SLIGER



S640

ATX SFF PC Case

ENGLISH

In this guide

Use this guide to identify the included hardware, open the chassis and install your components. Consult the motherboard, PSU, cooling and drive manuals for component-specific requirements.

Check the complete configuration before installation: cooling, storage, PSU and GPU options share space and mounting locations.

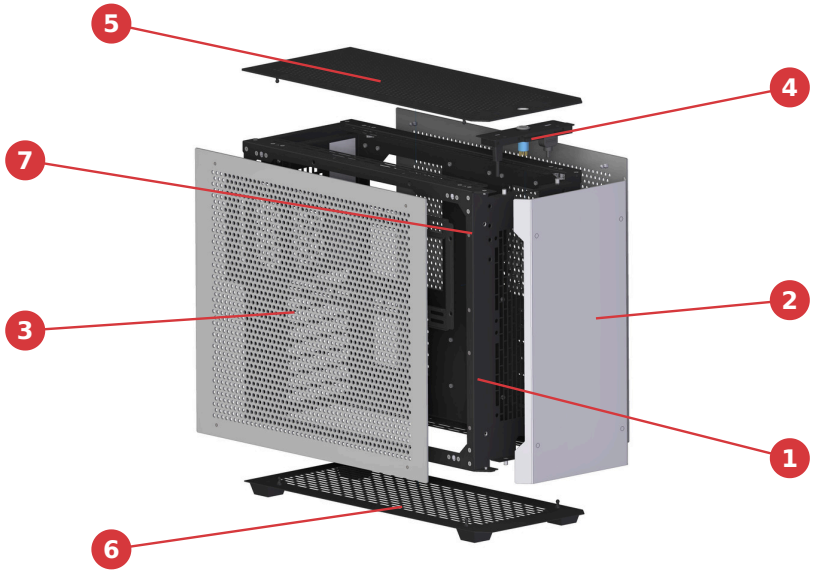
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Exploded assembly & part key

Assembly part key

No.	Part
1	Chassis frame
2	Front panel
3	Side panels (2)
4	Front I/O assembly
5	Top panel
6	Bottom panel
7	Side fan bracket

See the hardware-kit page for the screw bag and PSU brackets.



S640 chassis assemblies

Compatibility & supported mounting options

Item	Supported configuration
Motherboards	Mini-ITX, MicroATX and ATX; EATX with PSU at front or on side fan bracket
Rear ATX PSU	Limits motherboard size to ATX
PSU	ATX, SFX and SFX-L
CPU cooler height	160 mm maximum
PCIe slots	8 full-height slots; five painted covers supplied
PCIe card height	160 mm maximum
Card length	416 mm maximum; 391 mm with two 25 mm front fans
Radiator mounting	Up to 360 mm at top, bottom or side; 240 mm at front; 120 mm at rear
Side fan bracket	Second bracket supported; purchased separately
Front I/O	One USB-A, one USB-C and one power/status switch
Storage	Optional shared S6xx SSD/HDD brackets at fan mounting locations

ⓘ Available combinations depend on installed components. Verify the actual EATX board envelope and connector space; an EATX label alone does not establish a universal board size.

Dimensions & card clearance

Chassis dimensions

Measurement	Overall	Internal
Depth	449.55 mm	418.16 mm
Width	190.53 mm	183.08 mm
Height	371.68 mm	359.08 mm

S630 and S640 share the same depth and width; S640 is taller.

Component clearance

Item	Maximum
CPU cooler height	160 mm
PCIe card height	160 mm
Card length	416 mm
Card length with two 25 mm front fans	391 mm

ⓘ Check the actual PSU, cooling and storage arrangement. Allow room for card power connectors, cable bends and radiator/fan stacks; the options do not imply simultaneous fit.

Hardware kit

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

A 6-32 × 0.25-inch hex screws — 20 ×

Yellow-marked · Motherboard, PSU and HDD fasteners. S640 PCIe retention and slot covers.



