



User Manual

W31

NEW HORIZONS

Mid Tower

InWin ATX PC CASE

PRUDUCT VIDEO INFORMATION



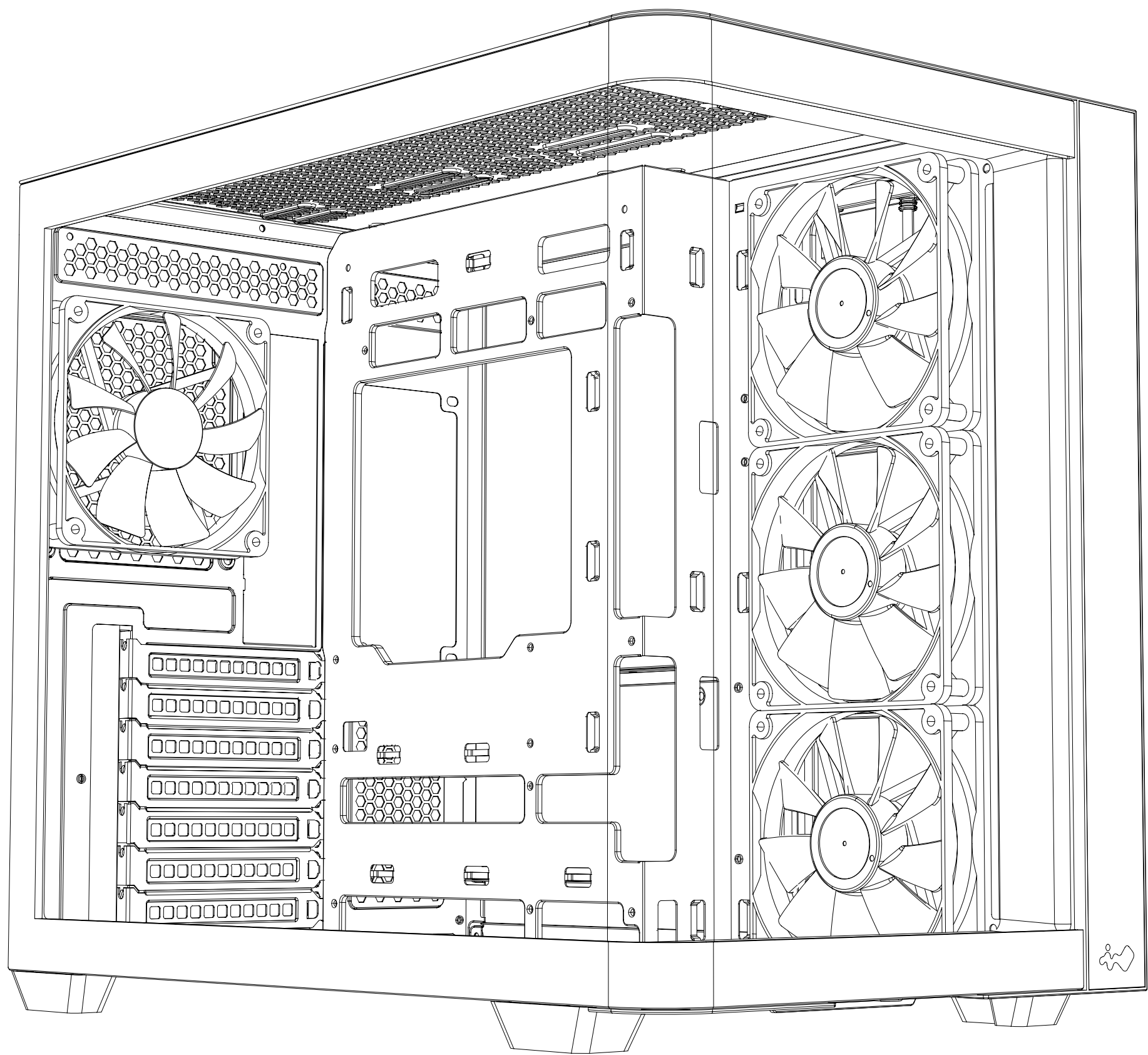
W31 Product Video



W31 Installation Guide Video



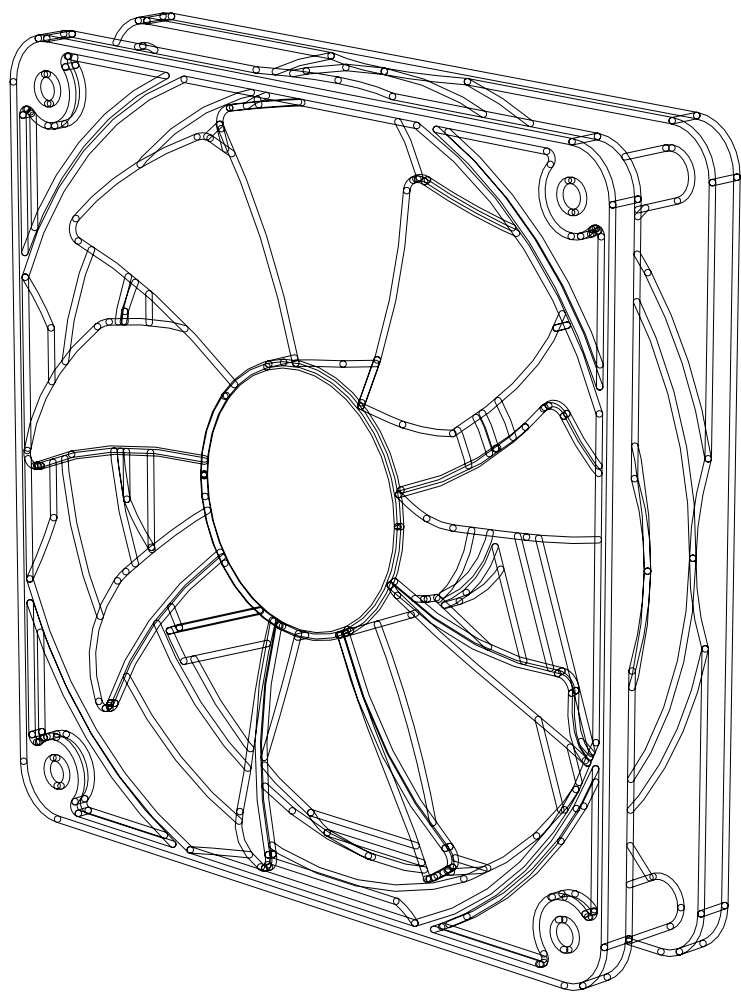
SPECIFICATIONS



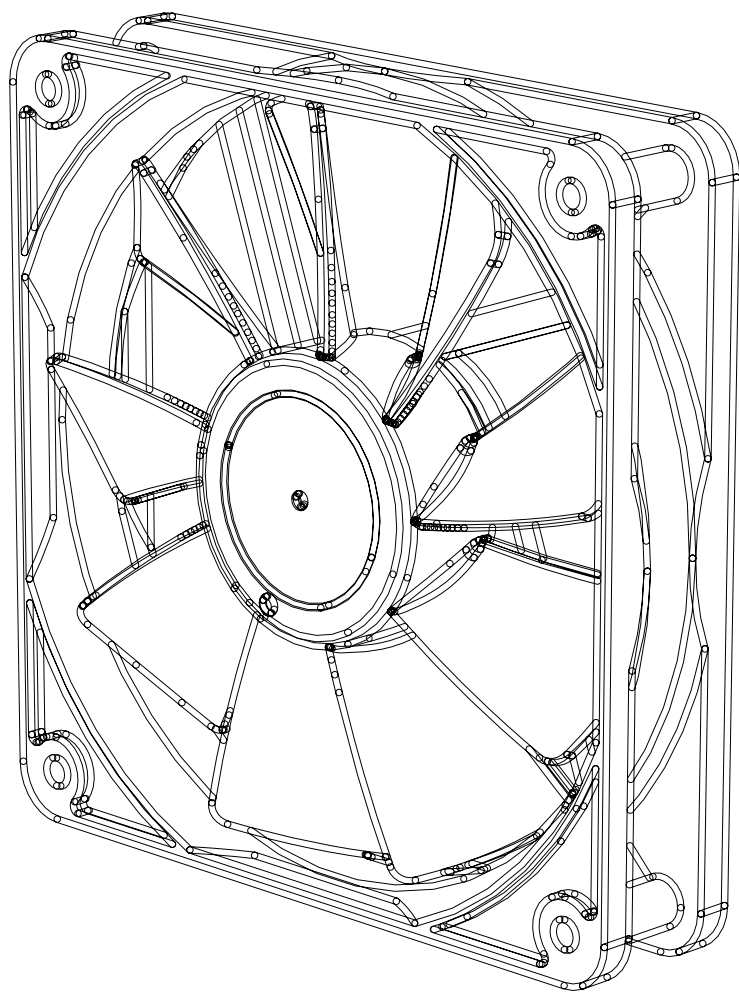
Model	W31
Model Number	IW-CS-W31BLK-4VX120
Colors	Black
Case Type	Mid Tower
Material	Tempered Glass, SPCC
M/B compatibility	ATX, Micro-ATX, Mini-ITX
Expansion Slots	7 x PCIe
Maximum Compatibility	GPU Length : Up to 410 mm CPU Heatsink Height : 160 mm
I/O Ports	1 x USB 3.2 Gen 2x2 Type-C 2 x USB 3.2 Gen 1 HD Audio Reset Button LED Lighting Control Switch Power Button
Internal Drive Bays	1 x 3.5" & 2 x 2.5" 1 x 3.5"/ 1 x 2.5"
Thermal Solution Compatibility	Air Cooling Fans: Top: 3 x 120 / 2 x 140 mm Rear: 1 x 120 mm (1 InWin VX120 Fan Pre-Installed) Side: 3 x 120 / 2 x 140 mm (3 InWin VX120-RB Fans Pre-Installed) Bottom: 3 x 120 mm Water Cooling Radiators: Top: 1 x 280 / 360 mm Rear: 1 x 120 mm Bottom: 1 x 240 / 360 mm Side: 1 x 240 / 280 mm
Power Supply Compatibility	PSII : ATX12V - Length up to 240 mm
Product Dimensions (L x W x H)	460 x 285 x 400 mm 18.11 x 11.22 x 15.75"
Package Dimensions (L x W x H)	455 x 378 x 557 mm 17.91 x 14.88 x 21.93"
Net Weight	7.07 kg / 15.59 lbs
Gross Weight	8.67 kg / 19.11 lbs

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

SPECIFICATIONS



Regular Blade

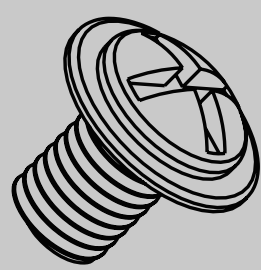


Reverse Blade

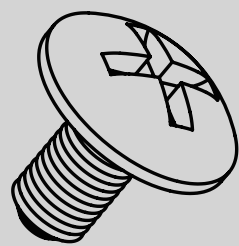
Model	VORTEX	
Styles	Regular Blade	Reverse Blade
Model Number	IW-FN-VX120-1PK	IW-FN-VX120-RB-1PK
Colors	Black	
Fan Size	120 x 120 x 25 mm	
Materials	PC, PBT	
Rated Voltage	DC 12V	
Rated Power	2.76W	
Rated Current	0.23A	
ARGB Rated Voltage	DC 5V	
ARGB Rated Power	1.45W	
ARGB Rated Current	0.29A	
Speed Mode	PWM 600 - 1600 RPM	
Air Flow	66.37 CFM	63.89 CFM
Air Pressure	1.4mm / H ₂ O	1.05mm / H ₂ O
LED	Addressable RGB	
Connector to M/B	4-Pin (12V, PWM), 3-Pin (5V, ARGB)	
Noise Level	31.7 dB(A)	37.2 dB(A)
Bearing Type	Hydro Bearing	

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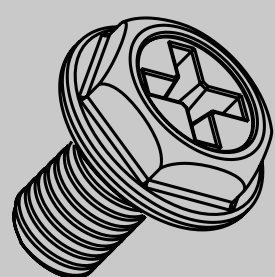
Accessories Bag



