SUGER



CX3150a

15" DEEP 3U CHASSIS

ENGLISH

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VERSION 1.0

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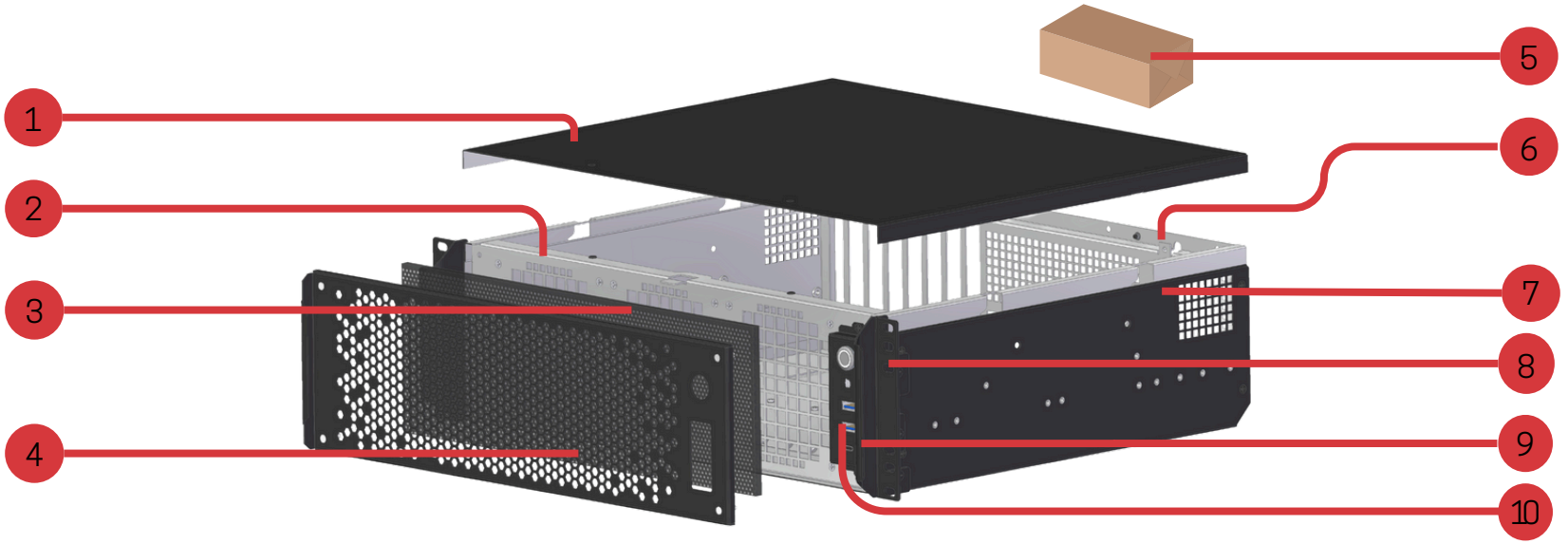
1.1 EXPLODED VIEW

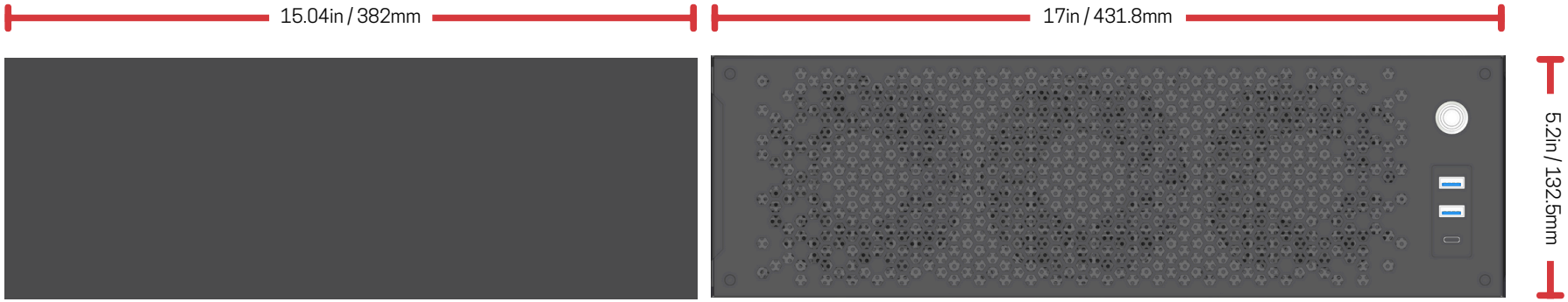


NO.	PART NAME
1	Chassis Lid
2	Subfront
3	Filter Foam
4	Faceplate
5	Hardware Kit

NO.	PART NAME
6	Motherboard Tray
7	Chassis Wrap
8	Rack Ear
9	Pull Handle
10	Front IO Assembly

1.2 DIMENSIONS AND SPECIFICATIONS

CX3150a



Side

Front

MOTHERBOARD SUPPORT

SSI-CEB, EATX, ATX, MicroATX, MiniITX

STORAGE SUPPORT

Mounting locations for: 1x 2.5" SSD

CPU COOLER SUPPORT

Air Coolers up to 110mm Tall

1x 360mm or 1x 240mm or 2x 120mm Liquid Coolers

FAN SUPPORT

Front: 3x 120mm up to 38mm thick

Rear: Optional PCIe fan adapters

FRONT BAYS

none

PSU SUPPORT

SFX or SFX-L form factor

GPU / PCIe CARD SUPPORT

8x Full Height Slots

Maximum card height: 115mm - including power connectors

Maximum card length with three(3) Noctua A12x25 fans: 324mm

Maximum card length with 360mm AIO and three(3) Noctua A12x25 fans: 296mm

Maximum card length with 360mm AIO and six(6) Noctua A12x25 fans: 270mm

Maximum card length with no fans / no AIO cooler: 349mm

FRONT PANEL IO

1x USB 3.2 Type C 10Gbps, 2x USB 3.0 Type A

1x 16mm momentary power button with status light

1.3 HARDWARE KIT

CX3150a

⚠ We recommend tightening all fasteners by hand to minimize damage to the chassis and fastener. ⚠