B M3.5 × 5 mm screws — 16 ×

Red-marked · Alternative fastener for the p-5-100013b storage bracket.



C 6-32 × 0.125-inch standoffs — 20 ×

Teal drawing highlight; black hardware · 0.25-inch length. Install only beneath motherboard mounting holes.



D 6-32 × 0.25-inch flat-head screws — 20 ×

Green-marked · PSU/fan brackets, front I/O and S630-prefix storage brackets.



E M3 screws (5 mm thread) — 8 ×

Blue-marked · SSDs; alternative p-5-100013b mounting.



F Painted PCIe slot covers — 5 ×

Five painted covers supplied in the common S630/S640 screw bag.



G ATX PSU bracket — 1 ×

ATX PSU bracket; S630 and S640 support ATX PSUs.



H SFX PSU bracket — 1 ×

Use with SFX / SFX-L power supplies.

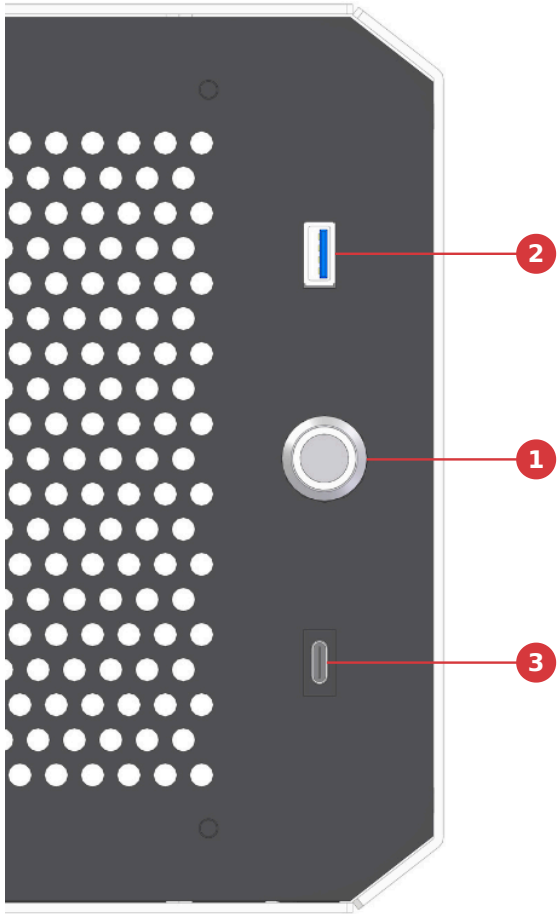


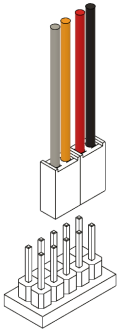
ⓘ S630 and S640 use the same screw bag: 20 standoffs, 20 green-patched, 16 red-patched, 20 yellow-patched and 8 blue-patched screws, plus 5 painted slot covers. Red B screws are M3.5 × 5 mm; C standoffs are 6-32 × 0.125-inch, 0.25-inch length. Blue E screws have 5 mm of thread and measure 8 mm overall.

The hardware kit also includes one ATX PSU bracket **G** and one SFX PSU bracket **H**.

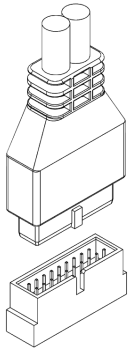
S630 PCIe retention uses blue E screws; S640 uses yellow A screws. Fan and radiator fasteners are supplied with their components. Follow component screw-length limits; illustrations are not to scale.

Front ports & connections

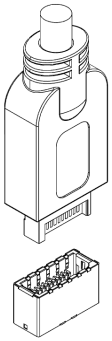




Power switch & status light



USB Type-A port



USB Type-C port

No.	Port / connection
1	**Power switch & status light** Momentary power switch with status light. Connect switch and LED leads to the front-panel header; observe the motherboard's LED polarity markings.
2	**USB Type-A port** One USB 3.0 Type-A port. Connect its keyed internal cable to the matching motherboard USB header.
3	**USB Type-C port** One USB 3.2 Type-C port. Connect the internal Type-E cable to a compatible motherboard header.