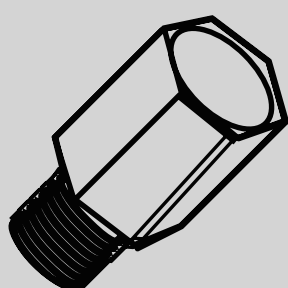
Motherboard / 2.5" SSD screws x 18



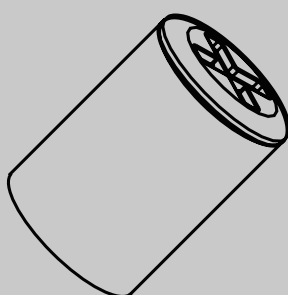
3.5" HDD Screws x 9



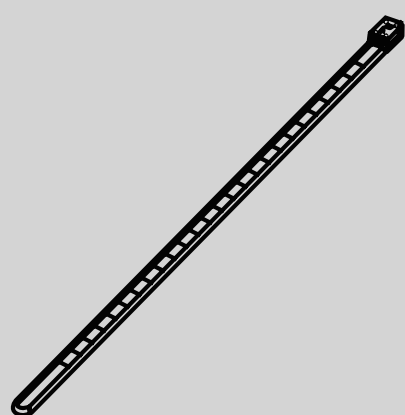
PSU Screws x 6



Motherboard Stand-offs x 3



Motherboard Stand-off Socket x 1

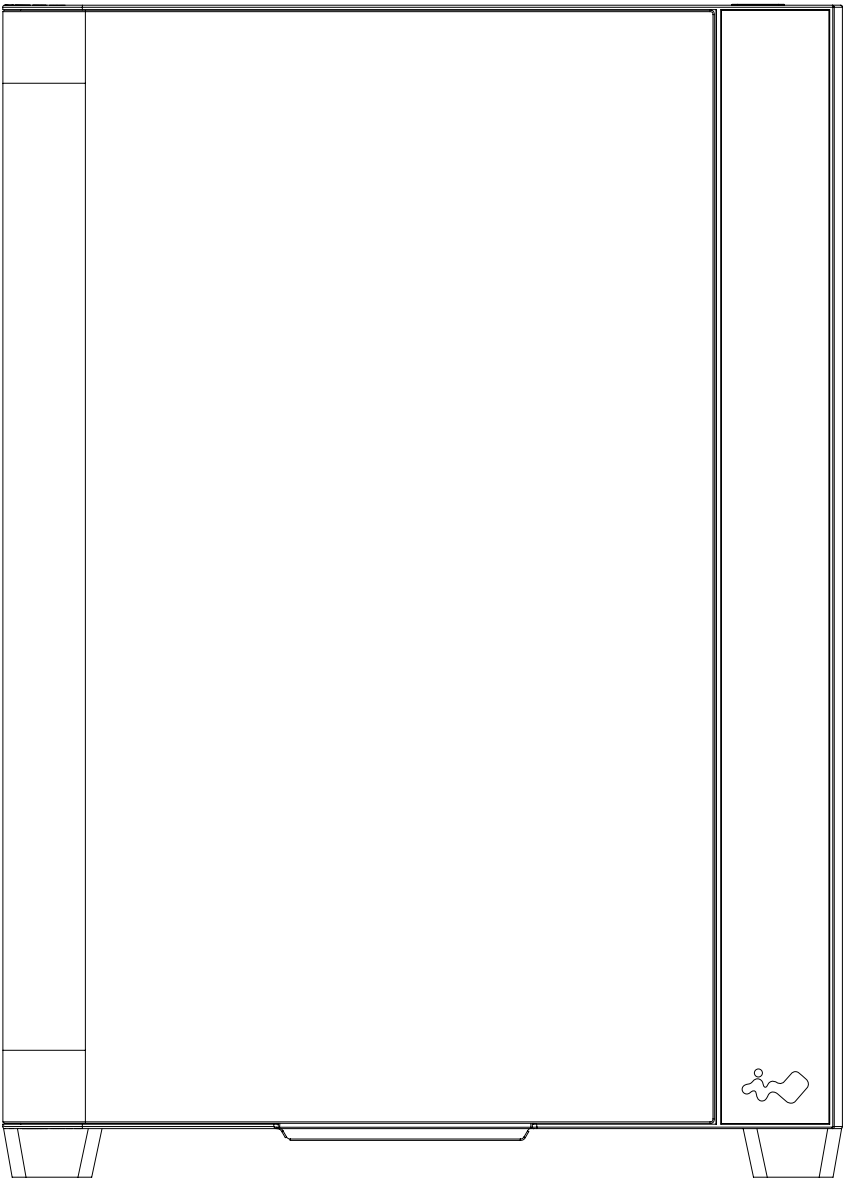


Cable Ties x 5



QR Code Card x 1

CASE STRUCTURE



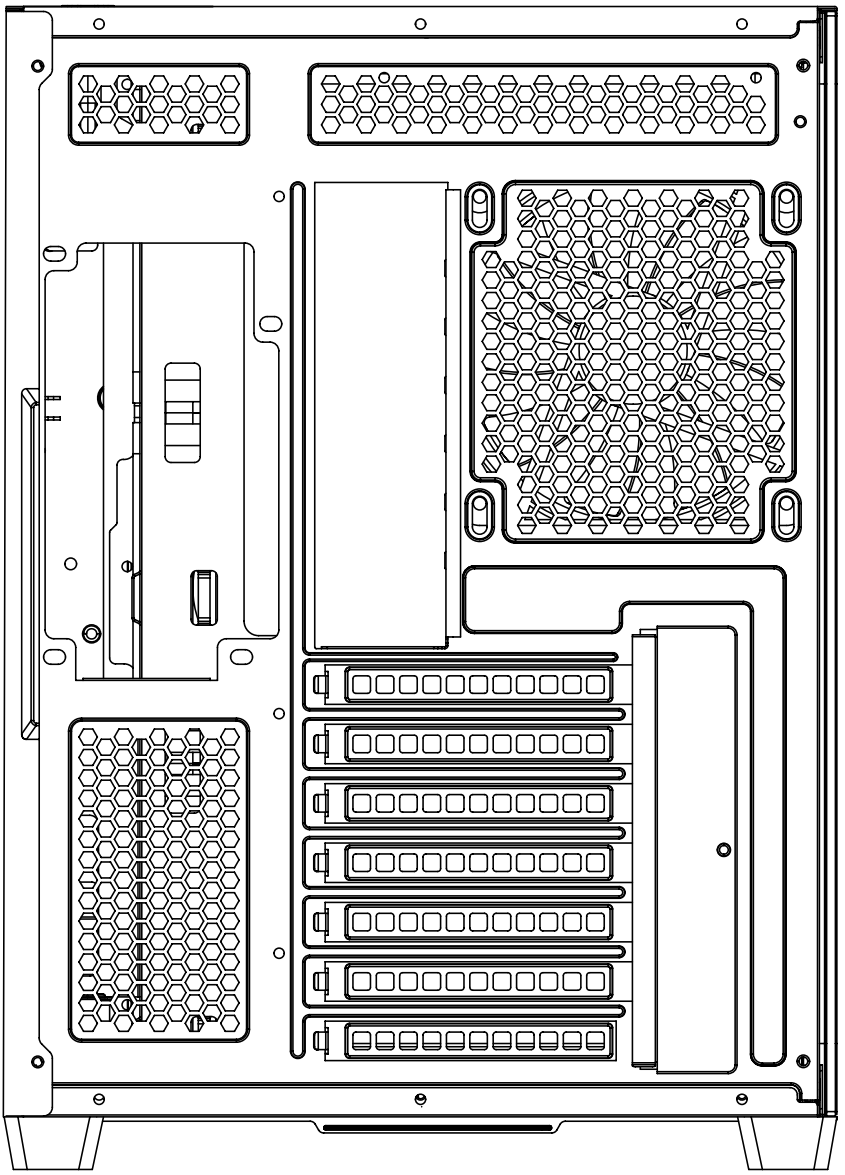
Front



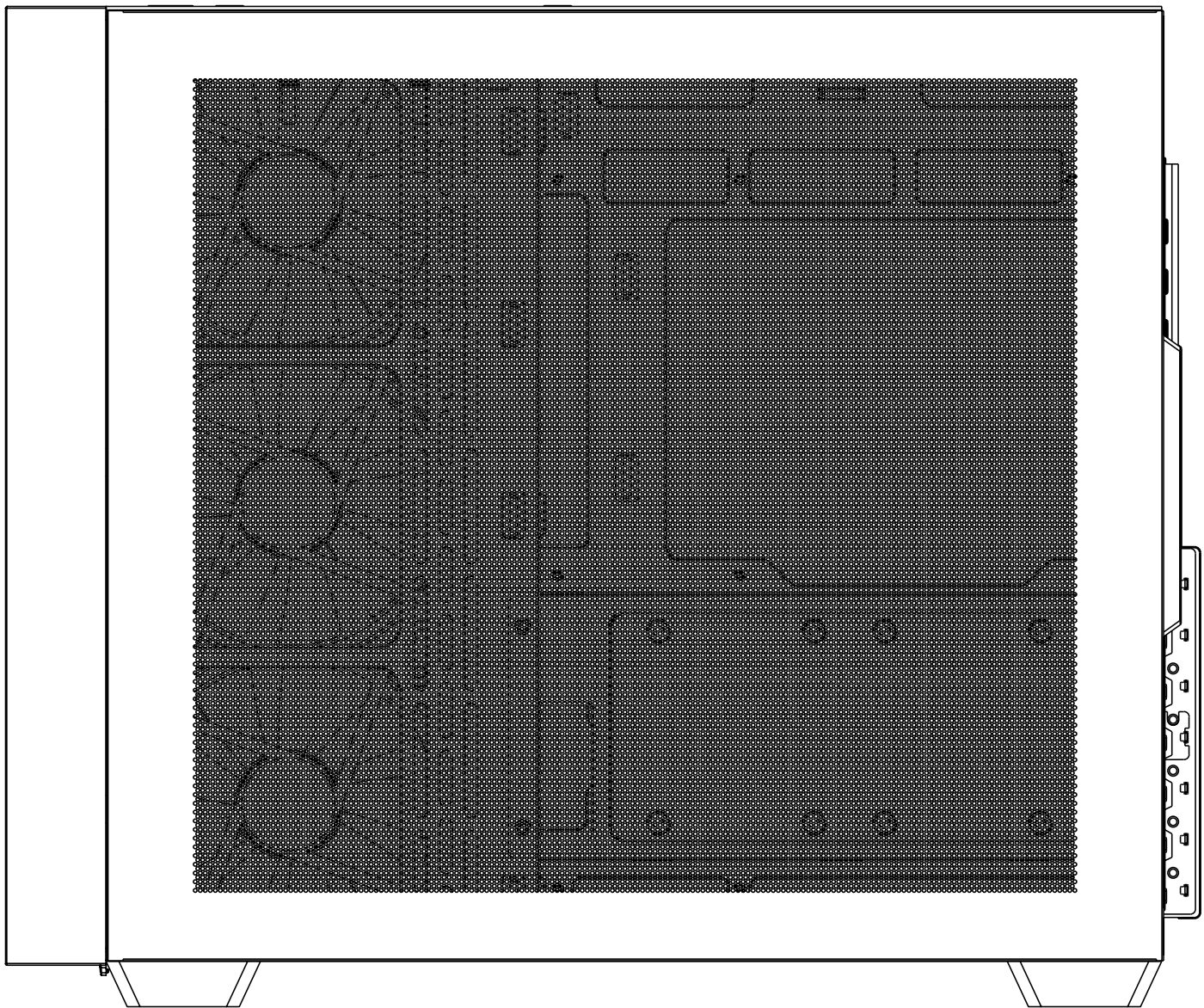
Top



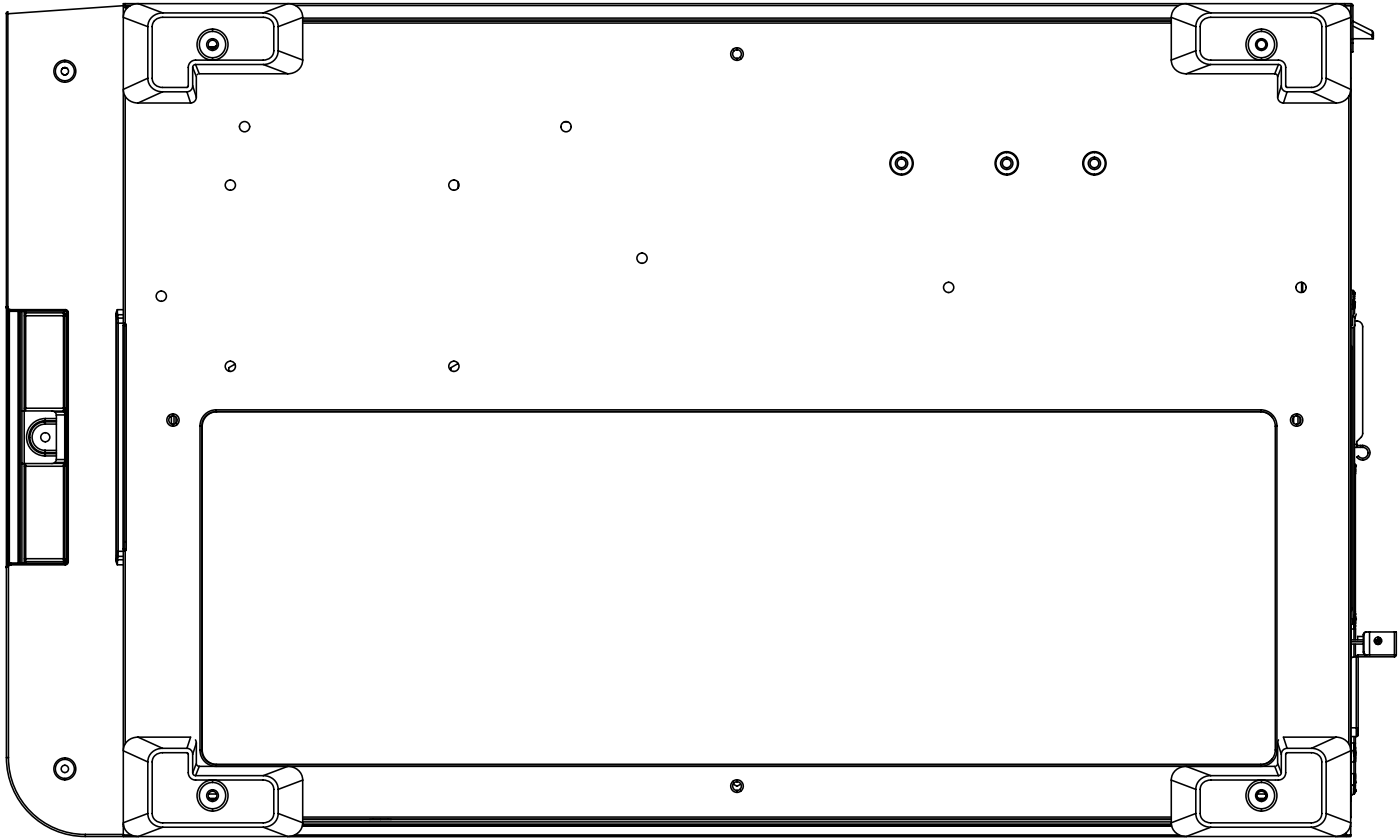
Left



Rear

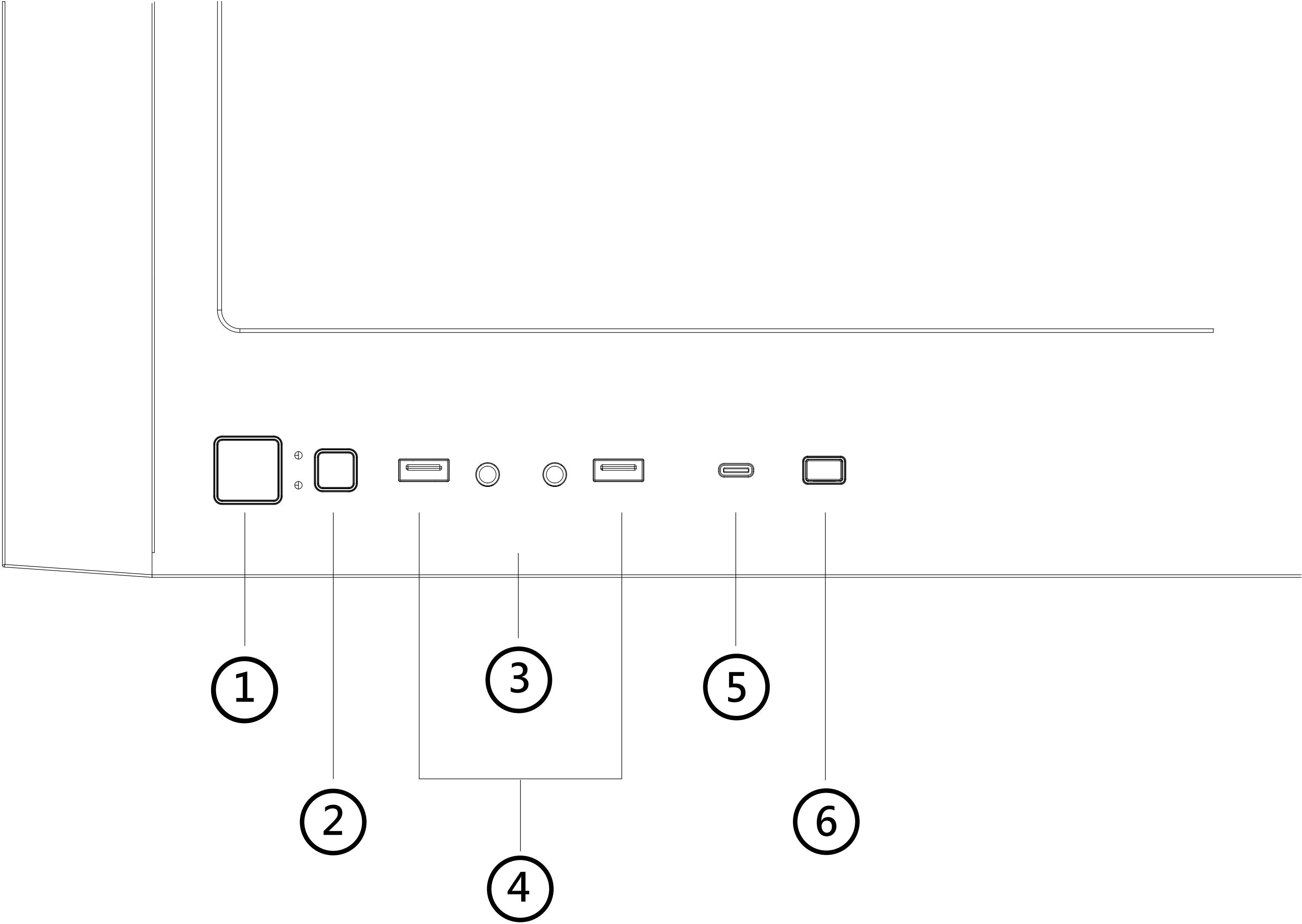


Right



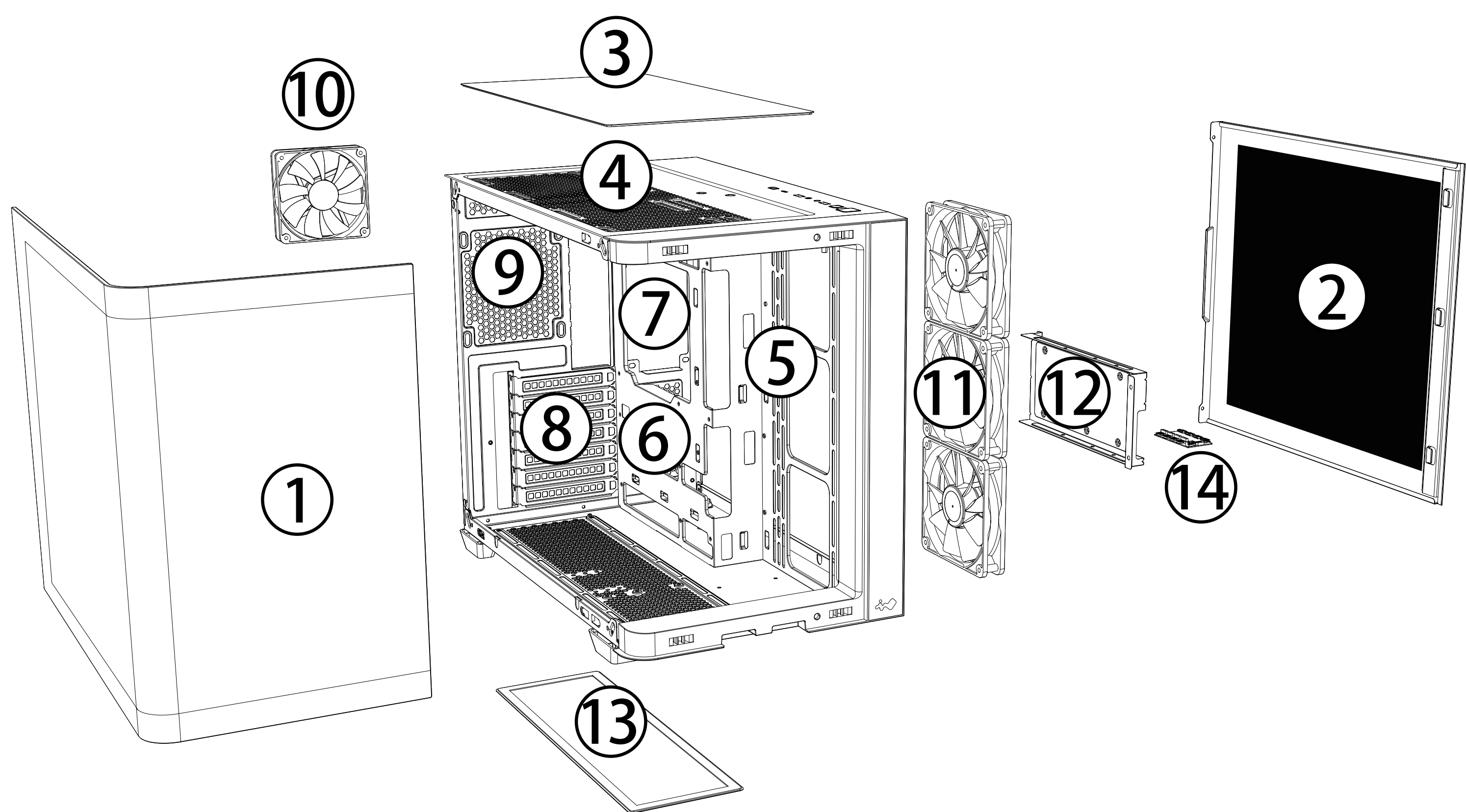
Bottom

CASE STRUCTURE



1	Power Button
2	Reset Button
3	HD Audio
