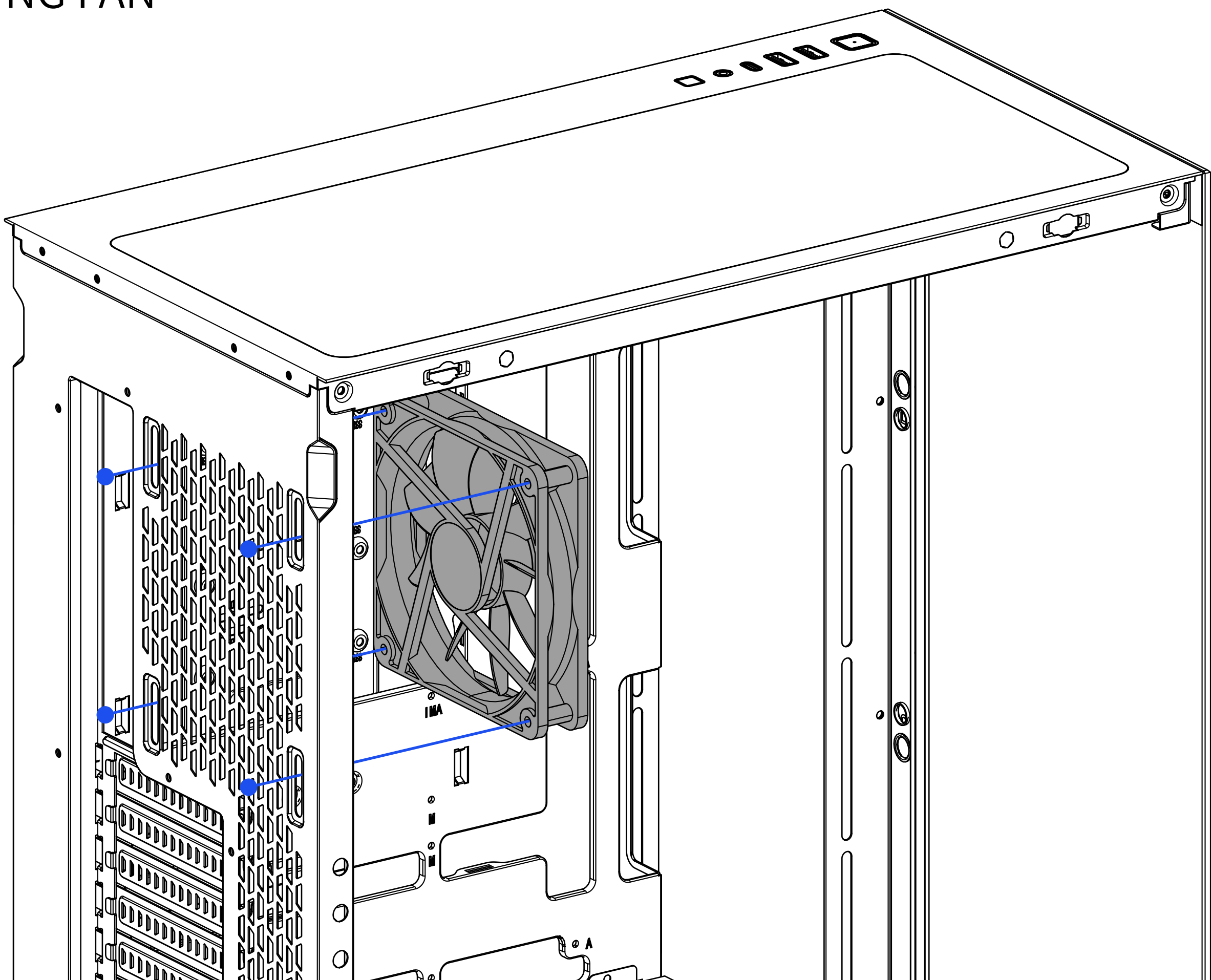
TOP/
RADIATOR



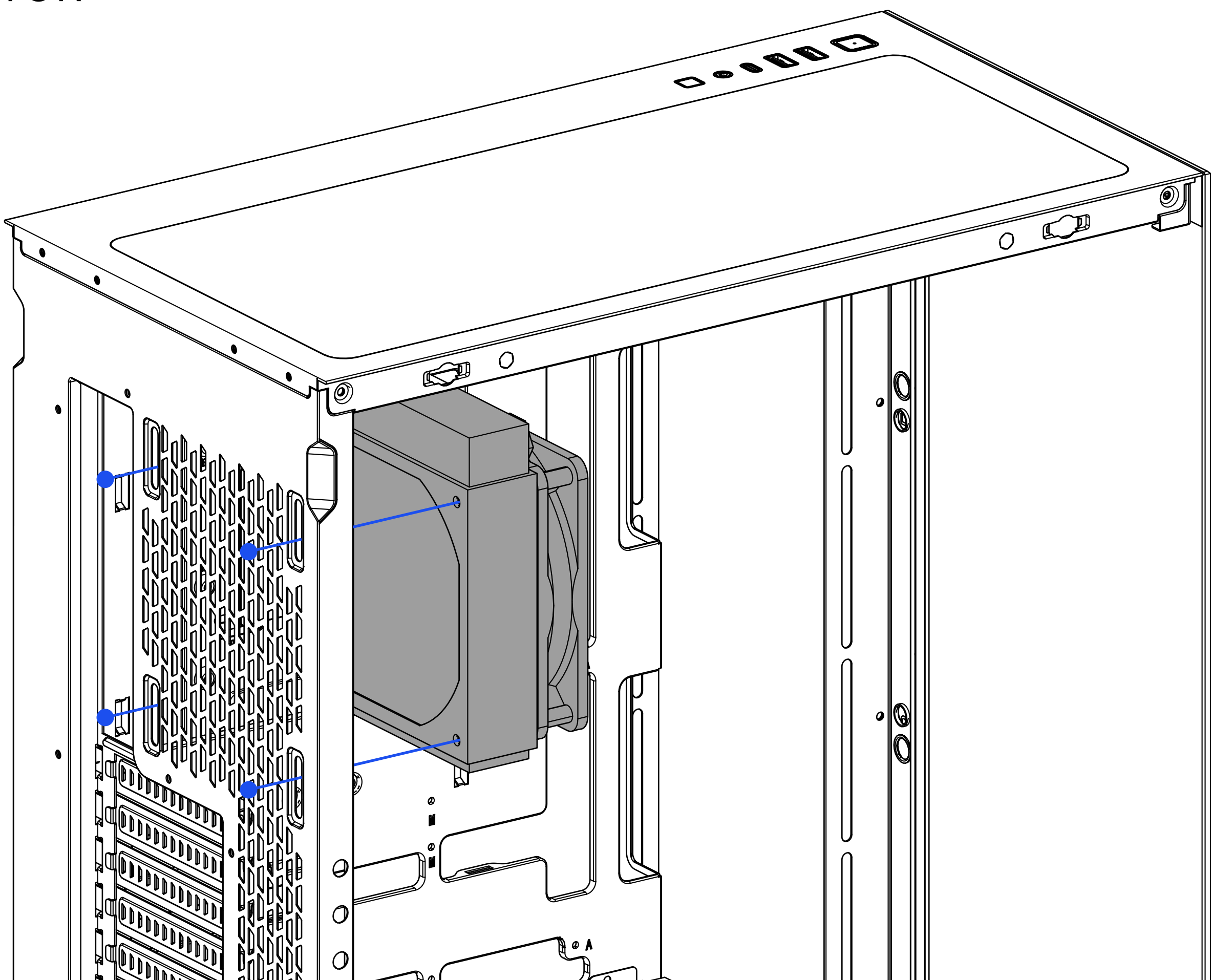
Installation Guide

7. Fan & Radiator Installation

REAR/
COOLING FAN



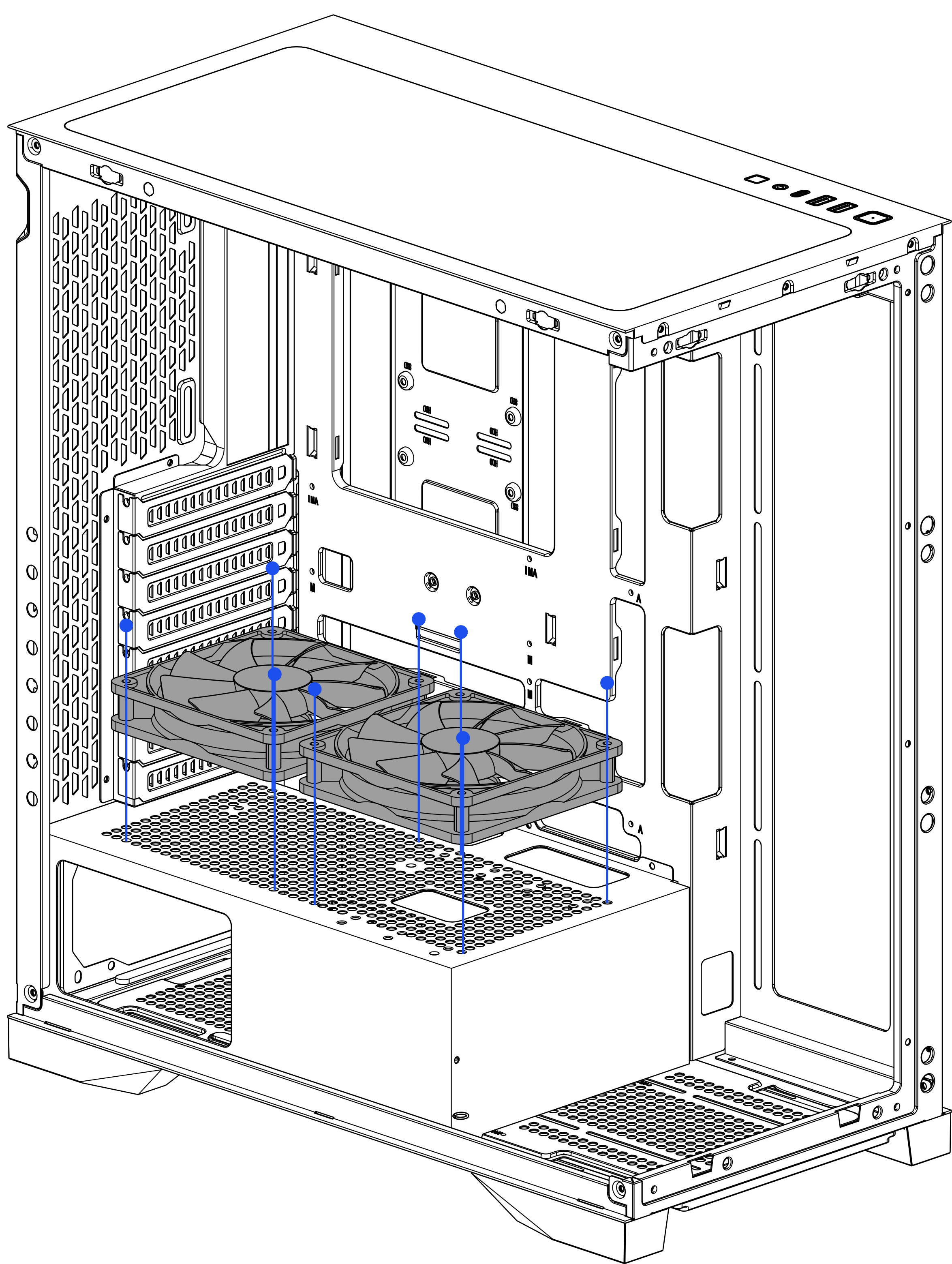