Use your motherboard manual to identify matching headers and pin assignments. The numbered front-panel locations correspond to the connector drawings and legend.

Remove panels & choose orientation

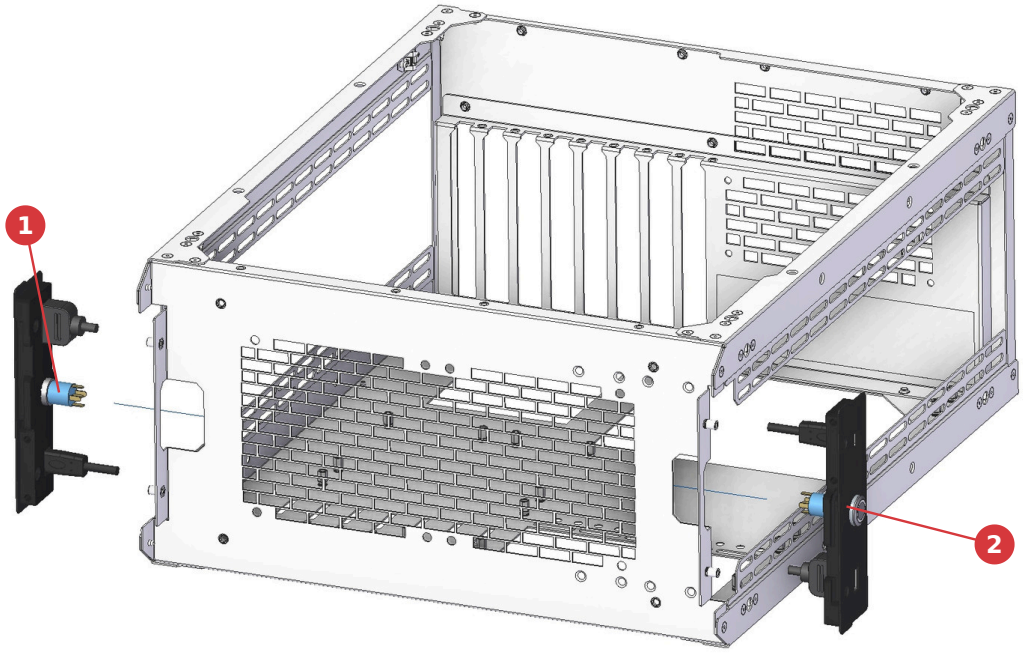
Remove the exterior panels

The side, top and bottom panels use ball-stud retention. Pull near the edge to release the panel, then set it aside.

For the front panel, release one edge, then the opposite edge. Keep its push pins aligned to avoid bending them.

Choose the I/O position

The illustration shows the single power/USB assembly in two alternative positions: **1** for the standard arrangement or **2** for the opposite-side arrangement. Only one assembly is installed. Fit the front panel to match the chosen position and follow the relocation procedure on the next page.