4	USB 3.2 Gen 1
5	USB 3.2 Gen 2 x 2 Type-C
6	LED Lighting Control Switch

CASE STRUCTURE

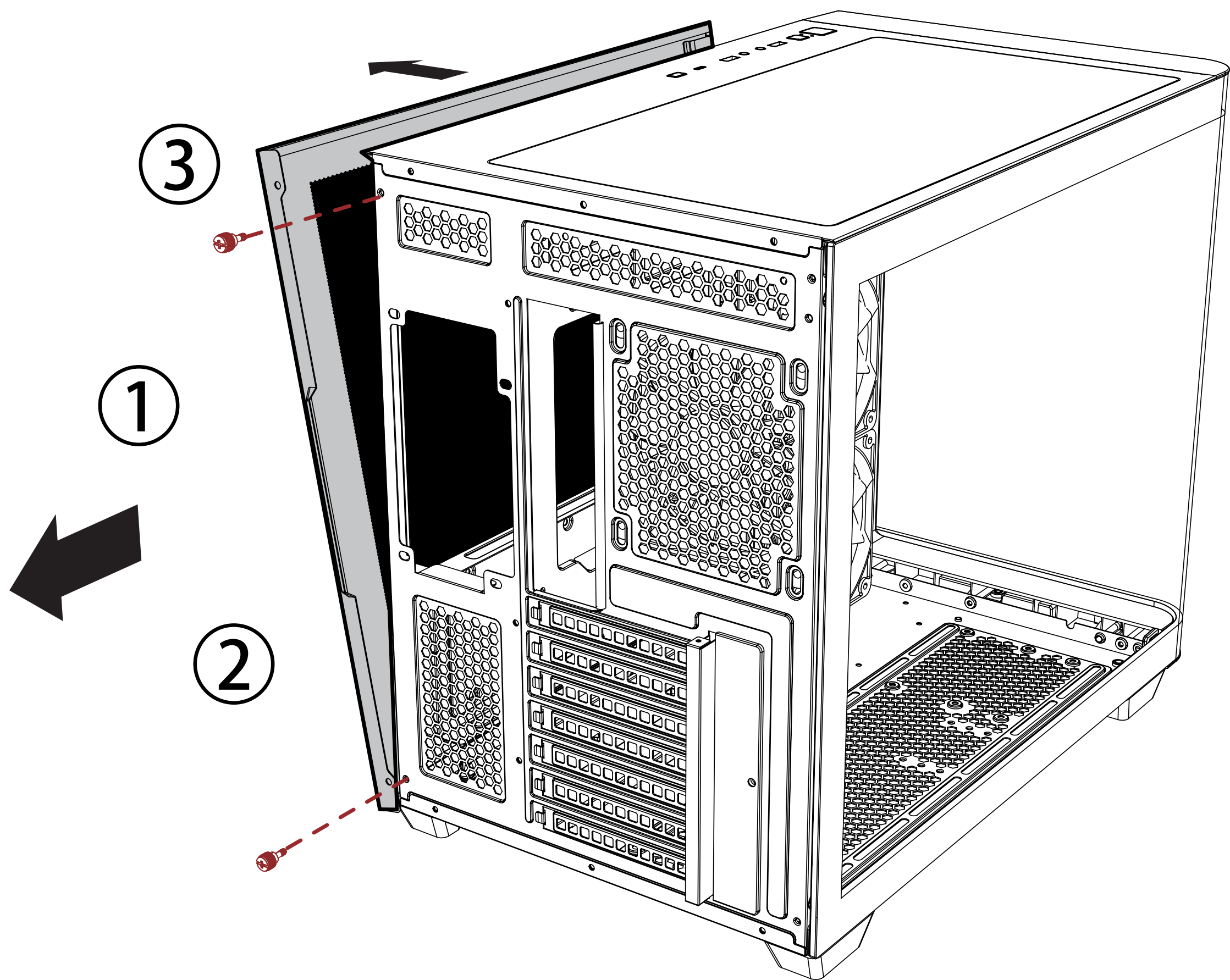


- | | | | |
|---|---|----|---|
| 1 | Curved Tempered Glass Panel | 8 | PCIe Expansion Slots |
| 2 | SPCC Side Panel | 9 | Rear Fans / Radiator Mounting Area
(1 InWin VX120 Fan Pre-Installed) |
| 3 | Top Anti-Dust Filter | 10 | InWin VX120 Fan |
| 4 | Top Fans / Radiator Mounting Area | 11 | InWin VX120-RB Fan |
| 5 | Side Fans / Radiator Mounting Area
(3 InWin VX120-RB Fans Pre-Installed) | 12 | 2.5"/3.5" Drive Bays |
| 6 | Motherboard Mounting Area | 13 | Bottom Anti-Dust Filter |
| 7 | Power Supply Mounting Area | 14 | Fan Hub |