REAR/
RADIATOR



Installation Guide

7. Fan & Radiator Installation

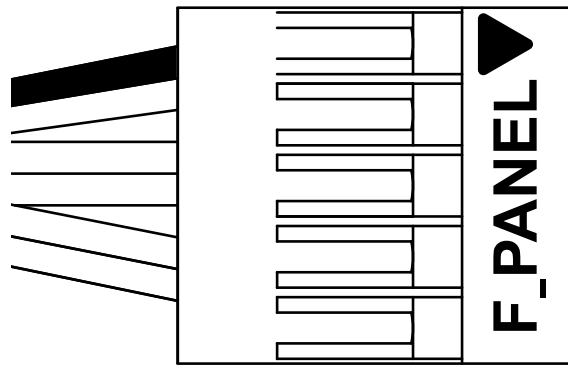
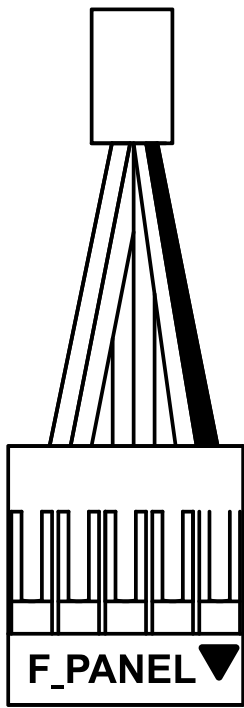
BOTTOM/
COOLING FAN