A. HEX SCREW 6-32 x 0.25" 45x

Motherboard, PSU, HDDs, PCIe Accessories



B. SCREW M3.5 x 5mm 10x

2.5" SSDs, some 3.5" accessories



C. STANDOFF 6-32 x 0.125", 0.25" LENGTH 20x

Must be installed into Motherboard tray



D. SCREW M3 x 6mm 16x

2.5" SSDs, some 3.5" accessories



E. HEX SCREW 6-32 x 0.187" 10x

Motherboard Tray, Subfront, internal brackets, FPIO bracket



F. SCREW M4 x 7mm 7x

Rack Ears and Pull Handles



G. SLOT COVERS 8x

Covers unused PCIe Slots



H. RACK EARS 1x pair

Secures Chassis to Rack



I. PULL HANDLES 1x pair

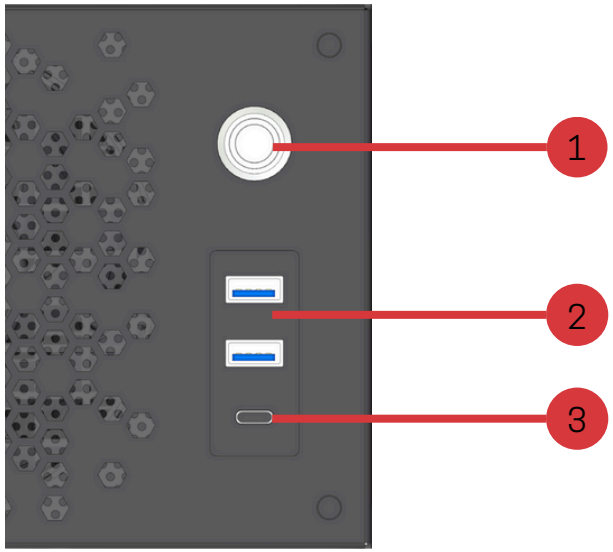
Makes pulling Chassis out from rack easier

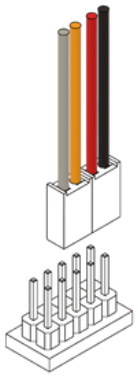


J. Crumpled Brown Paper

Used to fill the void in the box

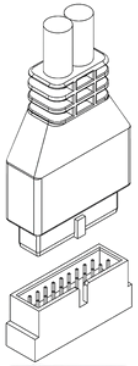
2.1 CONNECTORS AND PORTS





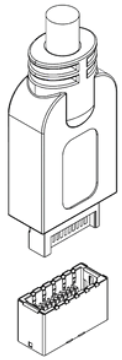
Power Switch

1



USB 3.2 GEN 1 Type A

2



USB 3.2 Type C

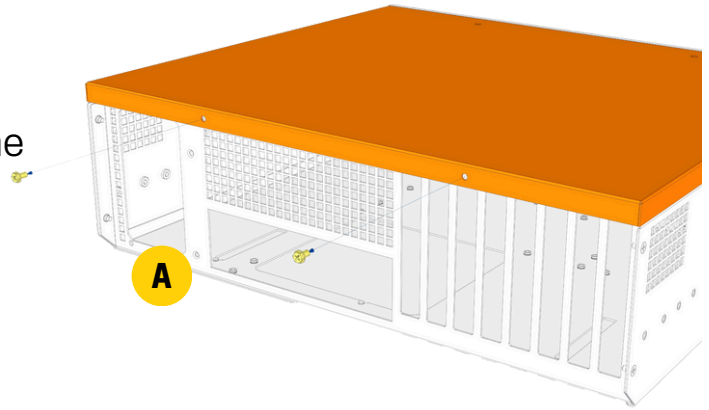
3

NO.	PART NAME
1	Momentary Power Switch w/ Status Light
2	USB 3.0 Type A
3	USB 3.2 Type C

2.2 LID REMOVAL

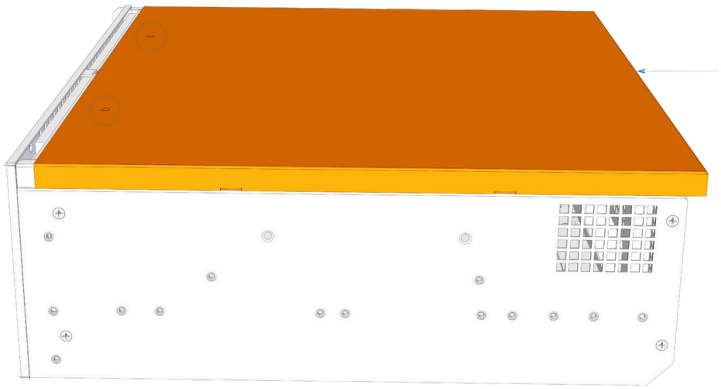
Step 1

Remove the two **yellow**-patched screws (**A**) along the top edge of the case that secure the lid to the motherboard tray.



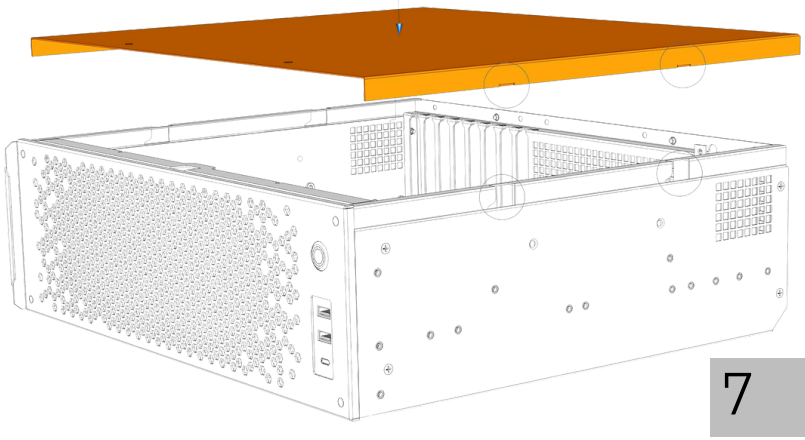
Step 2

Once the screws are removed, push the lid firmly towards the rear of the case.