INSTALLATION GUIDE

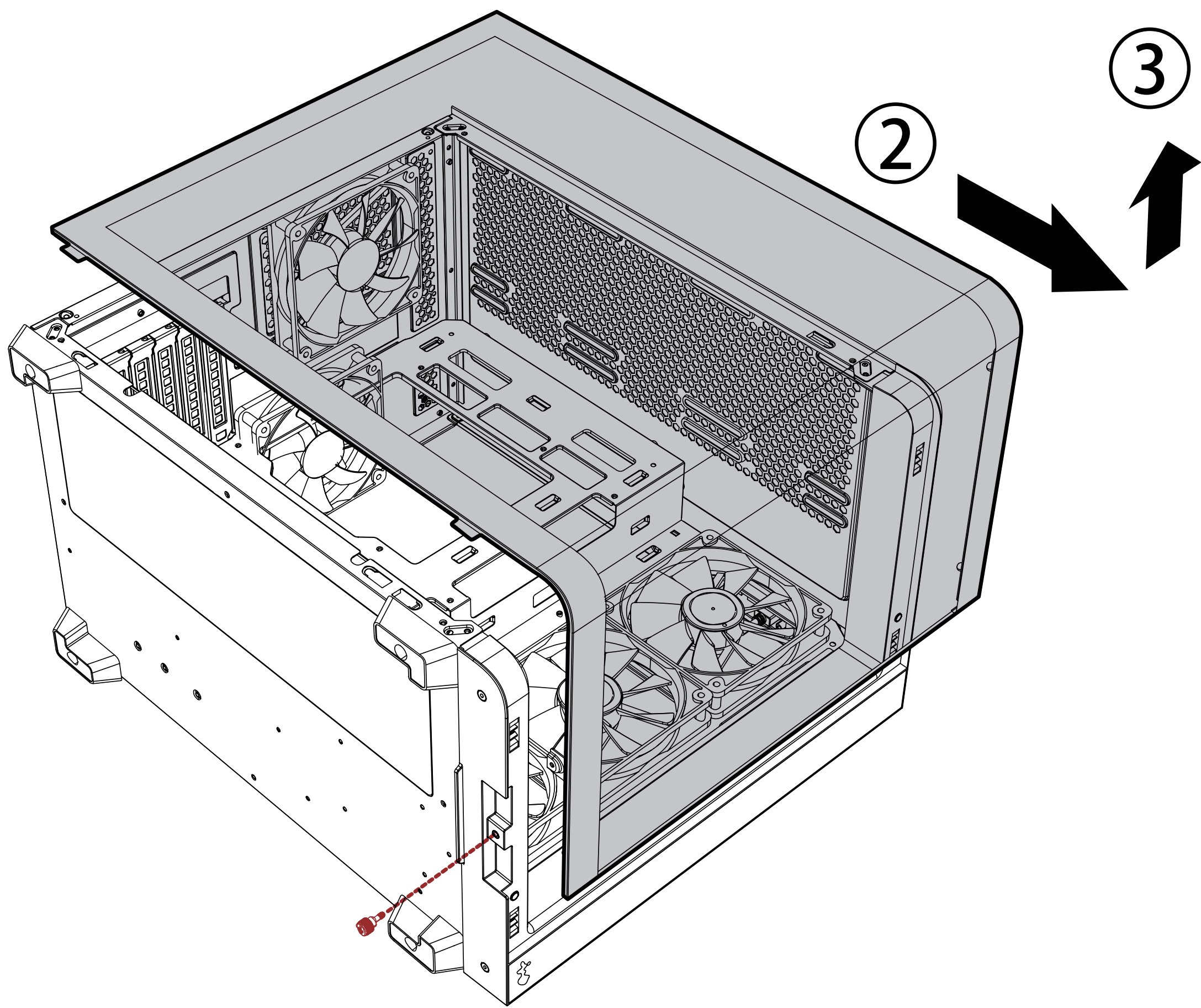
01

Remove Side Panel



02

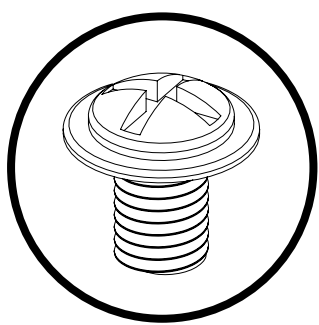
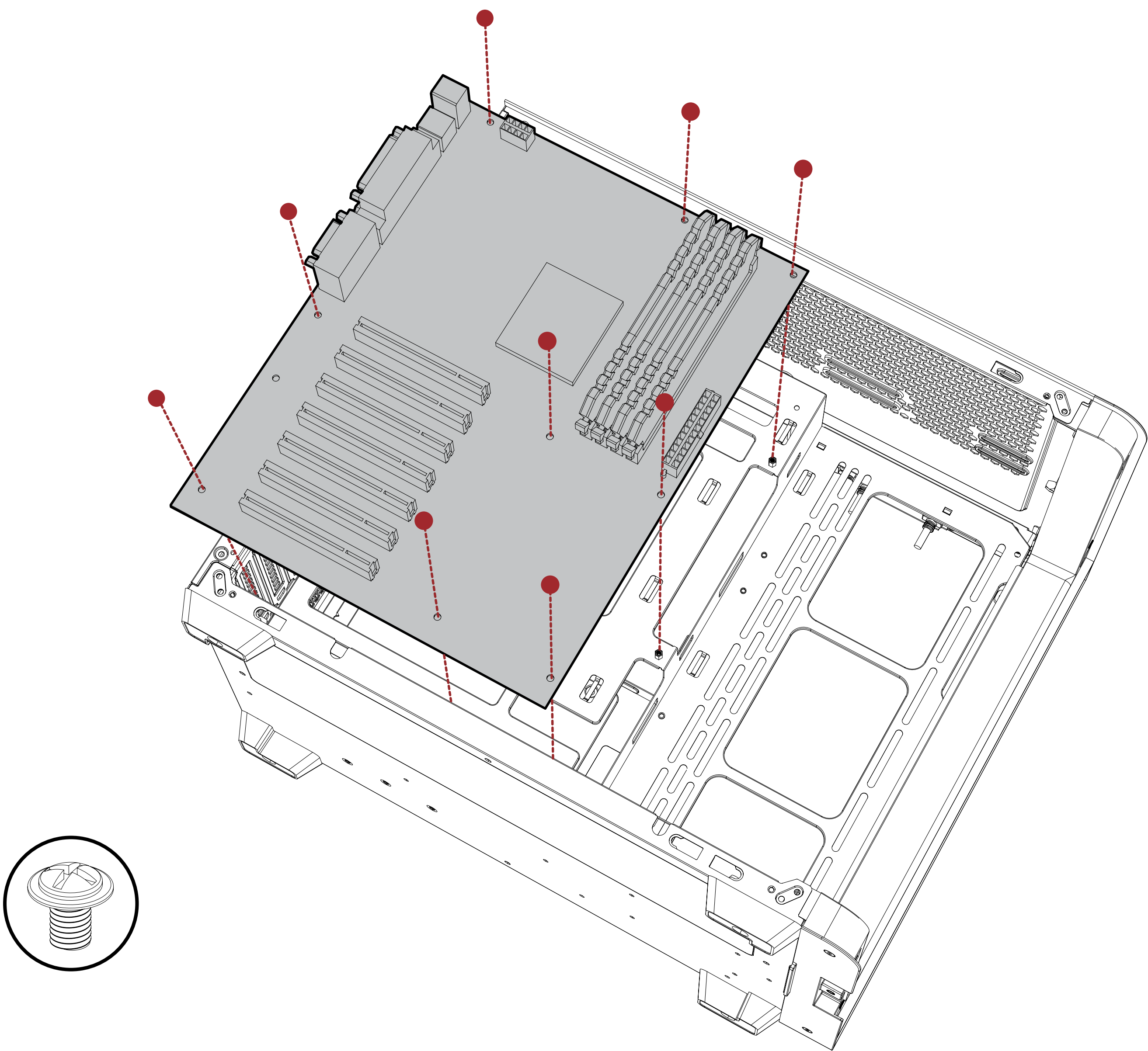
Removed Curved Tempered Glass Panel



INSTALLATION GUIDE

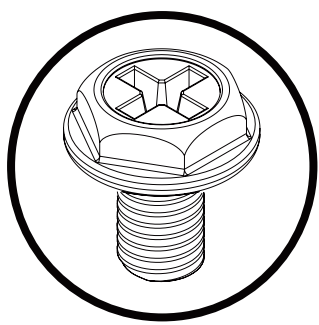
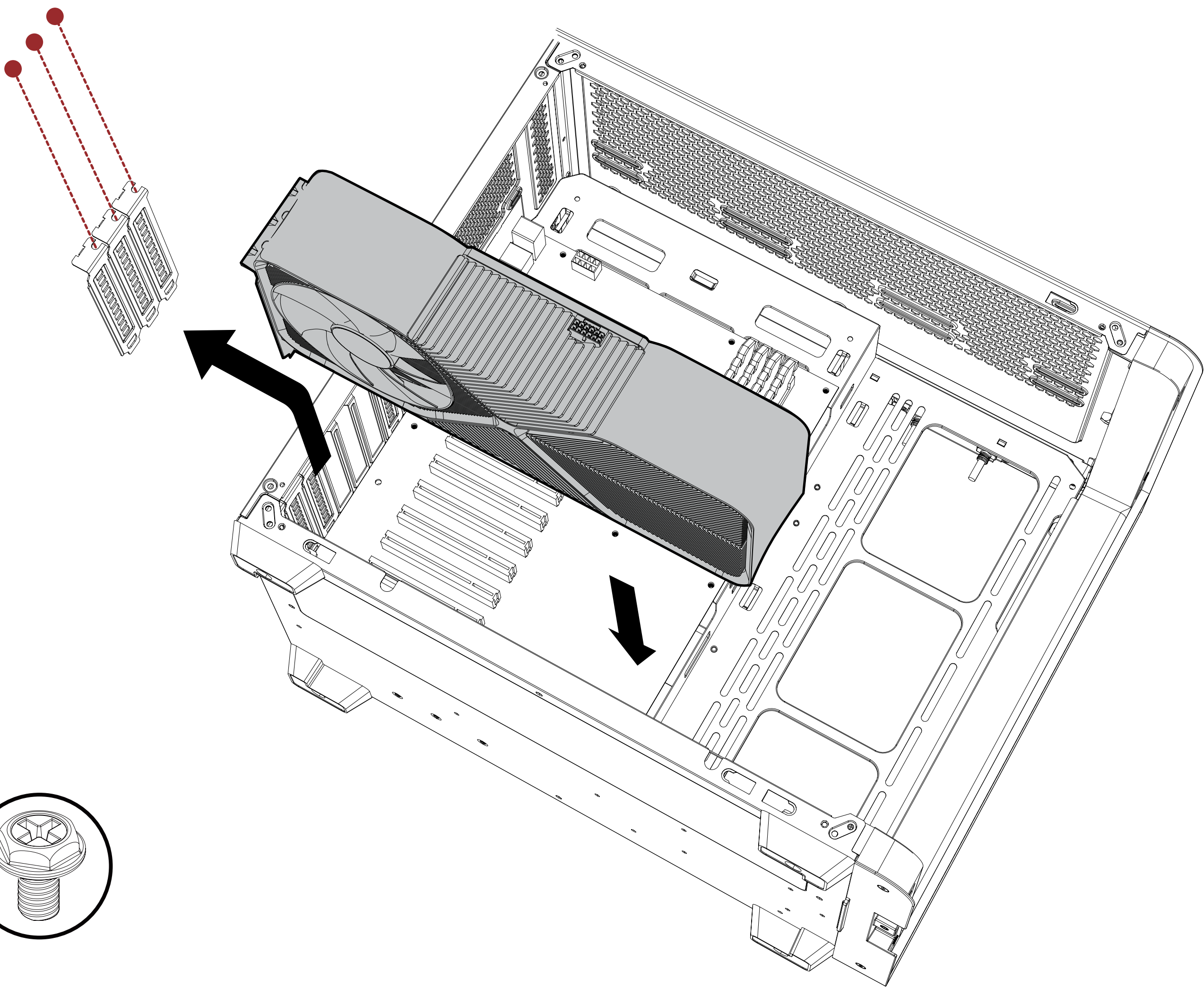
03

Motherboard Installation



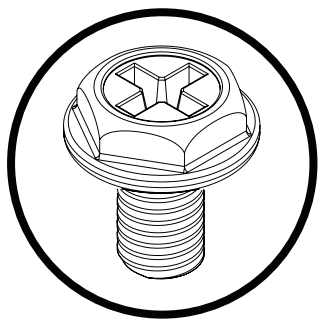
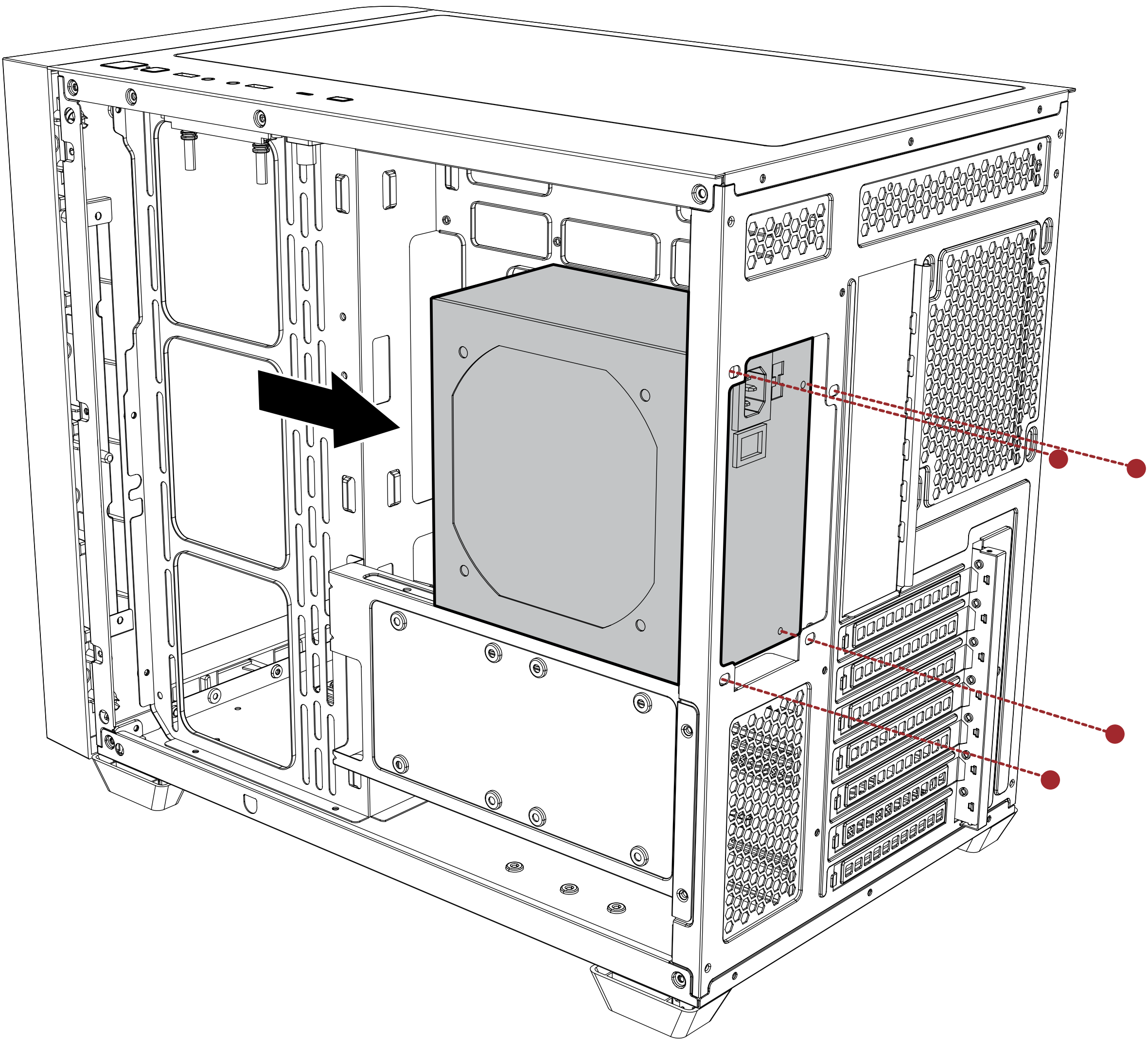
04