Installation Guide

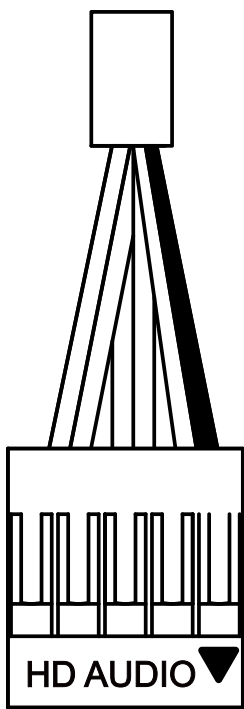
8. Cable Connection

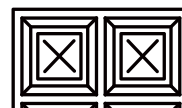
I/O Wire



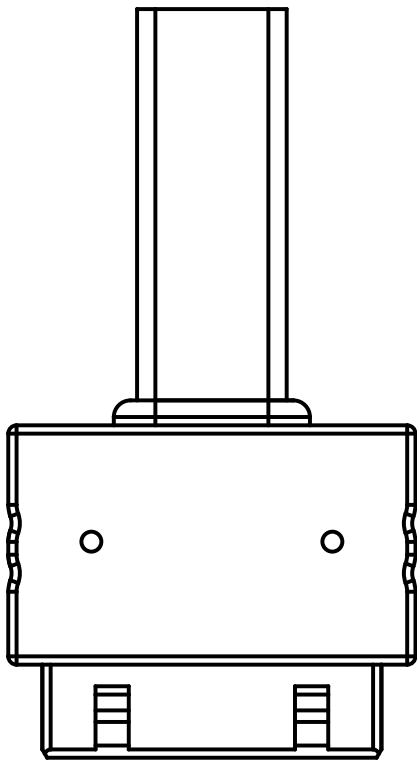
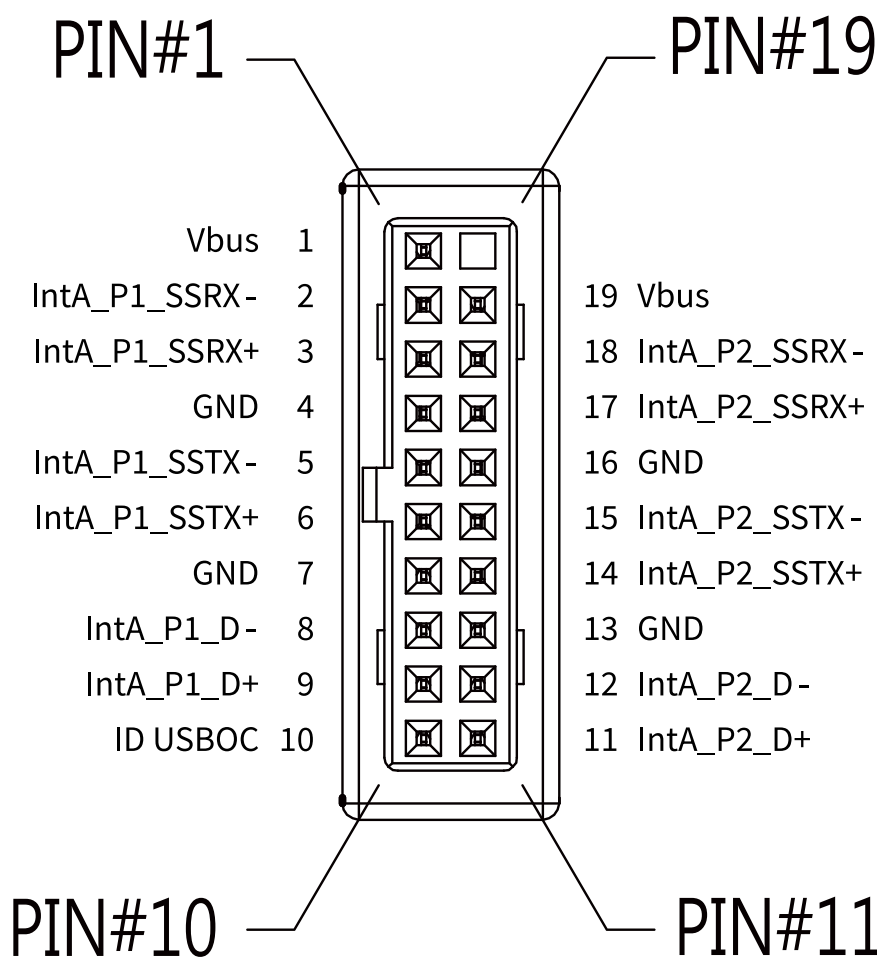
NC	10		9	KEY
NC	8		7	(POWER SW-)
NC	6		5	(POWER SW+)
NC	4		3	(POWER LED-)
NC	2		1	(POWER LED+)