Step 3

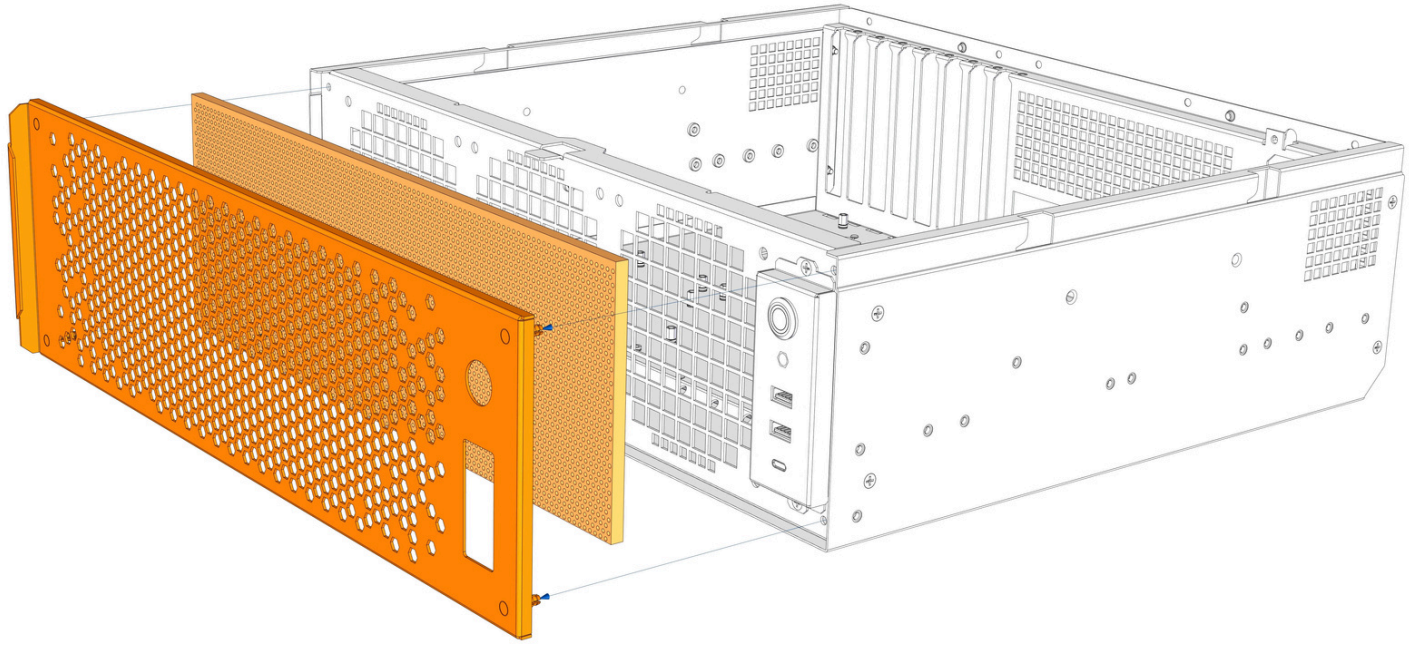
Ensure the metal flanges on the lid have disengaged from the slots on the chassis. Pull the lid up and away from the case.



2.3 FACEPLATE REMOVAL

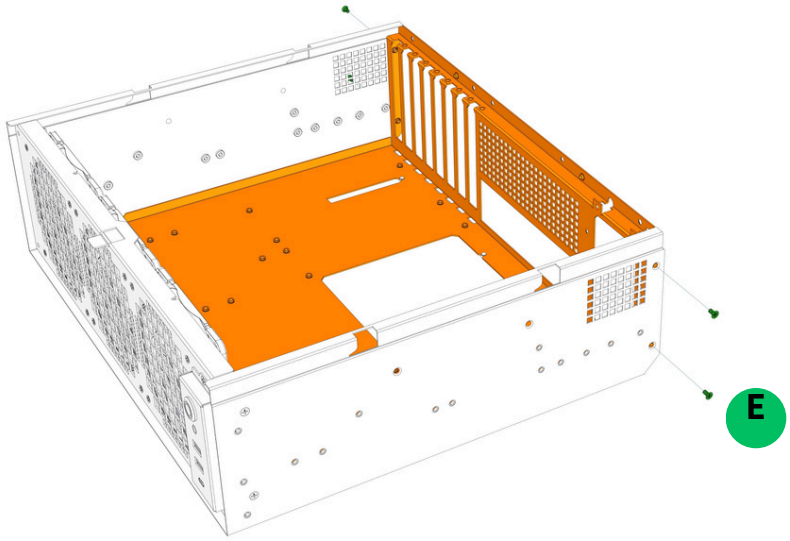
To remove the faceplate, pull on the left side handle of the faceplate until the pins disengage (approximately ½ inch).

Once the pins have disengaged from the subfront, gently pull on the right side to fully remove the faceplate and dust filter.

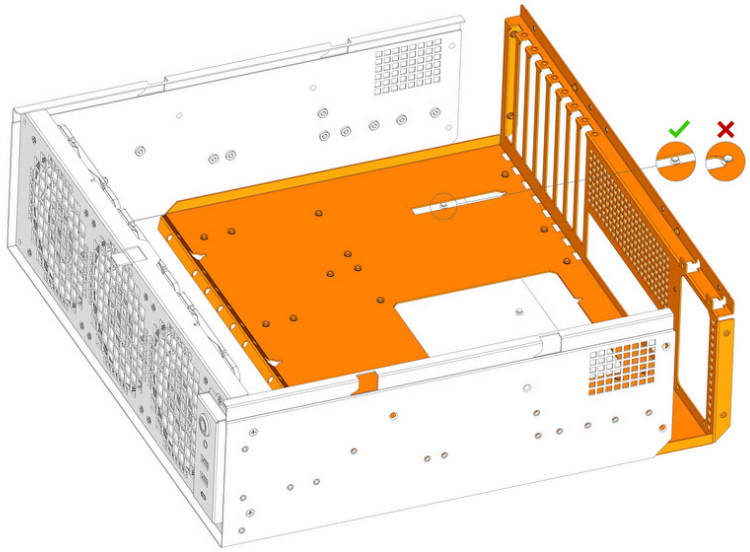


2.4 OPTIONAL TRAY REMOVAL

Removing your motherboard tray can make component installation easier. Remove the four **green**-patched screws (**E**) (two per side) that secure the rear panel of the motherboard tray to the chassis.

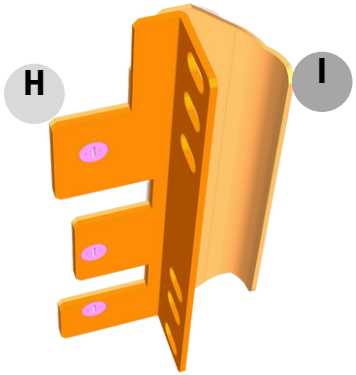


Once these screws have been removed, push back against the bottom of the motherboard tray until the round metal tabs have disengaged. Only pull the tray upward.