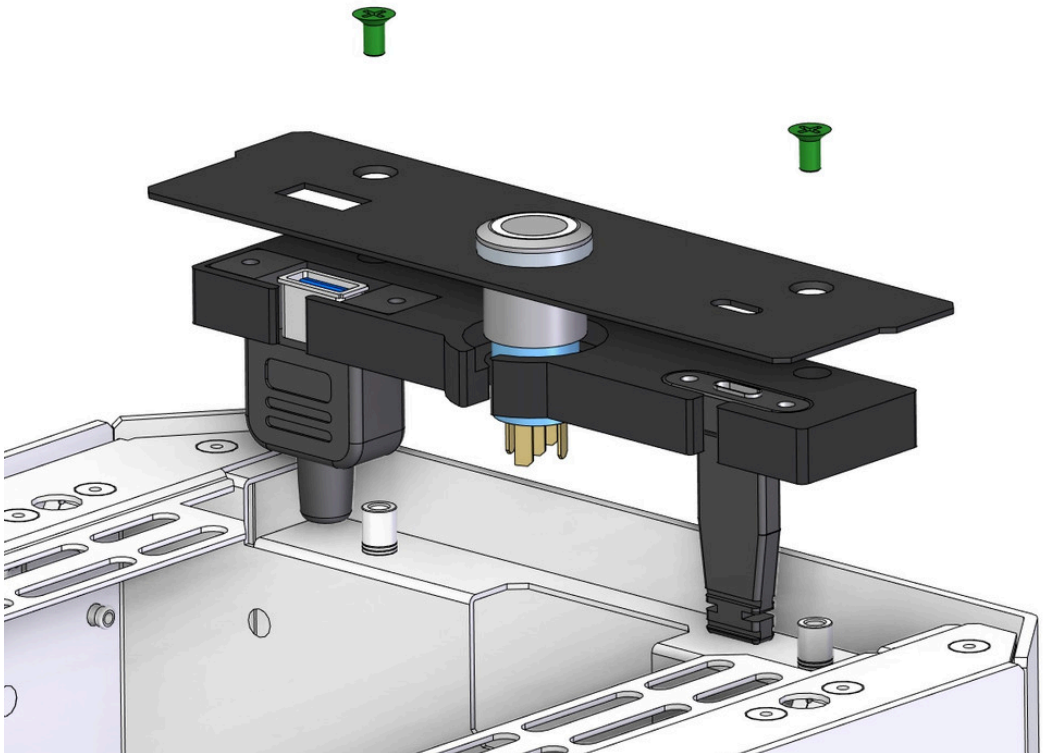
One I/O assembly: choose position 1 or 2

Relocate the front I/O assembly

Move the front I/O to the other side

1. Power down and disconnect external cables. Remove the top panel.
2. Remove the two green-marked screws **D** from above the I/O assembly.
3. Lift the assembly straight up without pulling on its cables.
4. Remove the bottom panel and fit the assembly on the opposite side of the case.
5. Secure it with two green-marked screws **D**. Route the cables without pinching or tension, then reinstall the panels.

Both models have one USB-A port, one USB-C port and one power/status switch. The supplied image shows the removal direction.



D Green

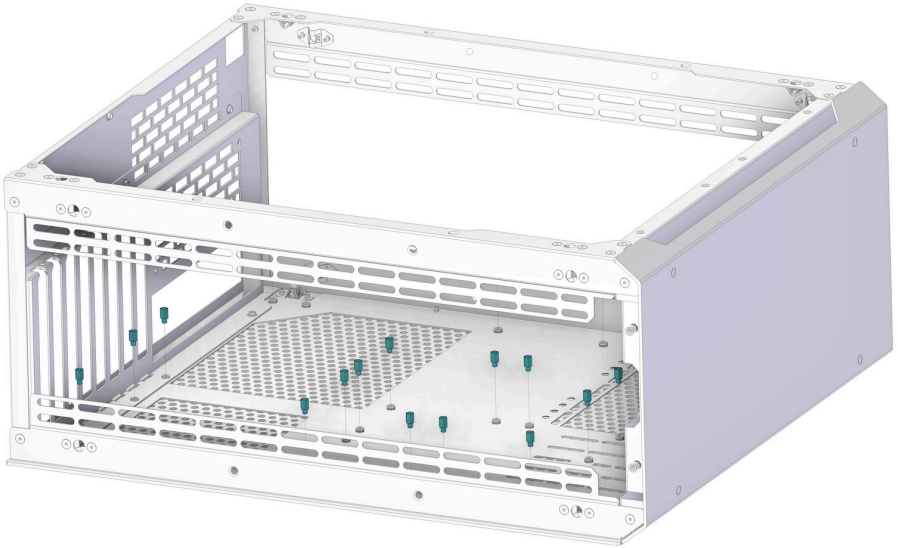
S640 front I/O block removal

Prepare the motherboard mounting points

Prepare the mounting points

Install standoffs only beneath the motherboard's mounting holes. Remove unused standoffs that would contact the board underside. The pattern depends on the motherboard.