Graphics Card Installation



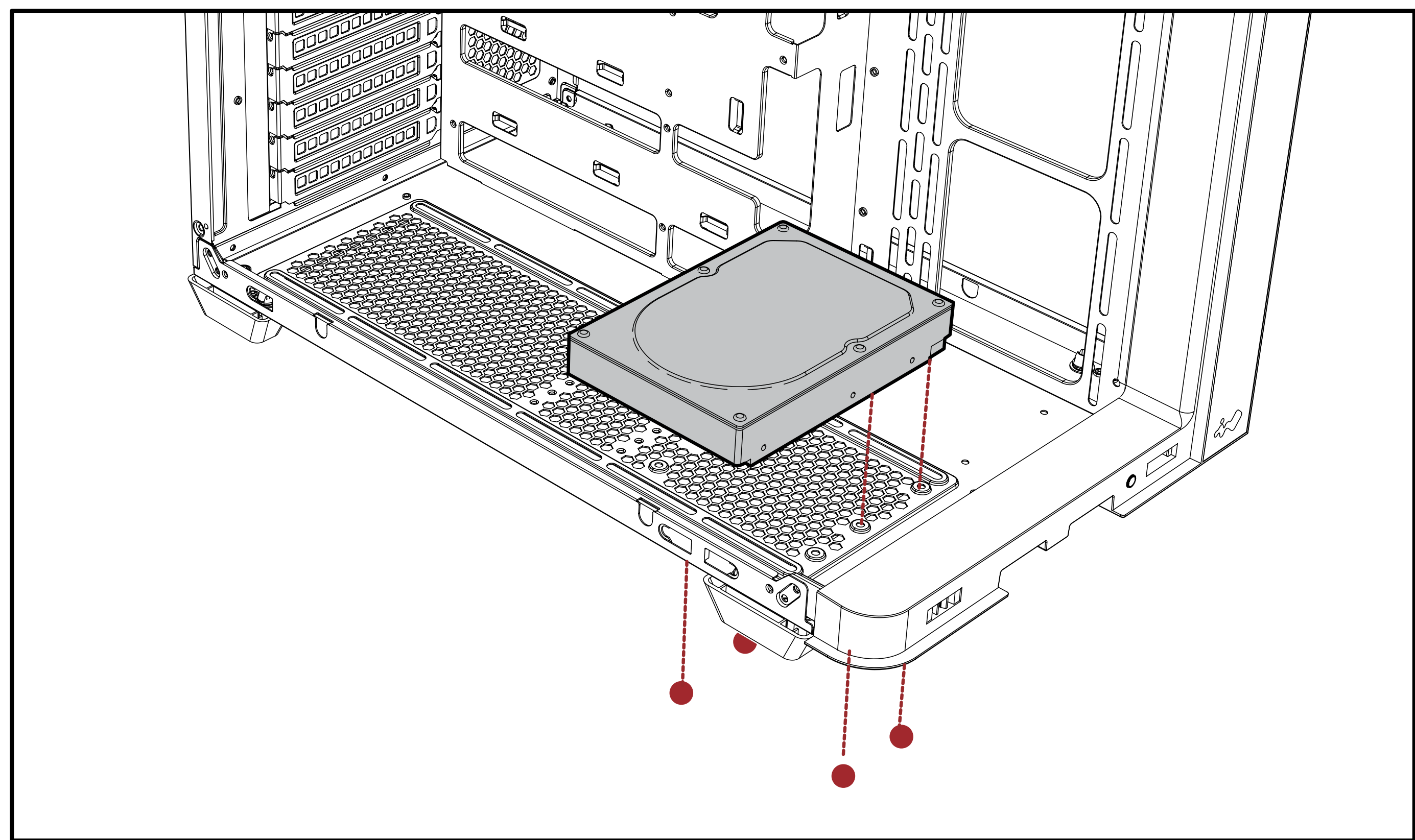
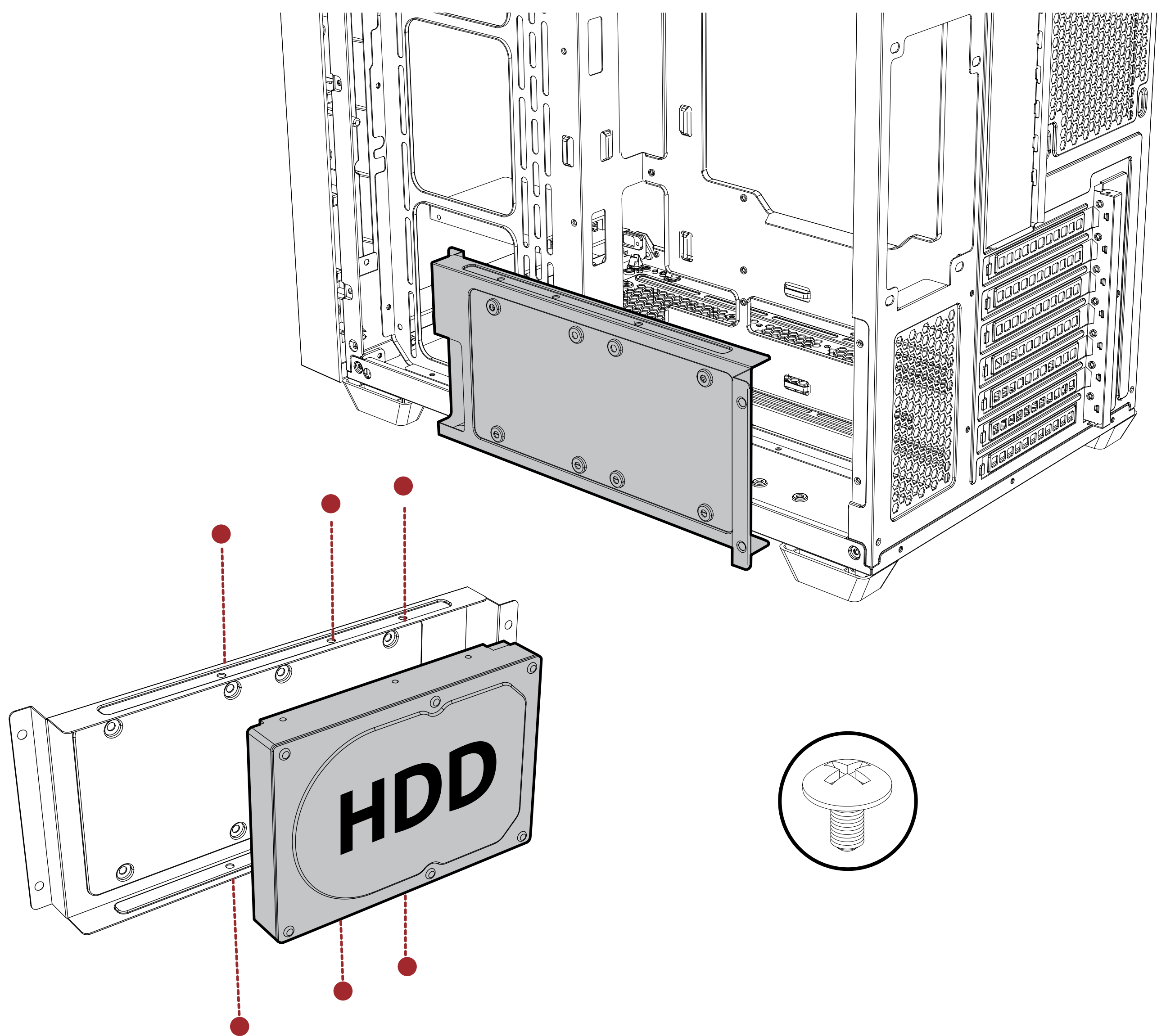
05

Power supply Installation



INSTALLATION GUIDE

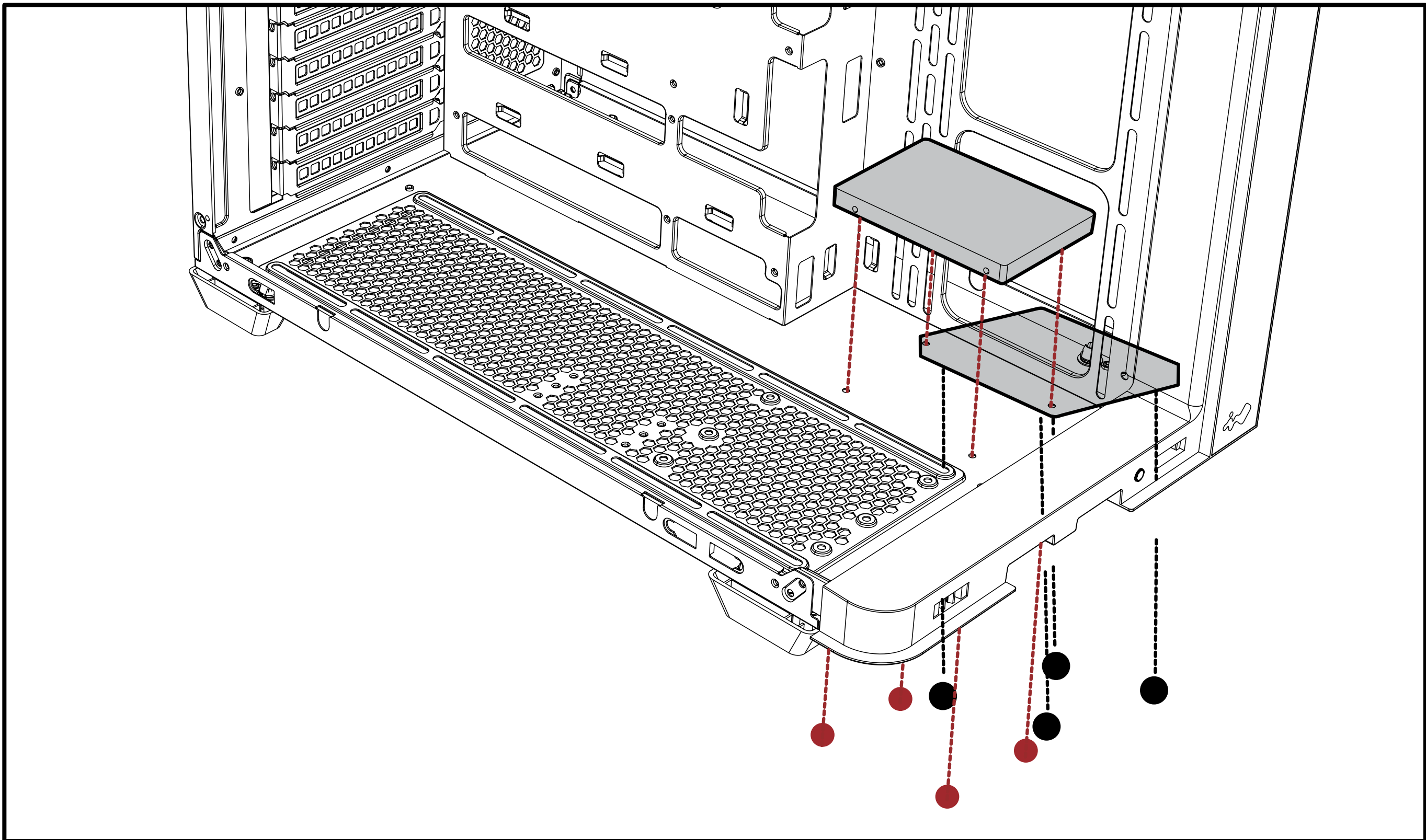
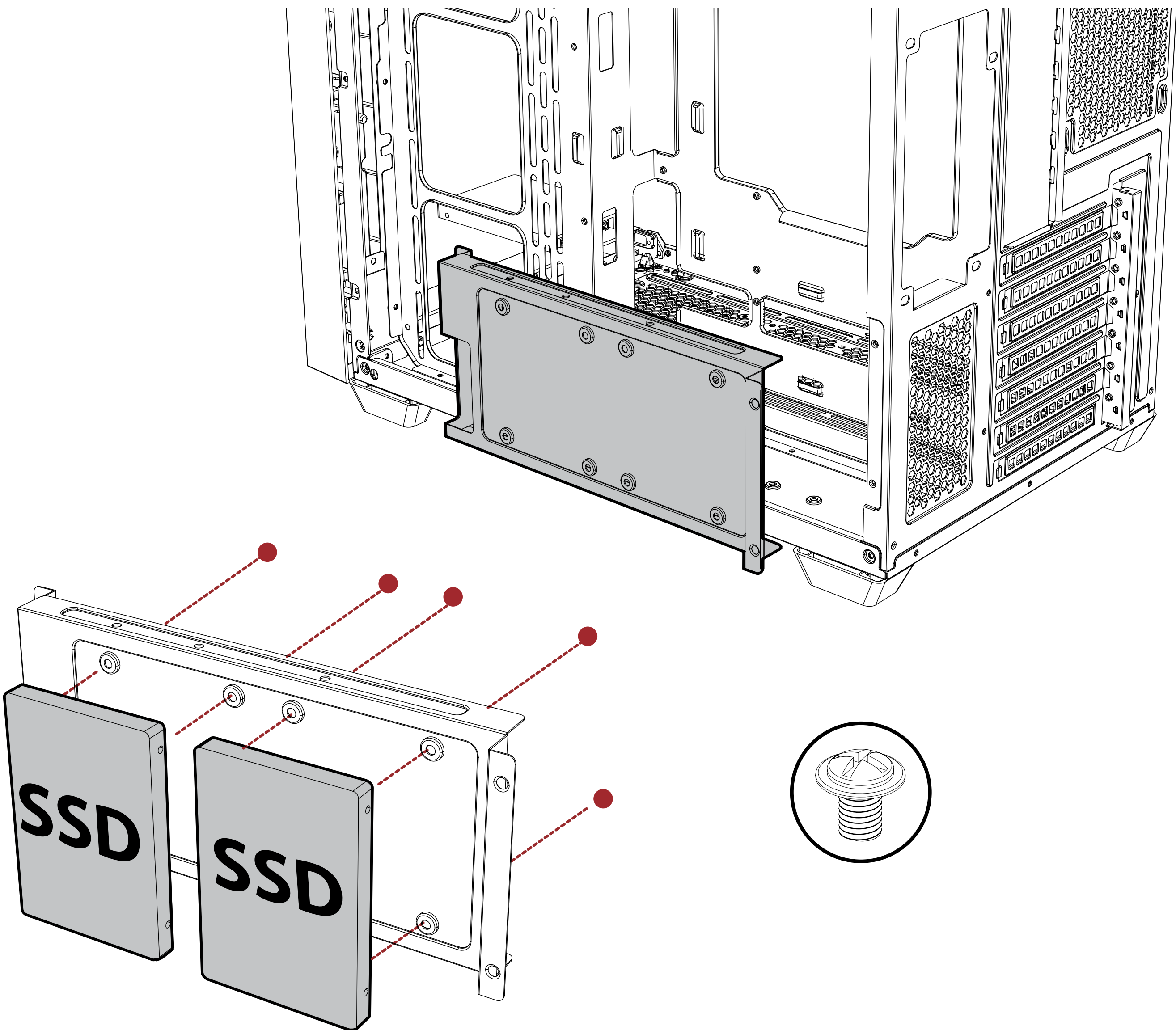
06 3.5" Drive Bays Installation