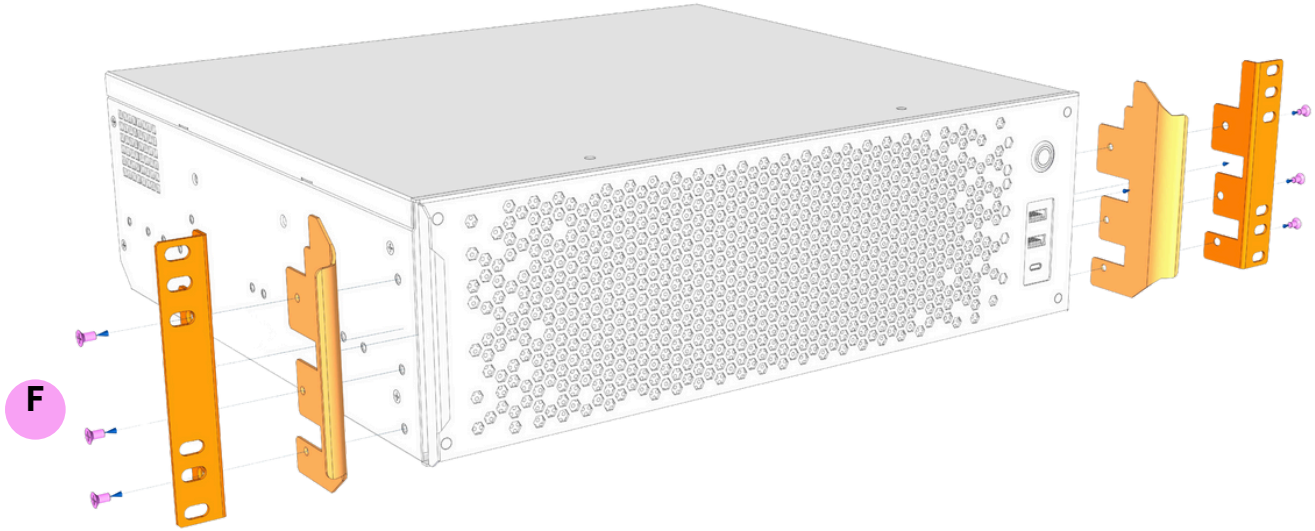
2.5 RACK EAR / PULL HANDLE INSTALL

Stack the rack ears (**H**) on top of the pull handles* (**I**), with the handle facing away from the faceplate.



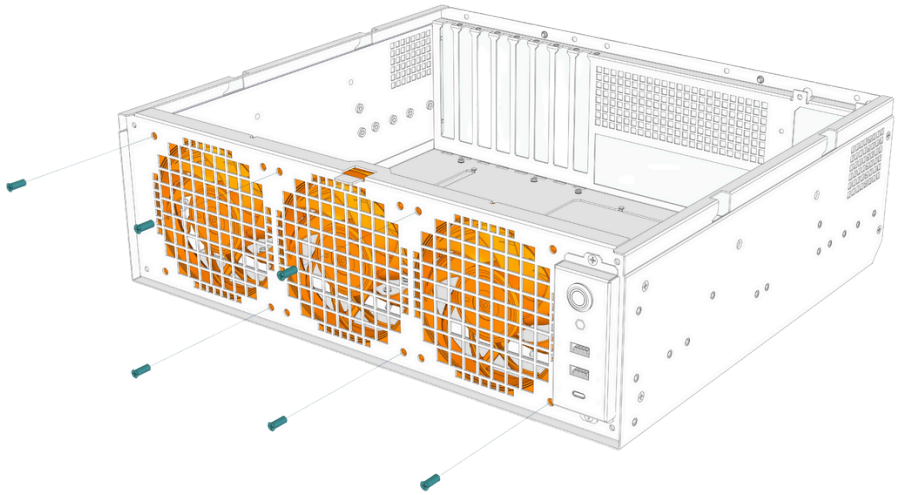
Thread six total M4 thread screws (**F**) (three per side) through the rack ears and pull handles into the chassis and tighten.

*The rack ears can also be used on their own without the pull handles.



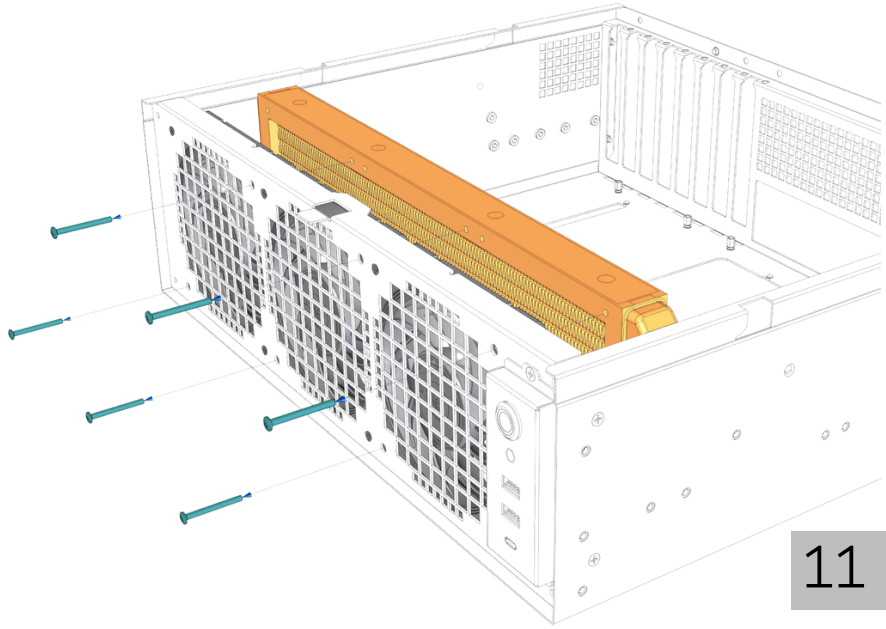
3.1 FAN / AIO INSTALLATION

Only Fans:
Align each 120mm fan with the twelve total mounting points on the subfront (four per fan). Thread self-tapping fan screws (included with your fans) through the subfront and into the fans. Tighten to prevent vibration during operation.



Radiator with Fans:
Place three 120mm fans between the subfront and your 360mm AIO radiator. Thread radiator mounting screws through the fan mounting points on the subfront, through the fans, and into the radiator.

Fan screws must be removed prior to radiator installation. Align fans and the radiator to the mounting points on the subfront (twelve total) to prevent damaging the radiator during installation.

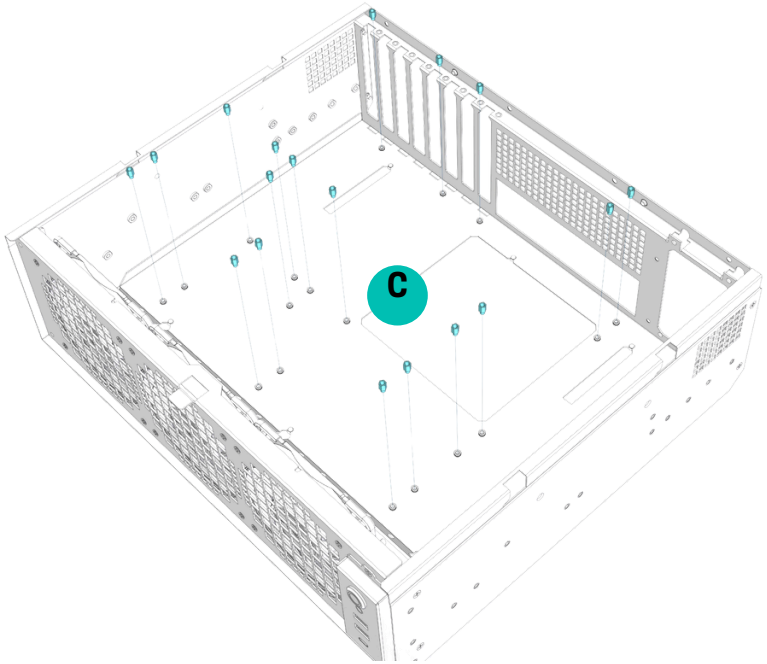


3.2 MOTHERBOARD INSTALLATION

Step 1

Install black hex standoffs (**C**) into the threaded mounting points* on the motherboard tray.