HD Audio Header

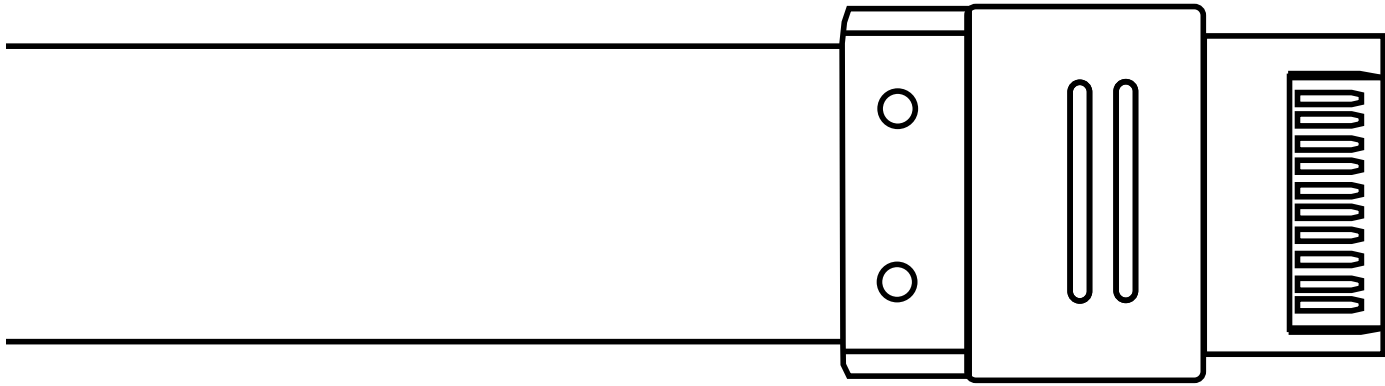


Installation Guide						
PORT2-L	BLUE	10		9	BROWN	SENSE2_R
SENSE_SEND	PURPLE	8		7		KEY
PORT2-R	YELLOW	6		5	WHITE	SENSE1_R
PORT1-R	RED	4		3	ORANGE	PRESENCE#
PORT1-L	GREEN	2		1	BLACK	GND

USB 3.2 Gen 1



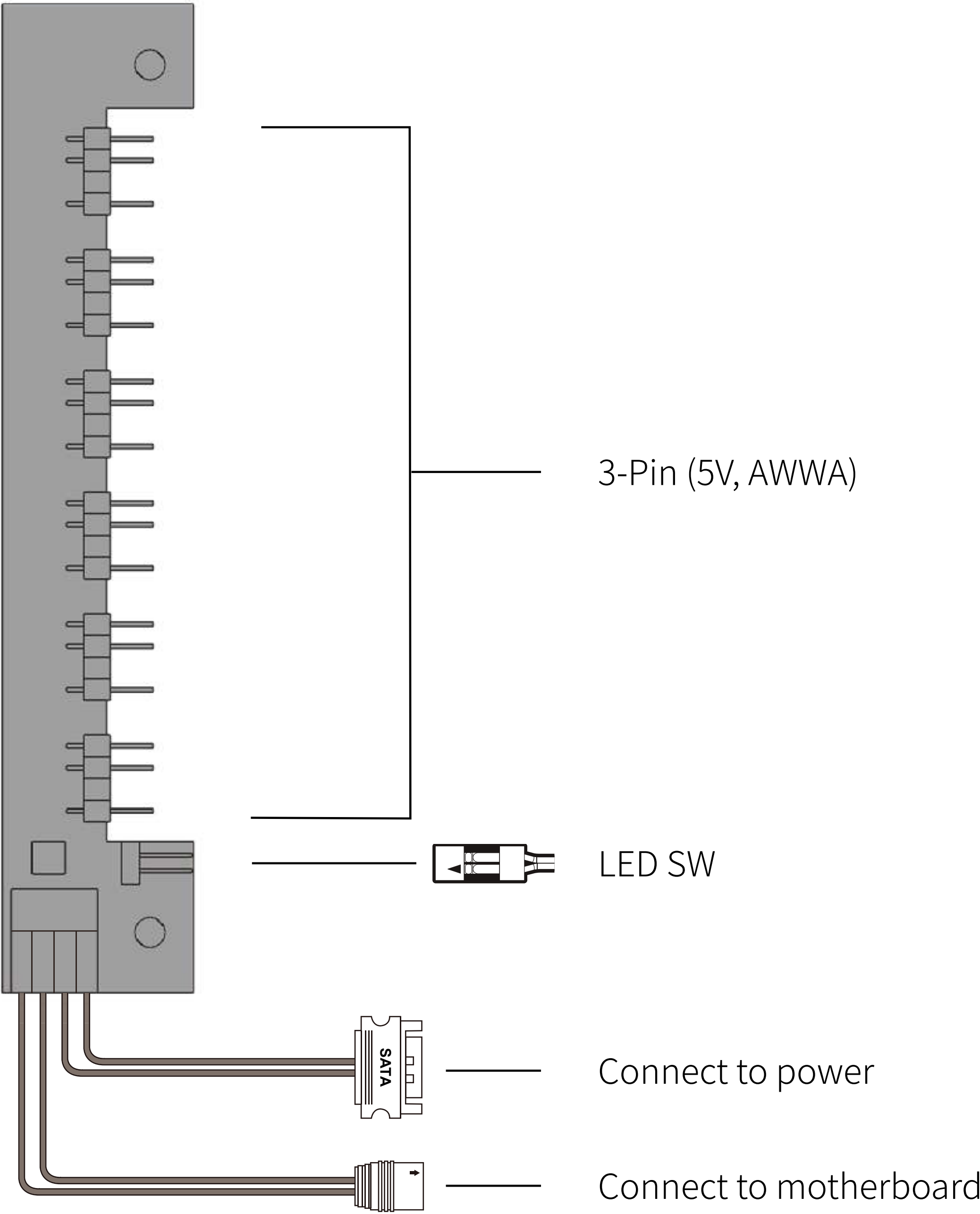
USB 3.2 Gen 2x2 Type-C



Installation Guide

9. AWWA Fan Hub

※ Due to differences between AWWA and standard ARGB lighting systems, compatibility, color synchronization, and lighting consistency cannot be guaranteed when non-AWWA devices are connected. Lighting colors and effects may differ from those of AWWA devices. For optimal lighting performance, we recommend using AWWA fans.



Light Control Instructions

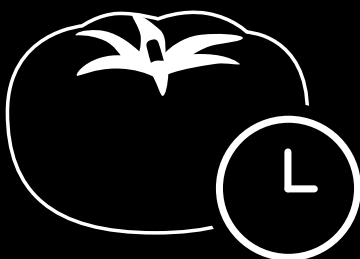
Features

- **AWWA Fan System**
Soft lighting effects transitioning from pure white to warm tones
- **Special Lighting Modes**
Interactive effects that accompany your everyday moments
- **Motherboard Sync Mode**
- **Power-Off Memory**

4 Main Modes

A **Normal Mode**
14 lighting variations from Cool White to Amber.