INSTALLATION GUIDE

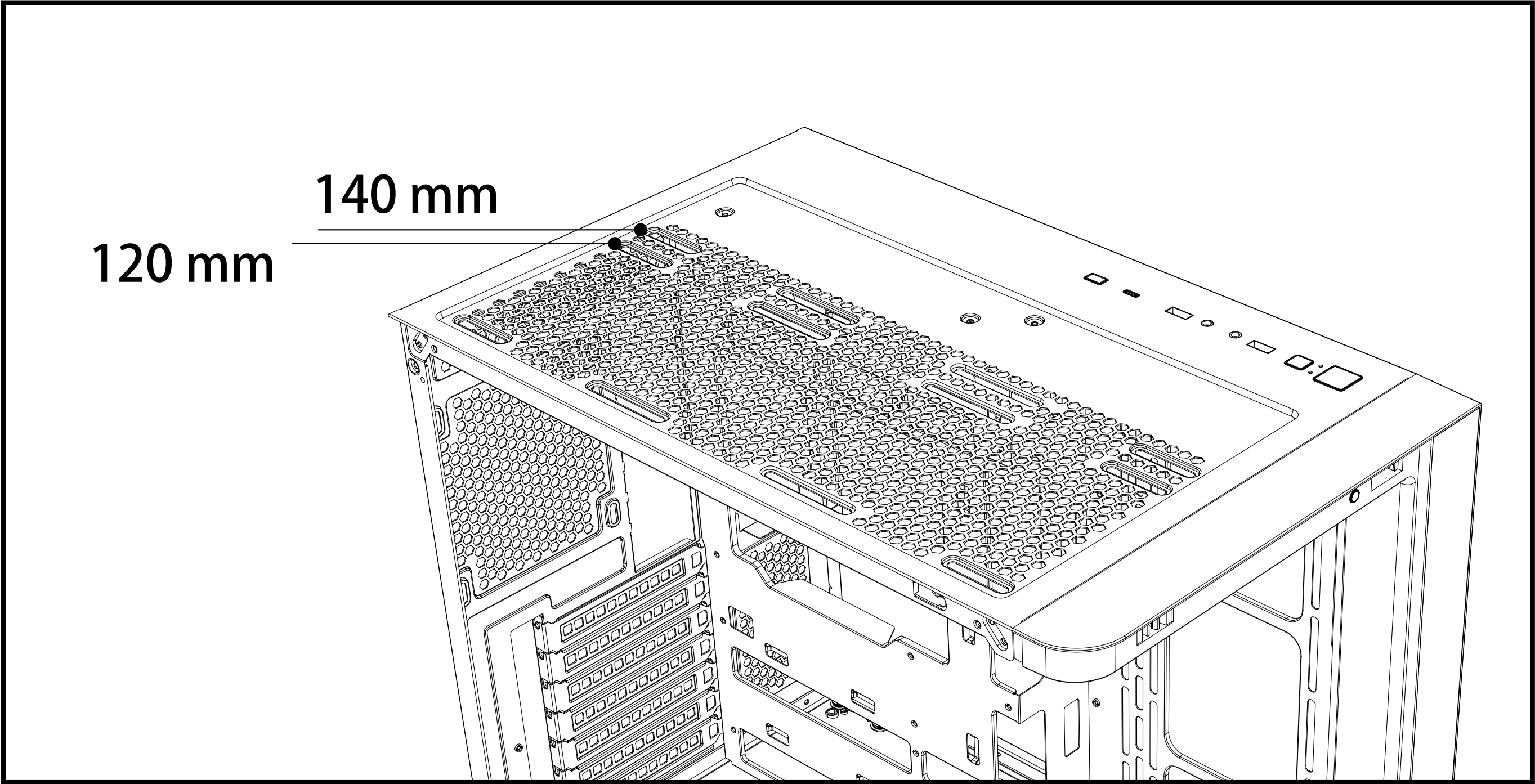
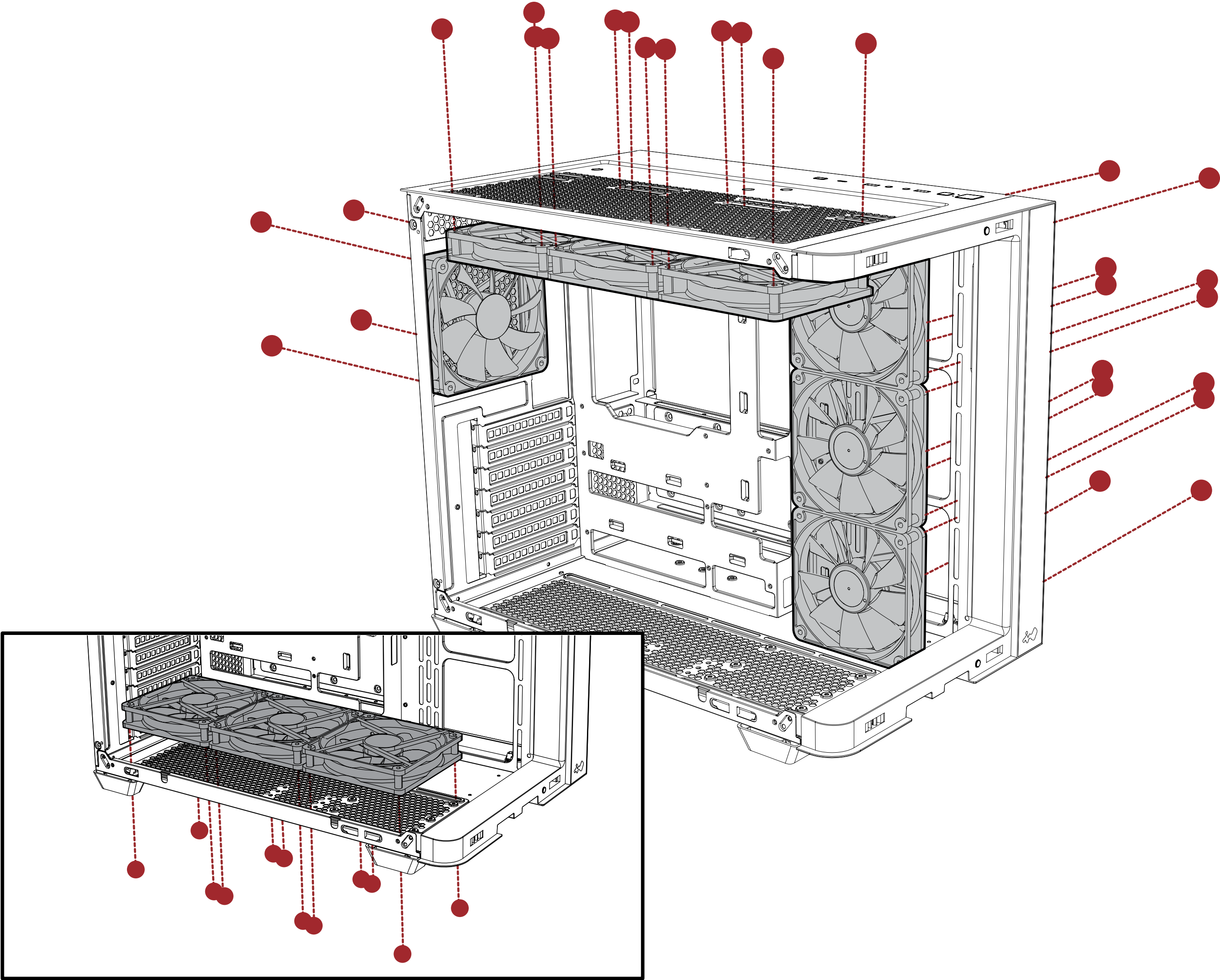
07