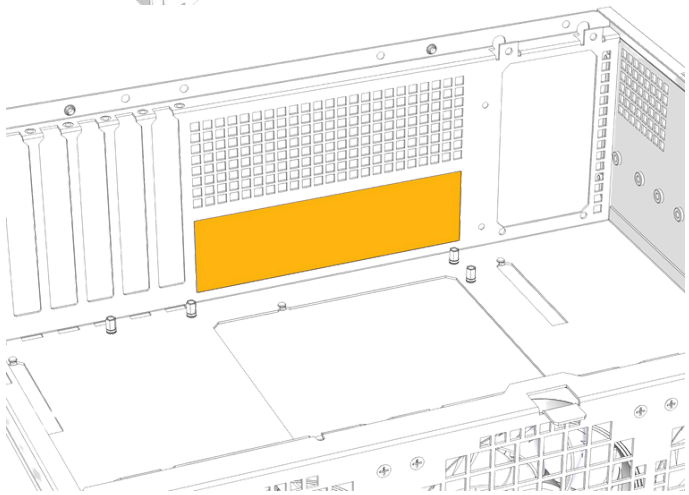
*Your exact quantity and positioning of these standoffs will depend on your motherboard.



Step 2

Verify you have the IO shield oriented correctly prior to installation. Place it inside the horizontal rectangular cutout in the rear panel of the motherboard tray.

Press the IO shield firmly to secure (if your motherboard comes with an integrated IO shield, skip this step).

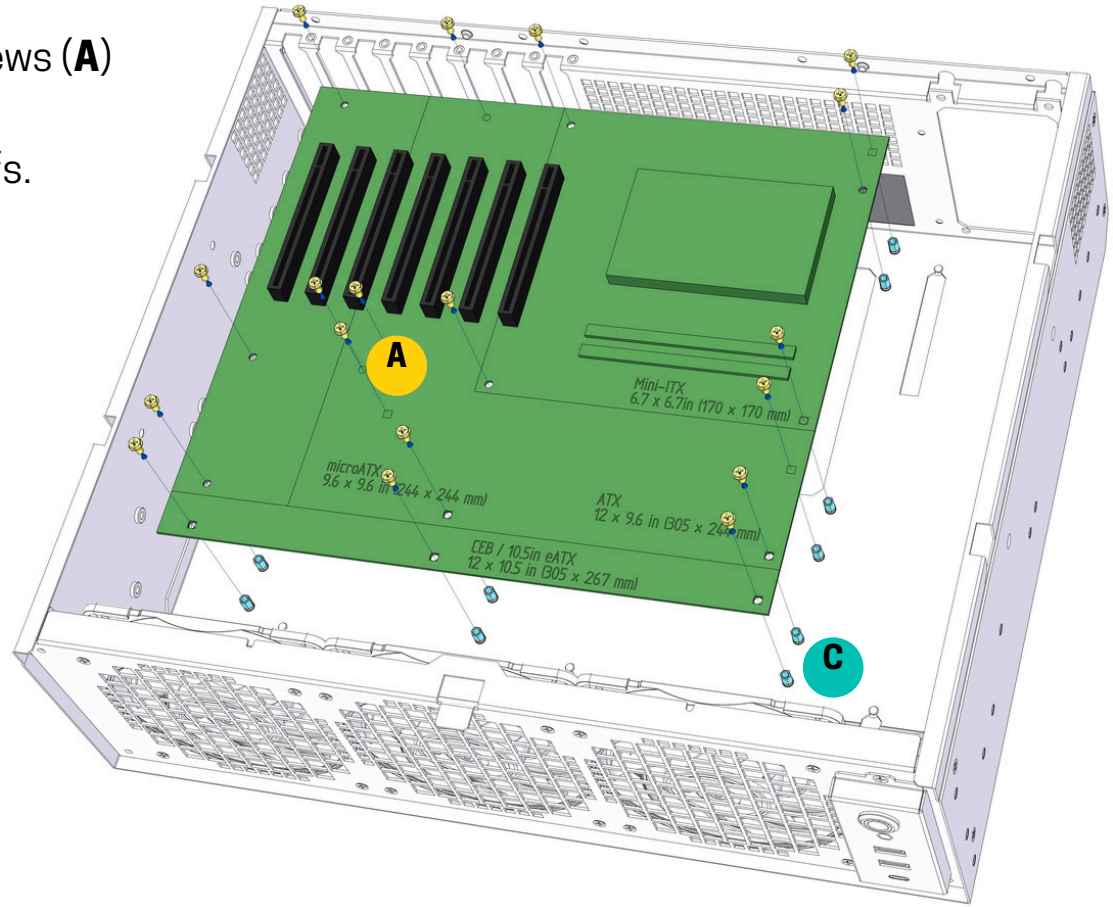


3.2 MOTHERBOARD INSTALLATION

Step 3

Place your motherboard onto the hex standoffs (**C**).

Thread **yellow**-patched 6-32 thread screws (**A**) through the mounting holes of the motherboard into the black hex standoffs.