B **Pomodoro Mode**
Gentle light shifting throughout 25-minute focus sessions to accompany your moments of focus.

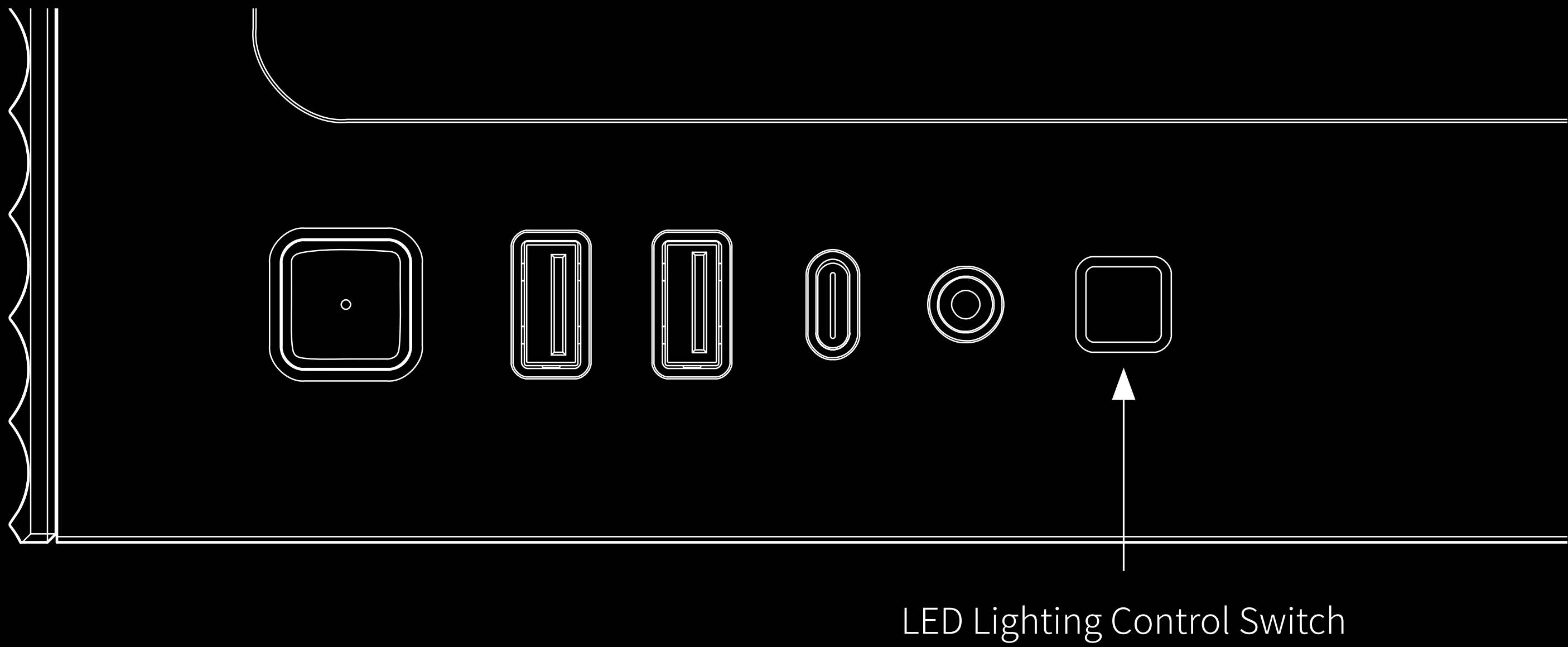


C **Meditation Breathing Mode**
Based on the 4-7-8 breathing pattern, this mode guides you through inhaling, holding, and exhaling cycles with gentle light transitions to promote relaxation.



D **Motherboard Sync Mode**

Light Control Instructions



Control Instructions



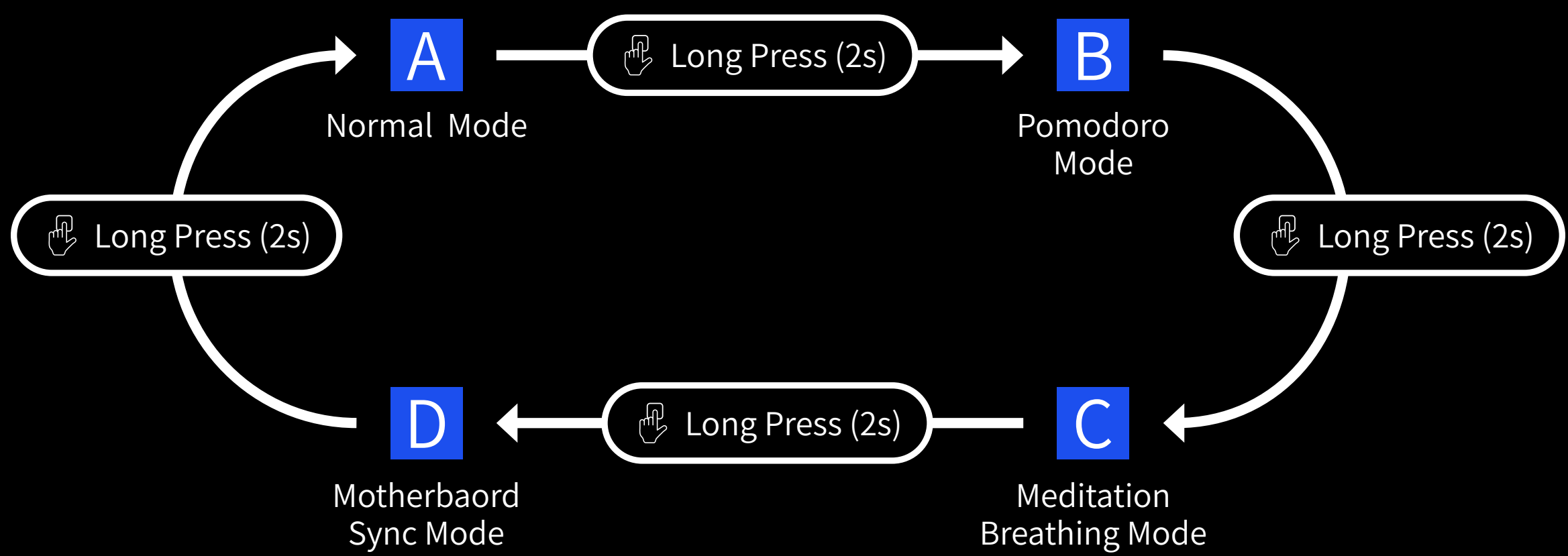
Short Press

- Switch lighting variations in **A** Normal Mode
- Start or End the session in **B** Pomodoro Mode /
C Meditation Breathing Mode