2.5" Drive Bays Installation



INSTALLATION GUIDE

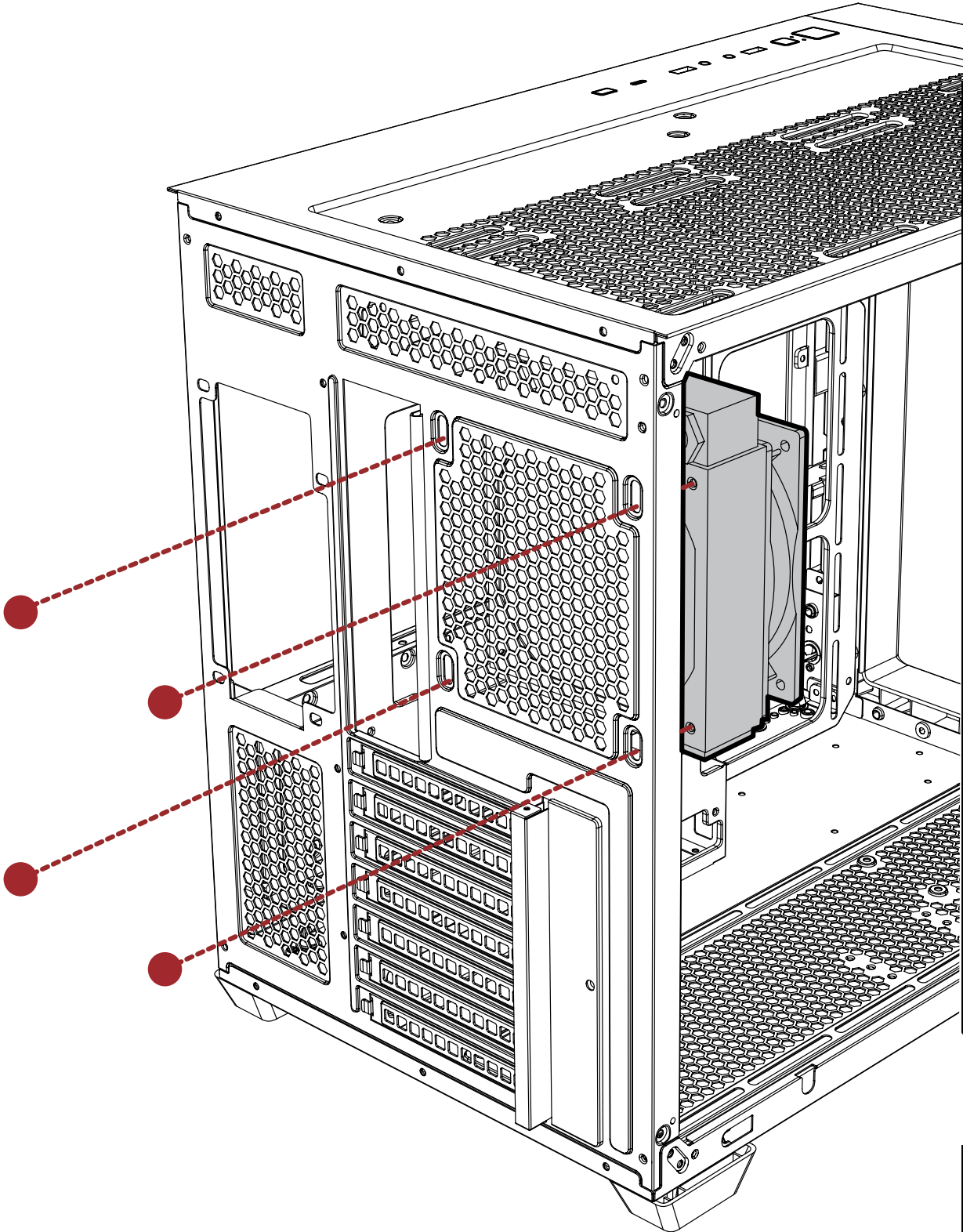
08 Fan Installation



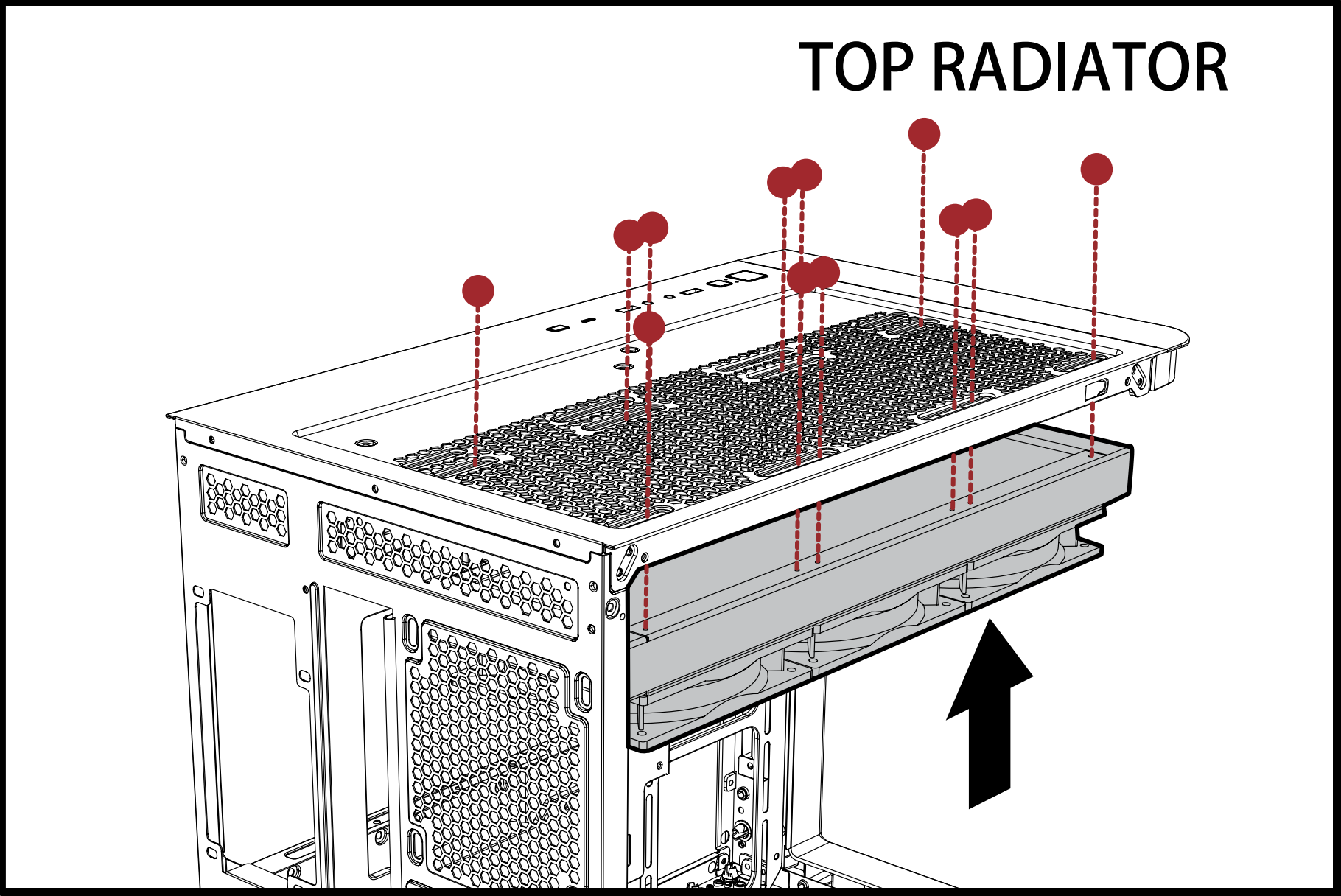
INSTALLATION GUIDE

09

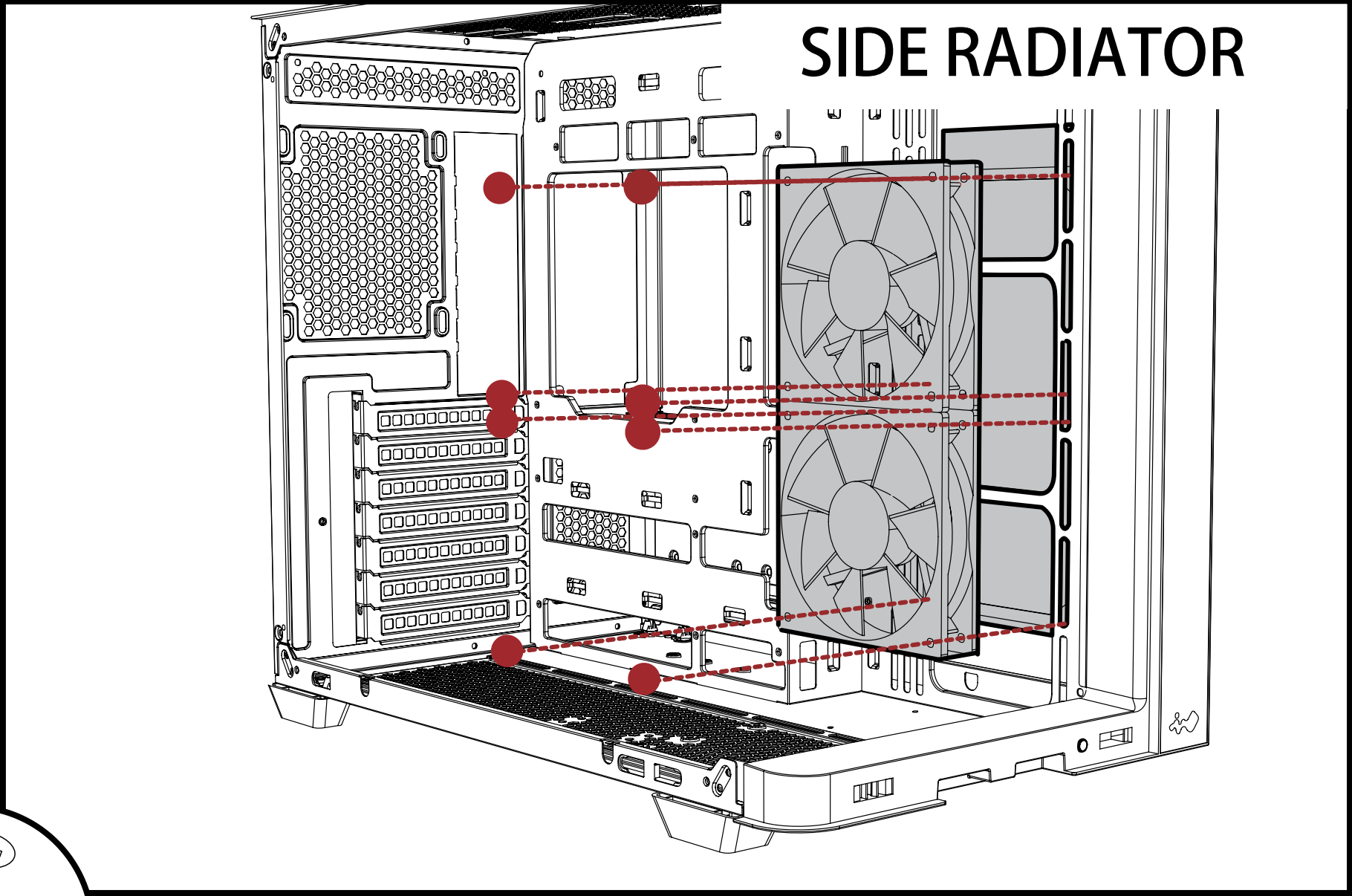
Water Cooling Radiator Installation



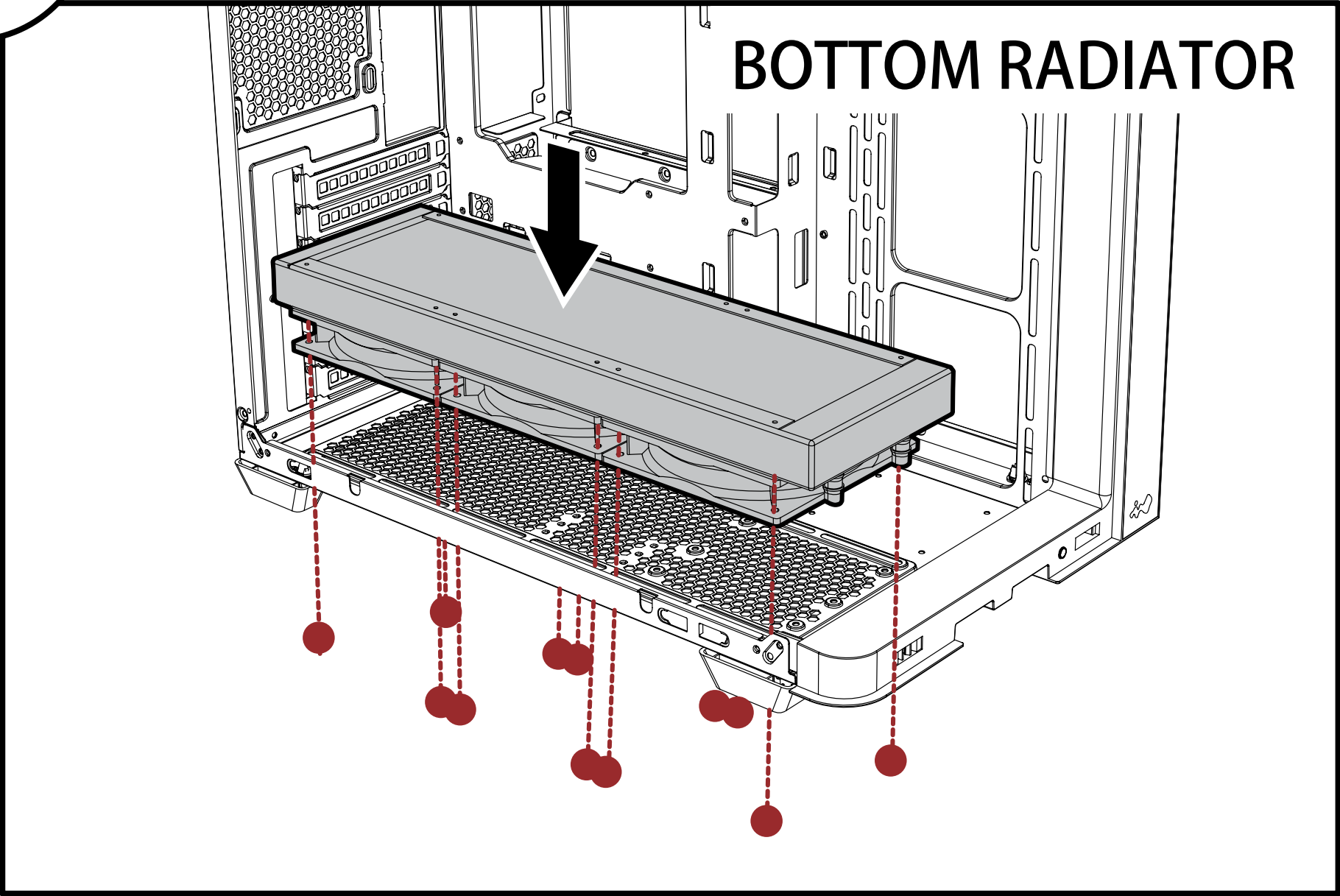
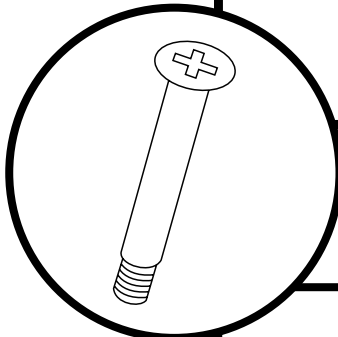
REAR RADIATOR