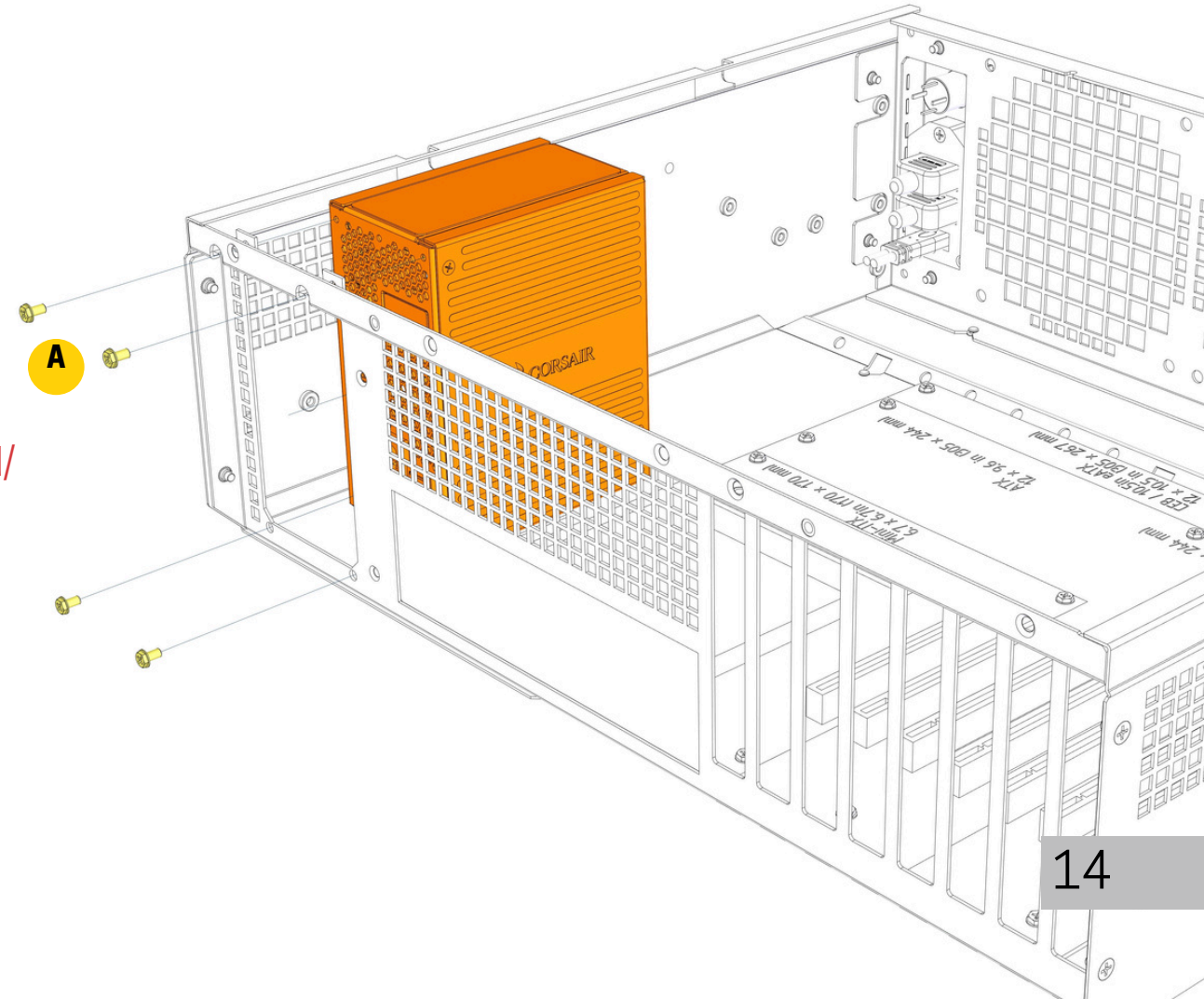


3.3 POWER SUPPLY INSTALLATION

Place your SFX or SFX-L power supply into the motherboard tray, most PSUs will mount with the PSU fan towards the wall of the case.*

Install **yellow**-patched 6-32 thread screws (**A**) through the motherboard tray and into the power supply to secure.

*The intake fan of your PSU may be oriented towards the chassis wall or motherboard, depending on your brand/ model. The PSU's orientation does not affect the performance of the PSU or the cooling of the chassis.



3.4 GPU / PCIe INSTALLATION

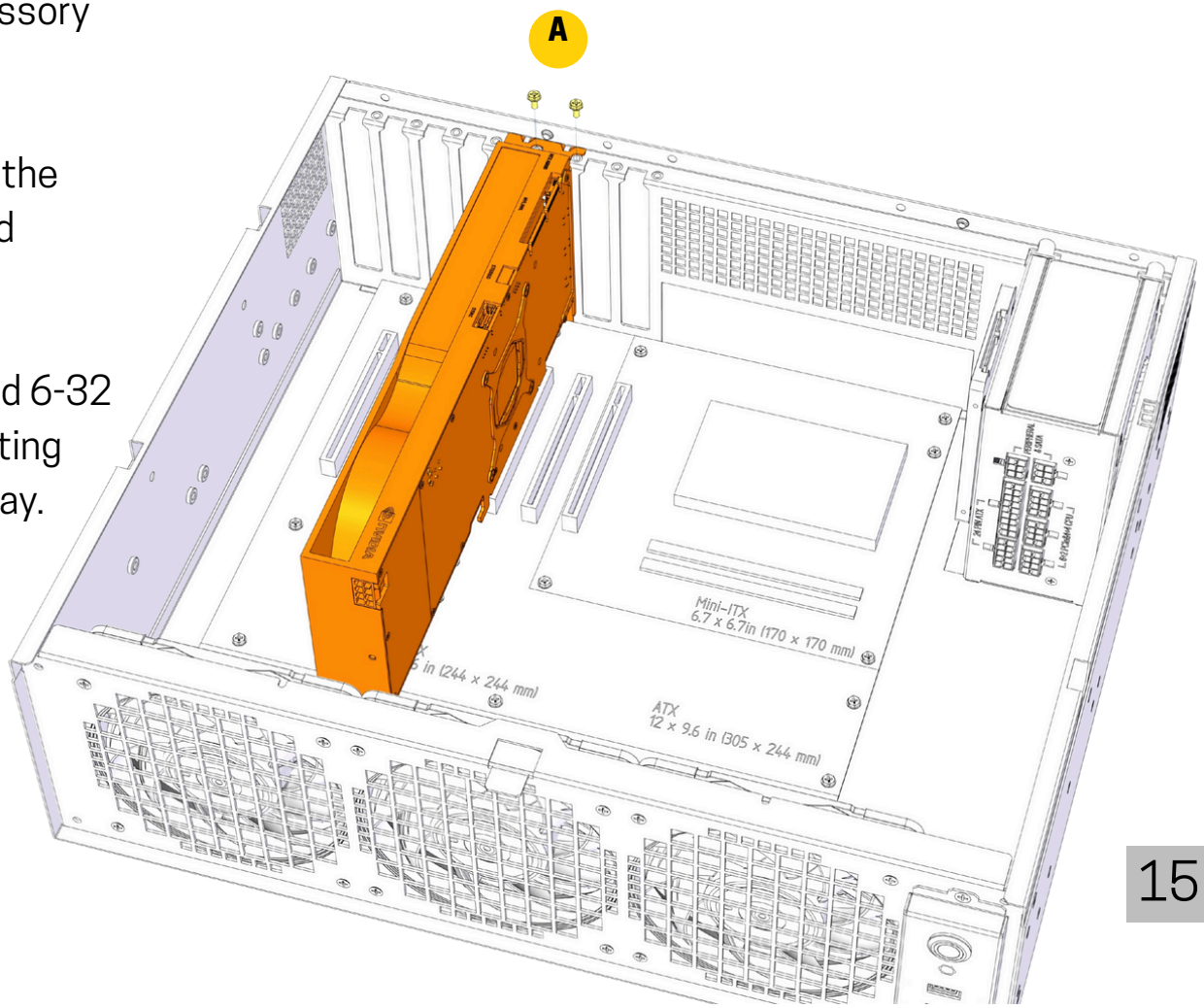
Ensure the PCIe slot latch on your motherboard is open/down.

Check your motherboard's manual to match the correct PCIe slot with your accessory card.

Slowly lower the card, while aligning the connections. Apply gentle downward pressure until you hear a click.

Secure the card with **yellow**-patched 6-32 screws (**A**) through the card's mounting bracket and into the motherboard tray.