Long Press (Hold 2 Seconds)

- Switch between the 4 main modes



Long Press (Hold 6 Seconds)

- Turn off the lighting

Light Control Instructions

D Motherboard Sync Mode →  Long Press (Hold 2 Seconds)

A Normal Mode

 Short Press Switch through the lighting variations

14 lighting variations

Breathing Light Effect	1	Warm White Breathing
	2	Golden White Breathing
	3	Amber Breathing
	4	Cool White Breathing
	5	Bright White Breathing
	6	Neutral White Breathing
Solid Light Effect	7	LED – Warm White
	8	LED – Golden White
	9	LED – Amber
	10	LED – Cool White
	11	LED – Bright White
	12	LED – Neutral White
Ambient Light Effect	13	White Gradient Flow
	14	Candlelight

Light Control Instructions

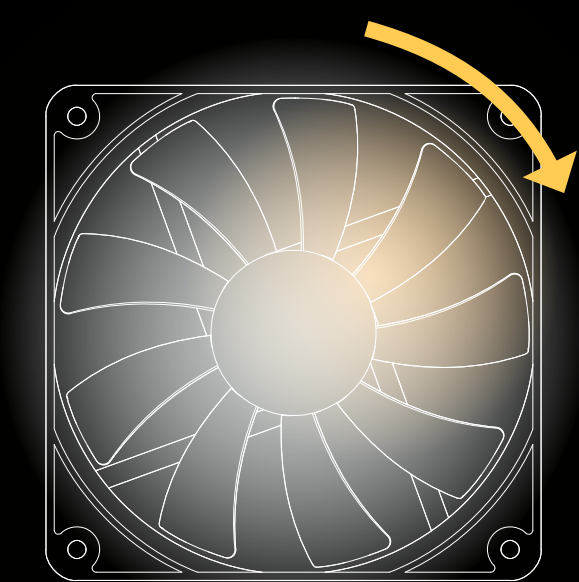
A Normal Mode → Long Press (Hold 2 Seconds)

B Pomodoro Mode

The Pomodoro Technique is a time management method that helps people stay focused by breaking work into short sessions, usually 25 minutes, followed by short breaks. It is commonly used to improve concentration, reduce procrastination, and make tasks feel more manageable.



Default
(Standby)

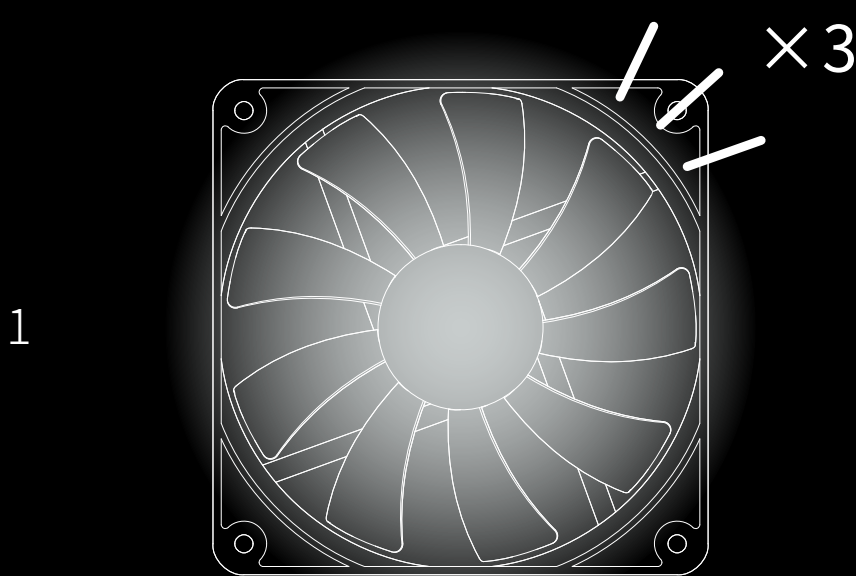


The Preset Light Effect

Light Effect: White light with a clockwise-rotating neutral white glow.