TOP RADIATOR



SIDE RADIATOR

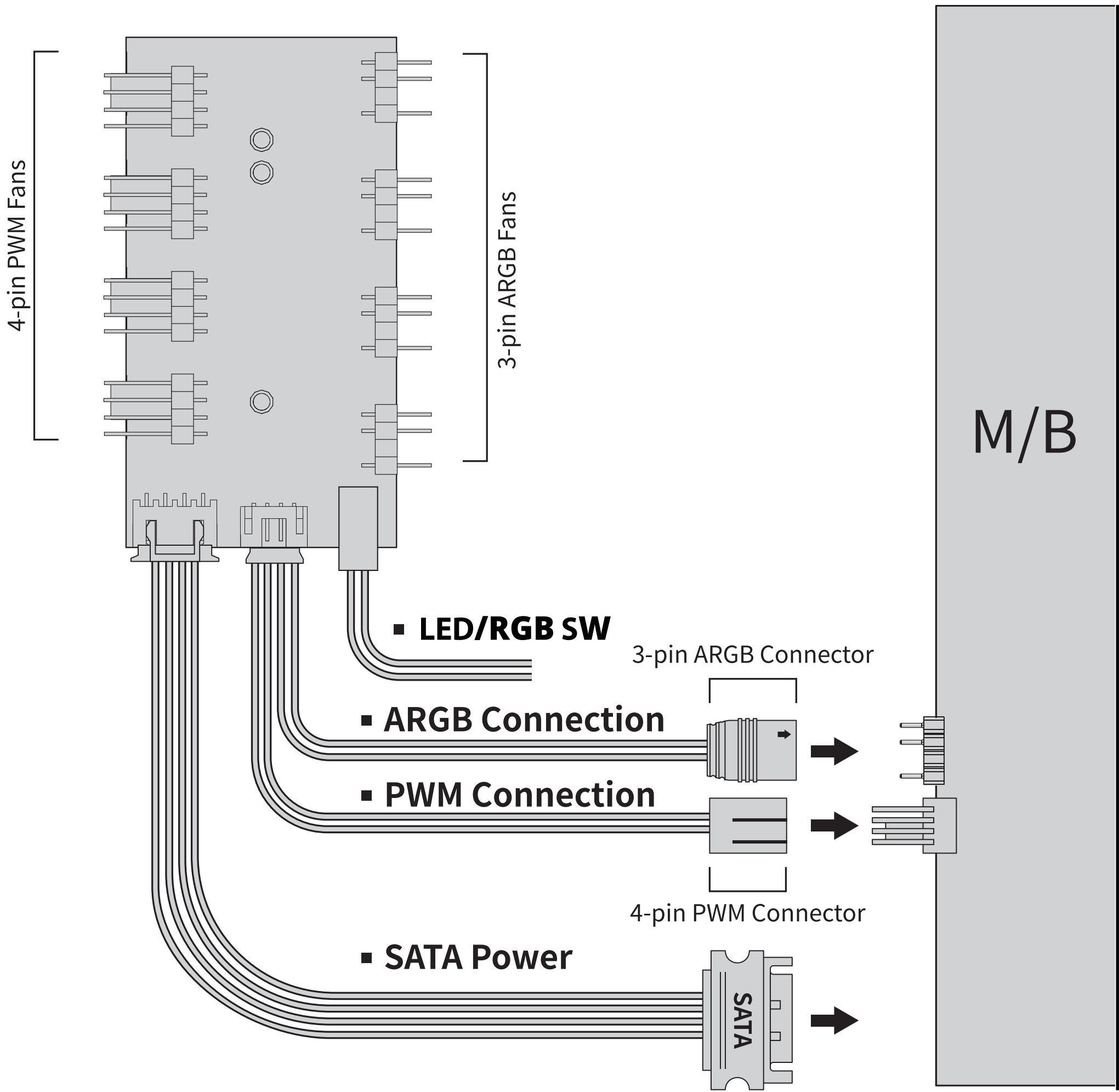


BOTTOM RADIATOR

INSTALLATION GUIDE

10

Fan Hub



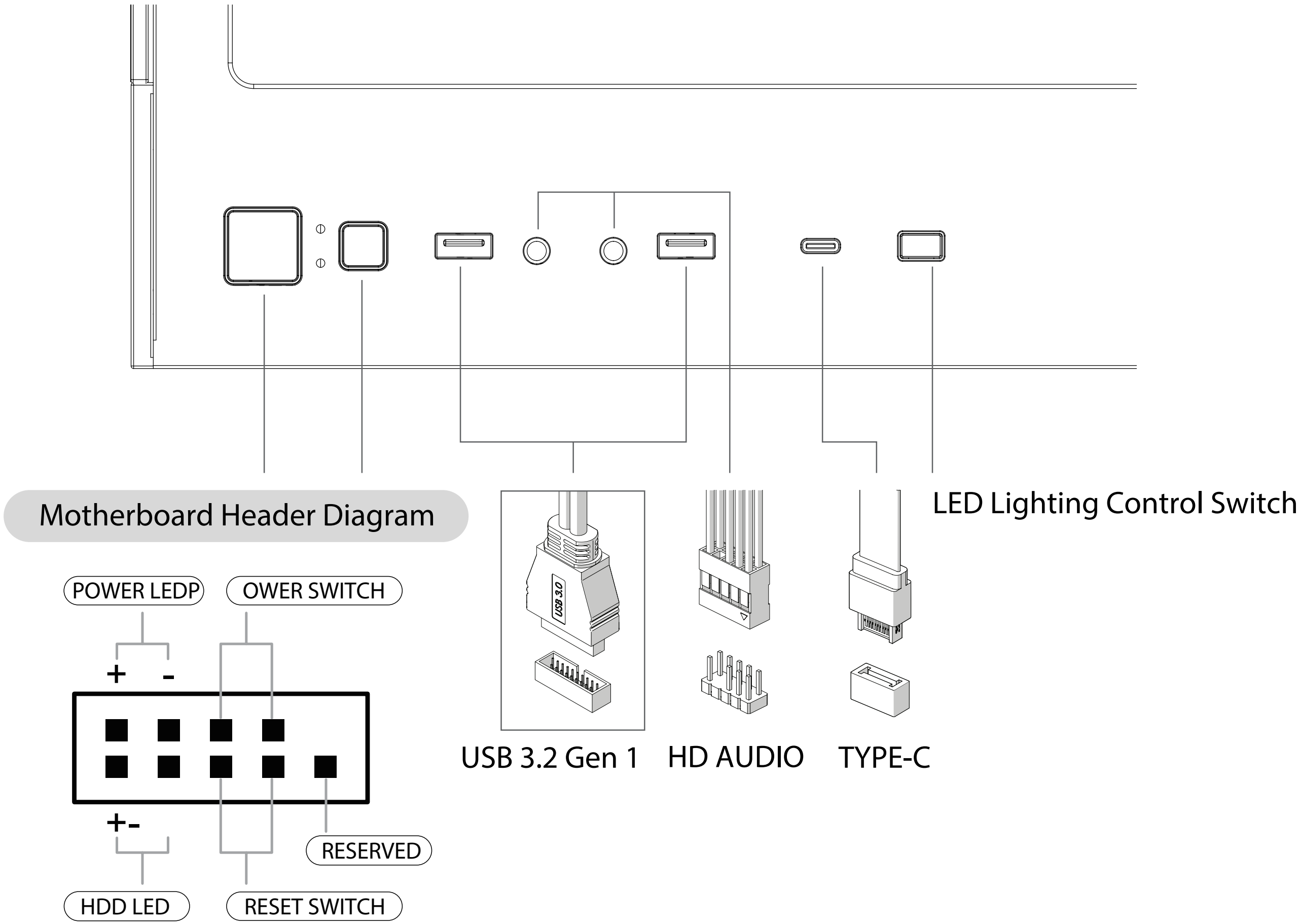
Modes: 18 lighting variations with power-off memory.

Sync: Hold for 3 seconds; white light flashes once for motherboard mode.

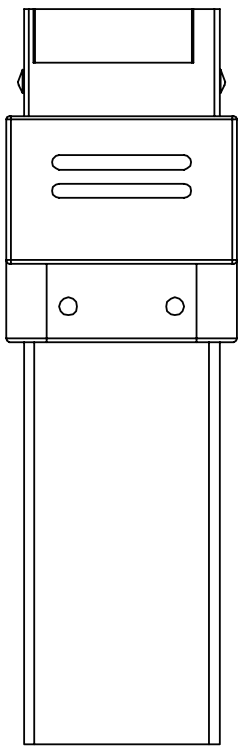
Off: Hold for 6 seconds; white light flashes twice to turn off.

1	Rainbow Tail	10	Full Circle
2	Rainbow Flow	11	LED - Red
3	Rainbow Trail	12	LED - Green
4	Yellow - Red Chase	13	LED - Blue
5	Rainbow Counter - Clockwise	14	LED - Purple
6	Rainbow Clockwise	15	LED - Yellow
7	Red Trail	16	LED - Cyan
8	Yellow Trail	17	LED - White
9	Red / Green Trail	18	Off

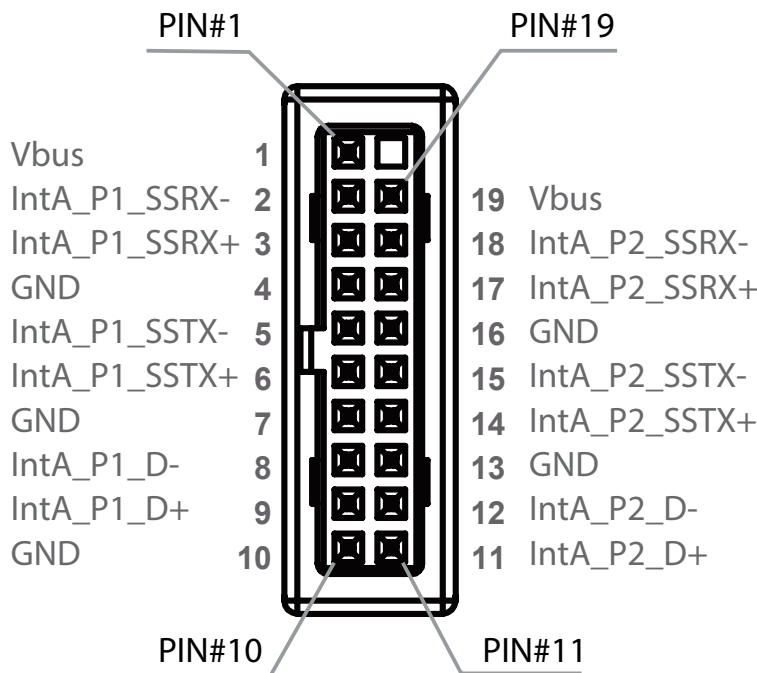
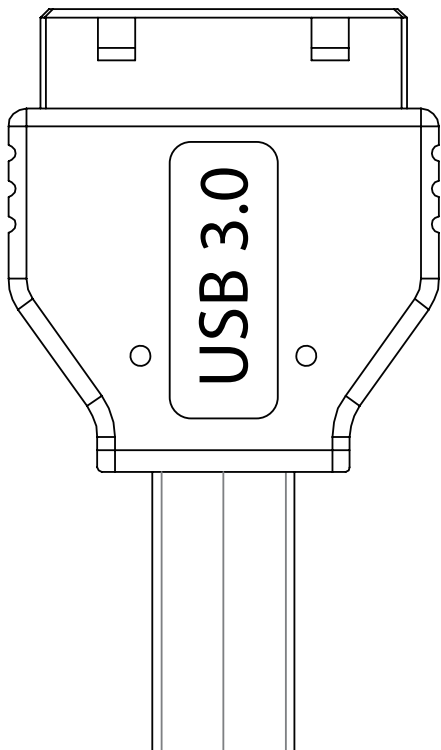
INSTALLATION GUIDE



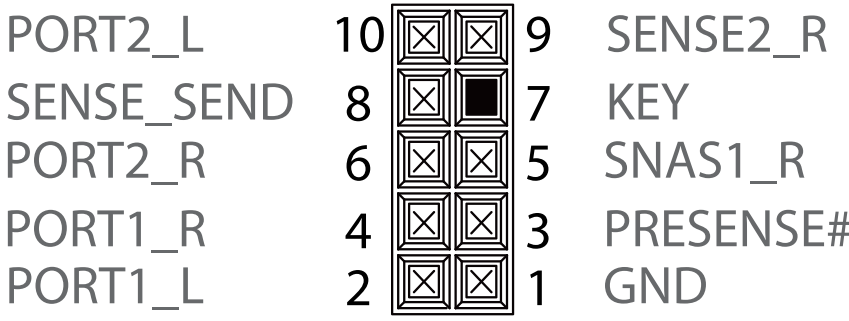
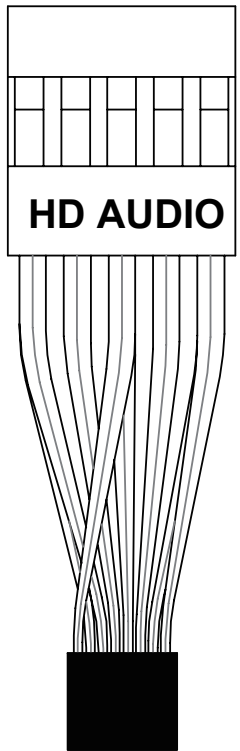
USB 3.2 Gen 2x2 Type-C



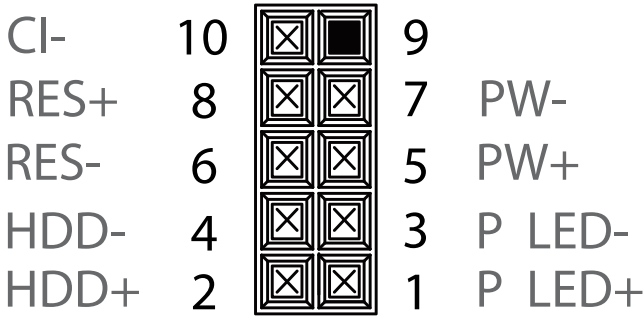
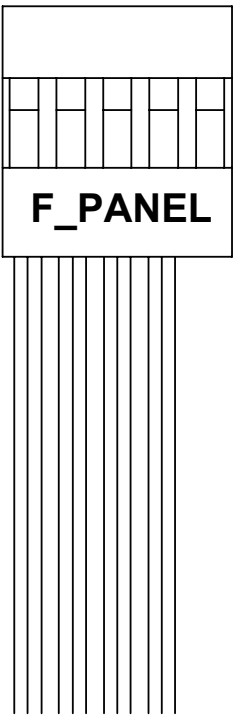
USB 3.2 Gen 1



HD Audio Header



I/O Wire



NOTICES AND WARRANTY

Notices

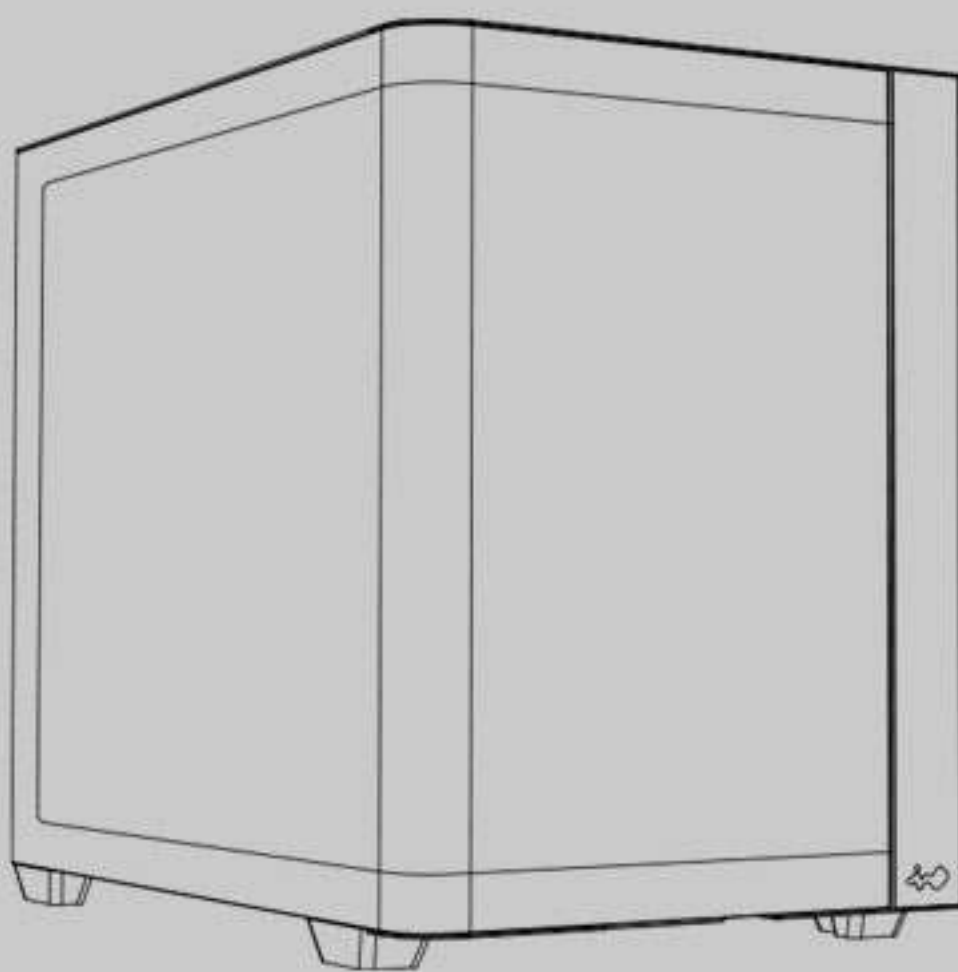
1. Please follow the user manual for installation guidelines.
2. When installing the computer components, please use antistatic precautions to prevent ESD (electrostatic discharge) damage. Failure to take the necessary precautions may result in injury to the installer and/or damage to the machine. Incorrect 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 In Win 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***



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NEW HORIZONS