Populate any empty slots with the included slot covers (**H**), and secure via **yellow**-patched 6-32 screws (**A**).



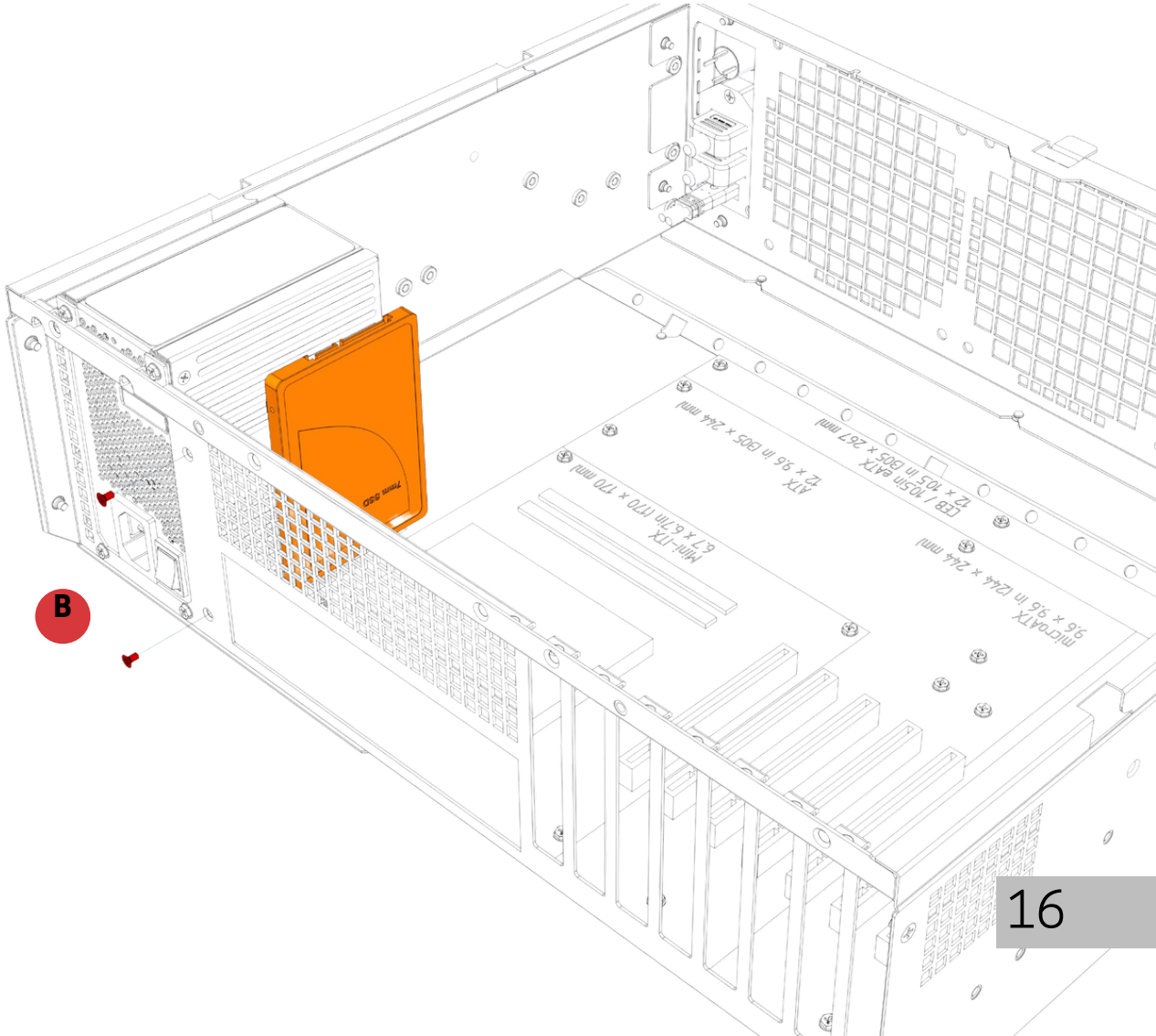
3.5 SSD INSTALLATION

The CX3150a is designed to be used with M.2 NVMe SSDs. Please refer to your motherboard's user manual for M.2 slot locations and installation information.

One 2.5" SSD up to 15mm thick can be installed between the PSU and motherboard IO shield.

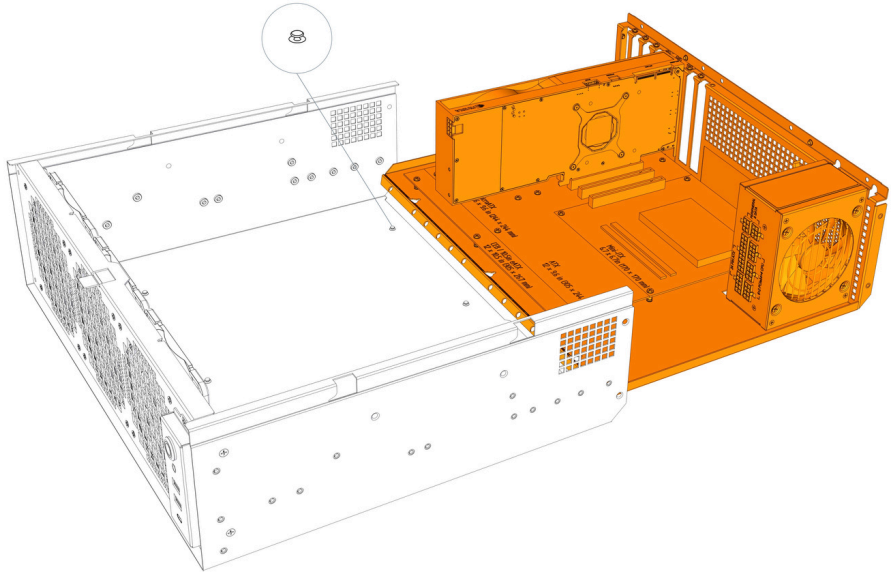
Place the SSD with its ports facing up and the bottom facing the power supply.

Secure the drive by threading two **red**-patched M3 screws (**B**) through the motherboard tray into the SSD.



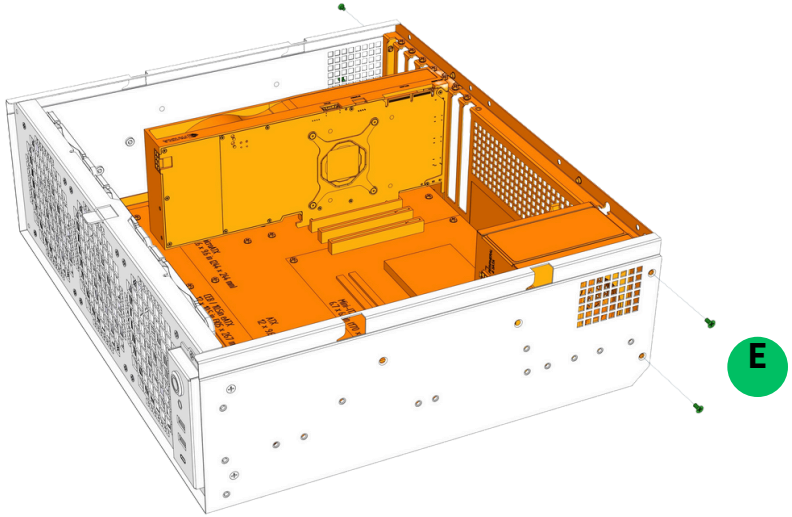
3.6 TRAY INSTALLATION

Slide the fully assembled motherboard tray forward into the case.