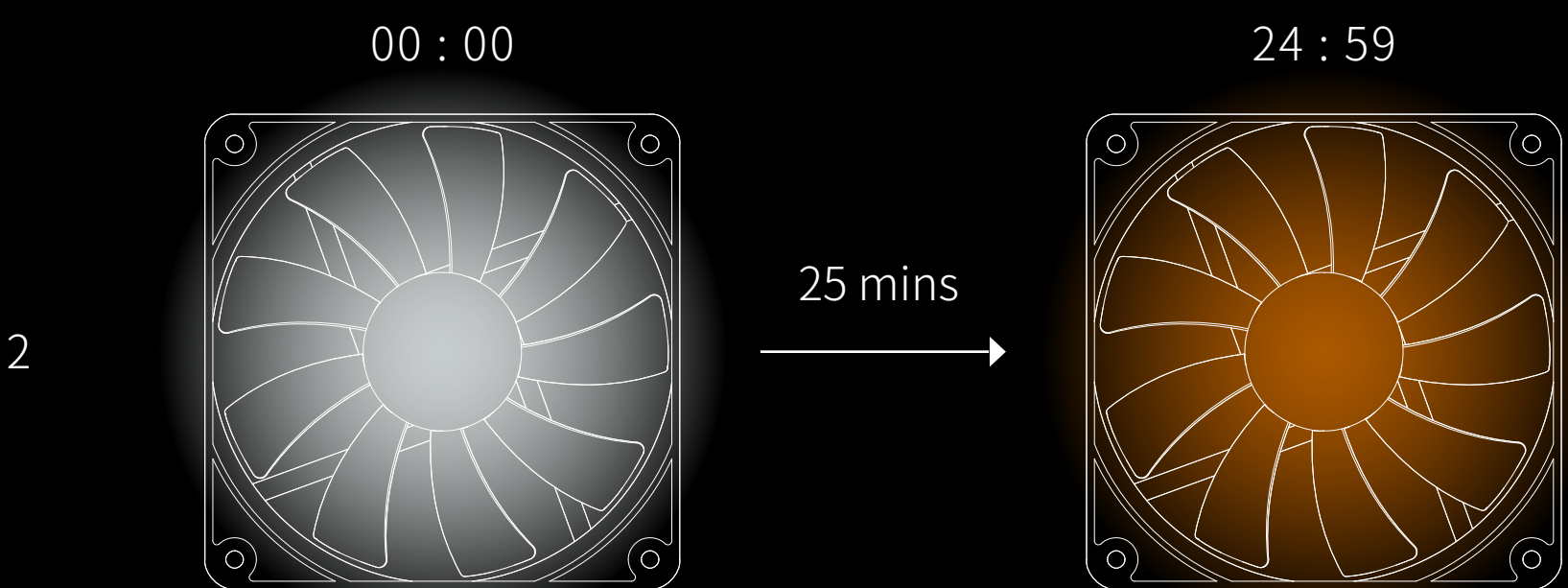
Short Press

Start a
Pomodoro
Session



Get-Ready Countdown

Light Effect: Cool white light flashes 3 times.

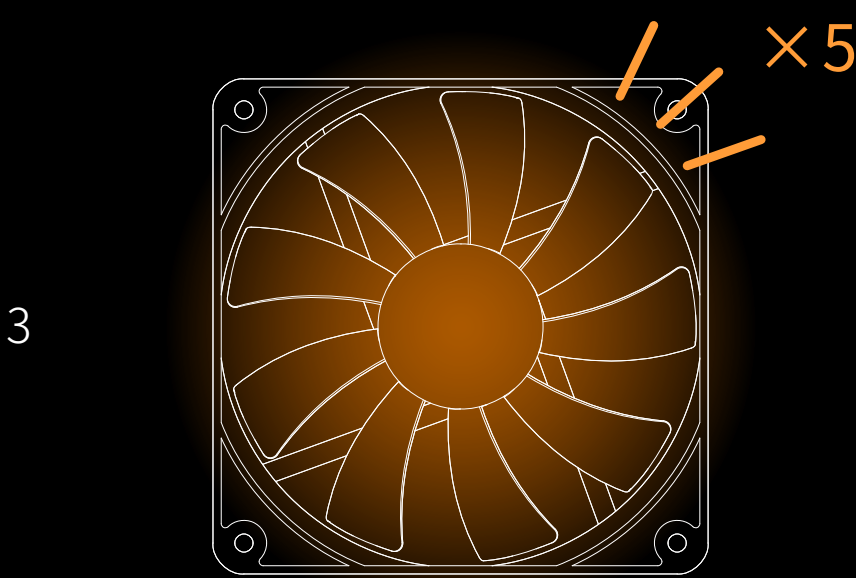


25-minute Pomodoro Session

Light Effect: Slow breathing transition from cool white to amber.

Short Press

Exit the session and return to Default (Standby)



Session Complete

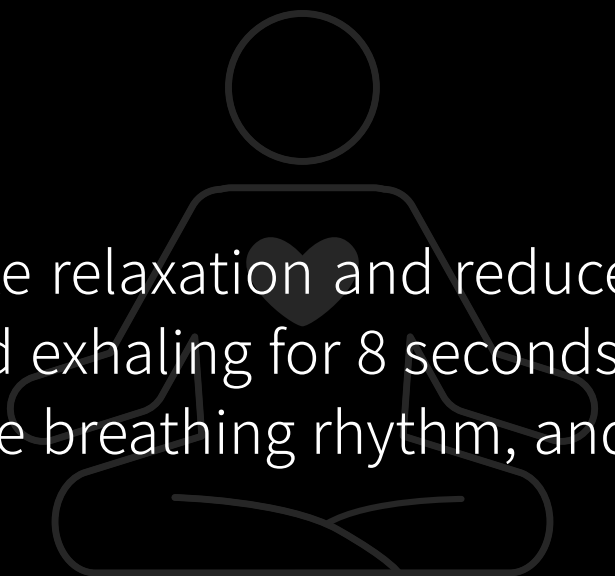
Light Effect: Amber light flashes 5 times, then returns to Default (Standby) automatically.

Light Control Instructions

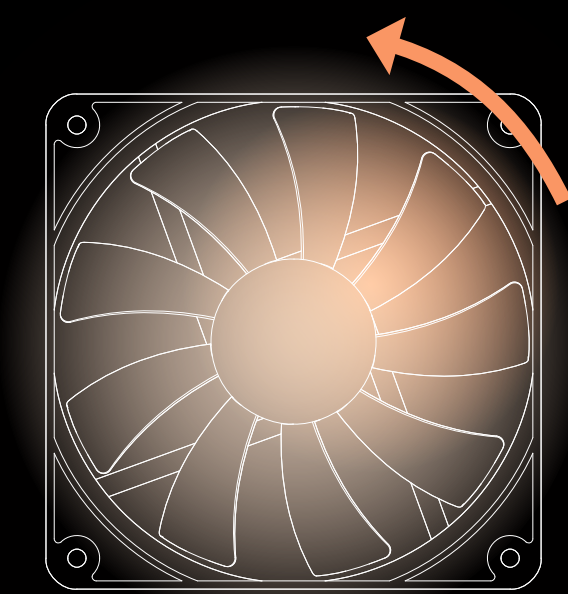
B Pomodoro Mode → **Long Press (Hold 2 Seconds)**

C Meditation Breathing Mode

The 4-7-8 breathing method is a simple breathing technique used to promote relaxation and reduce stress. It involves inhaling for 4 seconds, holding the breath for 7 seconds, and exhaling for 8 seconds, then repeating the cycle. This method is often used to calm the mind, slow the breathing rhythm, and support relaxation before sleep or during stressful moments.