Lift gently as you push to avoid catching the tray's front on the metal tabs located on the bottom of the chassis.

Push forward until all six metal tabs on the bottom of the chassis are fully seated into the motherboard tray, and the motherboard rear panel sits flush with the back of the chassis.



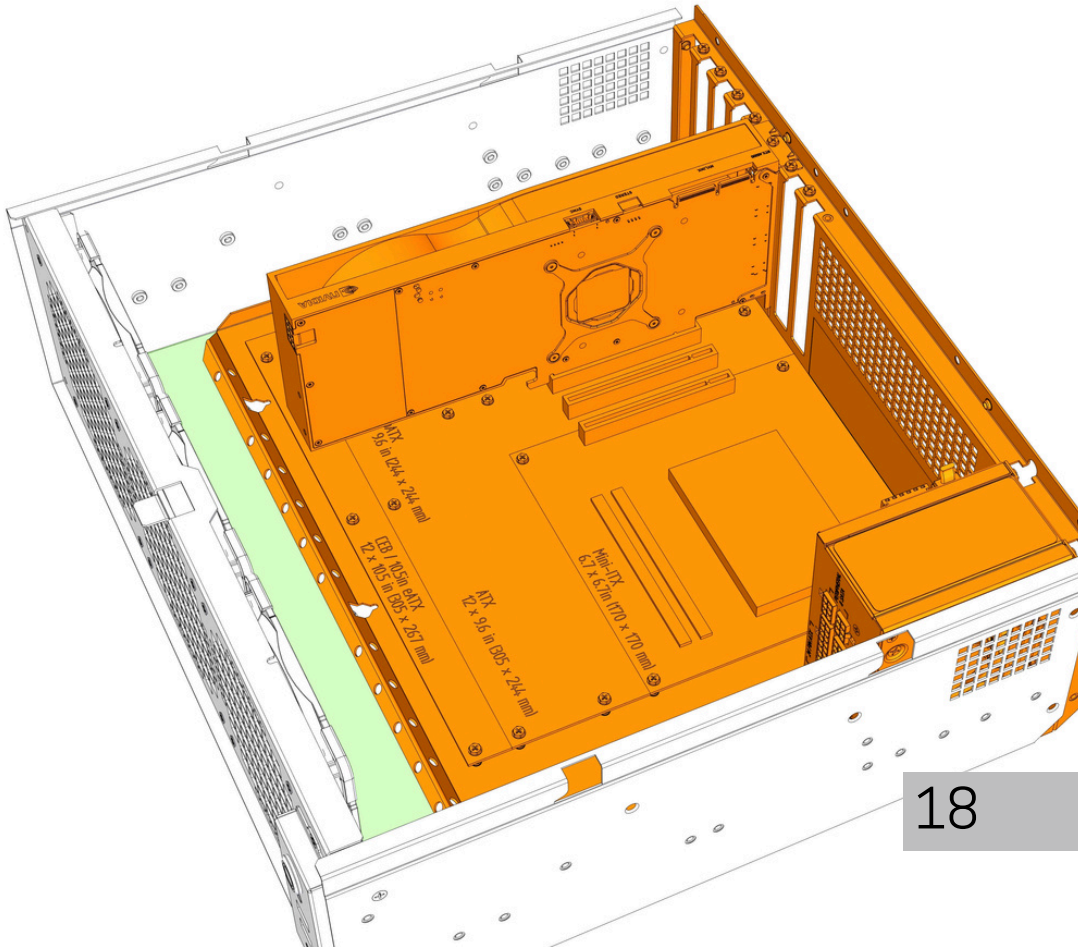
Thread four **green**-patched 6-32 threads screws (**E**) (two per side) through the chassis and into the motherboard tray to secure.

3.7 CABLE MANAGEMENT

Route your cables (FPIO, PCIe, fan, 24-Pin, etc.) along the front edge of the cable management bar located along the front of the motherboard tray (highlighted in green). Secure tightly* with zip ties, cable ties, etc.

Excess cable slack should be bundled directly behind the power supply.

*If you are removing the motherboard tray, ensure your cables are not tied down.



4.1 WARRANTY POLICY

SUPPORT AND SERVICE

Sliger Designs LLC ("Sliger") warrants its Products, if properly used and installed, against defects in material and workmanship for the period stated on the product specifications. Under normal use and service, every hardware portion of the products will be free from physical defects in material and workmanship during the warranty period (excludes normal wear and tear), or the product will be repaired or replaced as determined solely by Sliger.

For full warranty and RMA policy visit : https://www.sliger.com/support/warranty_and_rma/

Website: www.sliger.com
Support Email: orders@sliger.com
Phone Number: 1 775 356 5595
Hours of Operation: 8a - 5:30p MST

SUPPORT AND SERVICE

If you have any questions or problems with the Sliger product you purchased, please don't hesitate to contact us via email or phone. Please include a detailed explanation of your problem and your order number.

For comments and suggestions, you can e-mail our design team, orders@sliger.com.

Lastly we would like to thank you for your support by purchasing this product.

For more information about Sliger Designs, please visit us online.

Support Email: orders@sliger.com
Phone Number: 1 (775) 356 5595
Hours of Operation: 8:00a - 5:30p MST
Website: www.sliger.com

4.3 REGULATORY COMPLIANCE



To the best of our knowledge, all computer chassis manufactured by Sliger Designs, LLC adhere to ROHS, REACH, and Conflict Minerals regulations. All Sliger products are produced in the United States of America and primarily utilize domestically sourced materials.

ROHS STATEMENT

This product is compliant to implemented RoHS (Restriction of Hazardous Substances) type regulations worldwide, including but not limited to China, India, Japan, Korea and European Union.

REACH STATEMENT

REACH (Registration, Evaluation, Authorization and Restriction of Chemicals, EC 1907/2006) is the European Union's (EU) chemical substances regulatory framework. REACH requires Sliger Designs, LLC to provide customers with sufficient information on Substances of Very High Concern (SVHC) contained in products in concentration above 0.1% weight by weight (w/w) to allow safe use of the product.

Certificates of Compliance are available upon request.

4.4 MANUAL REVISION HISTORY

Version 0.1 2025/04/01
Version 1.0 2025/06/01