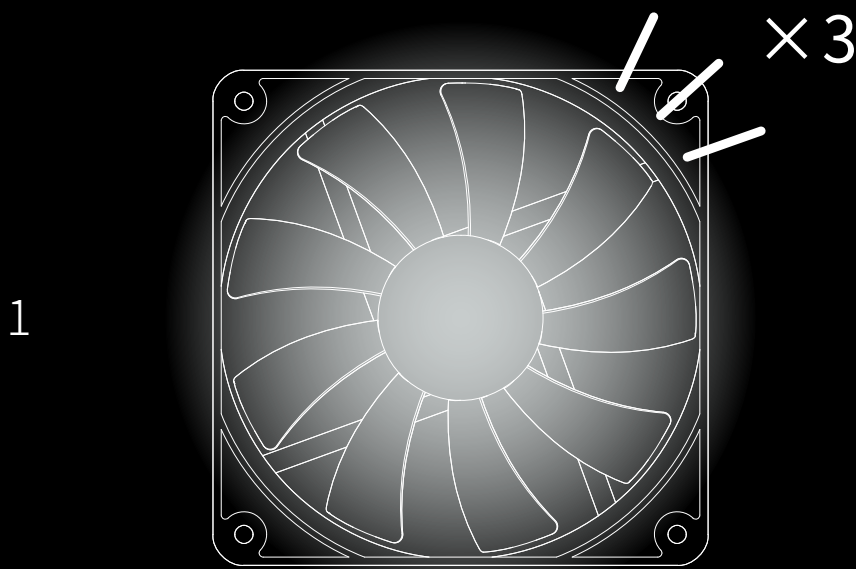
Default (Standby)



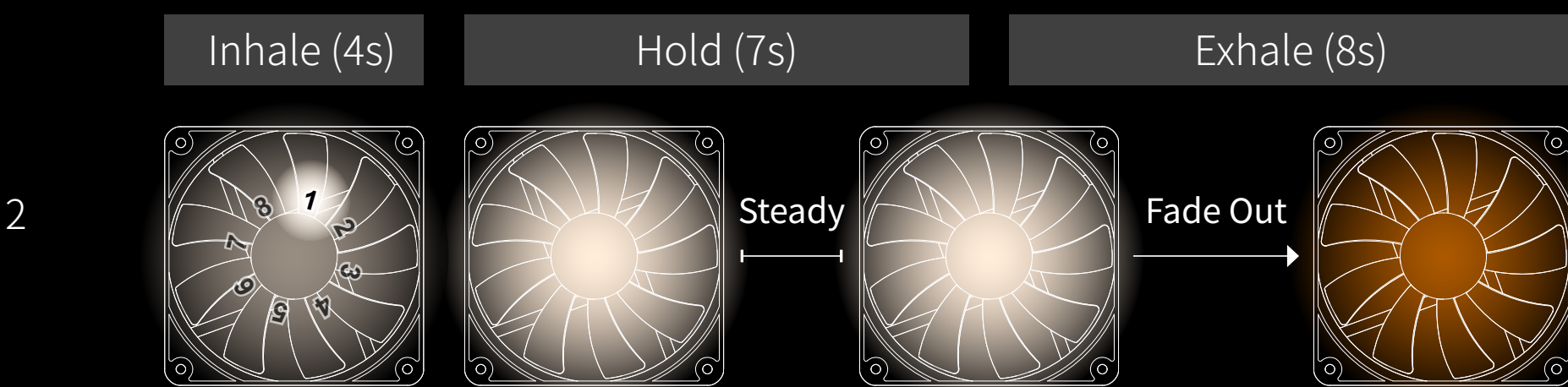
The Preset Light Effect
Light Effect: Warm white light with a counterclockwise-rotating amber glow.

Short Press

Start a Meditation Breathing Session

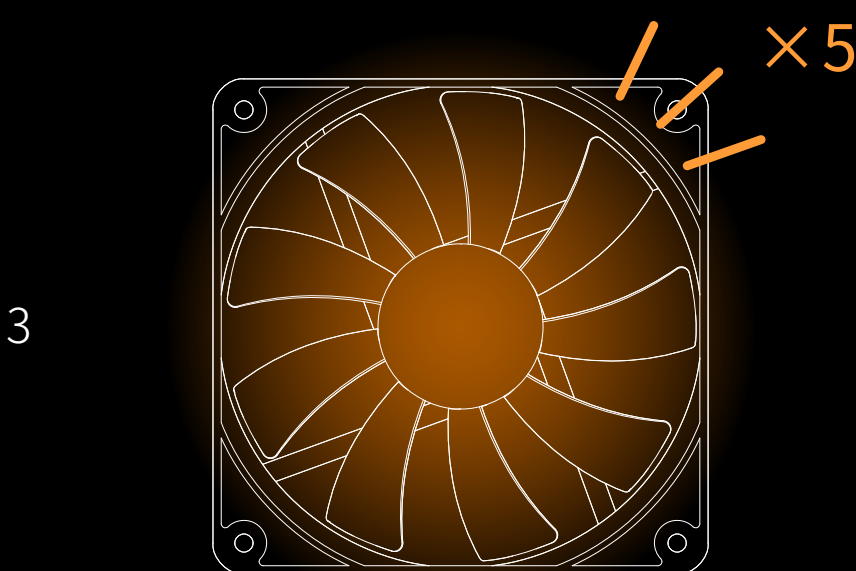


Get-Ready Countdown
Light Effect: Cool white light flashes 3 times.



Meditation Breathing Session (10 rounds)
Light Effect: Guided light transitions follow the 4-7-8 breathing pattern.

Short Press Exit the session and return to Default (Standby)



Session Complete
Light Effect: Amber light flashes 5 times, then returns to Default (Standby) automatically.

Light Control Instructions

C Maditation Breathing Mode →  Long Press (Hold 2 Seconds)

D Motherboard Sync Mode

Allows the fan lighting to sync with and be controlled by the motherboard.

ARGB to AWWA Channel Assignment:

- | | | |
|---|---|---|
|  Green | → |  Cool White |
|  Blue | → |  Neutral White |
|  Red | → |  Amber |

Notices and Warranty

Notices

1. Please follow the user manual for installation guidelines.
2. When installing computer components, please use the anti-static precautions to prevent ESD (electrostatic discharge) damage. This can cause injury to the installer and/or damage to the machine. Incorrect installation may burn out your motherboard and other system components.
3. To avoid any damage, please do not use this product for any other purpose than its intended use.
4. Any modifications may damage the product.
5. Please remove all internal devices before shipping or moving. (Including the power supply, hard drives, CD-ROM, motherboard and 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 any final modifications.



***Innovation from
Inception to Integration***