If the board uses a separate I/O shield, orient it to the ports and press it into the rear opening. Skip this step for an integrated shield.



C Teal

Standoff installation



Separate I/O shield

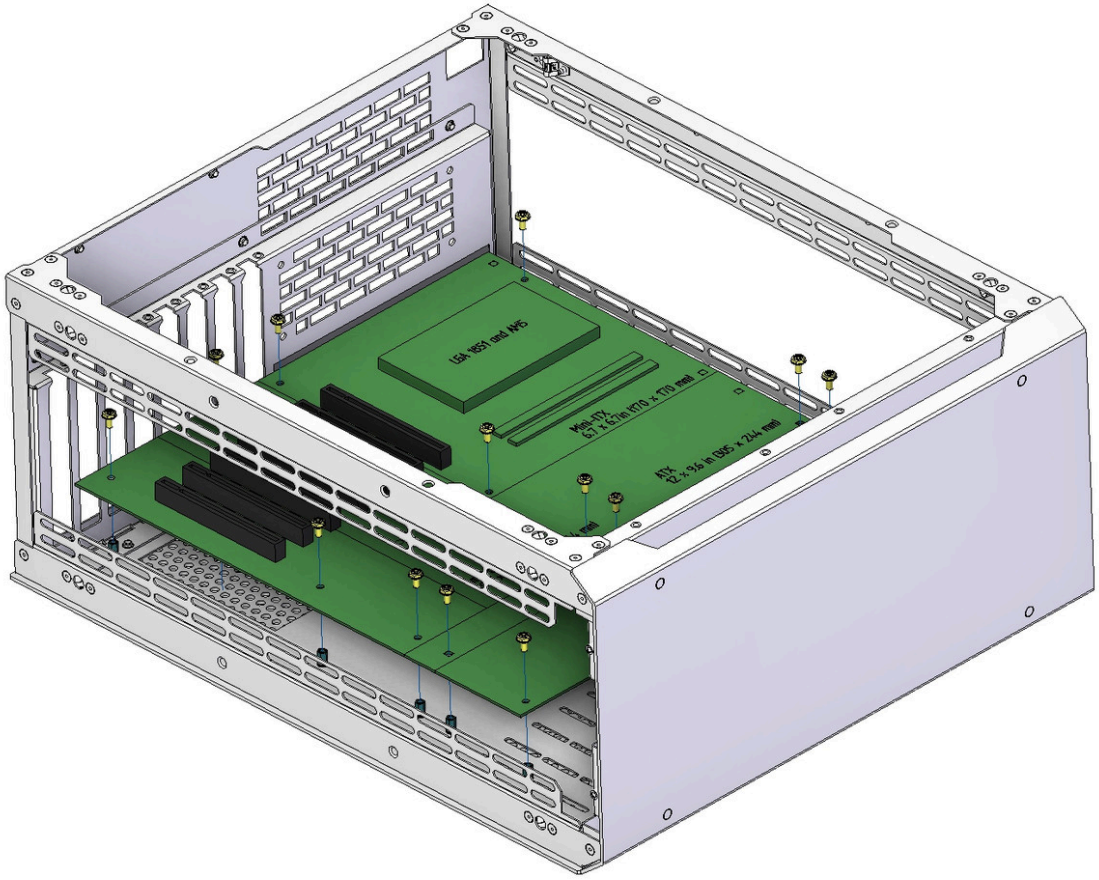
Install the motherboard

Install the motherboard

Align the motherboard with the standoffs and rear I/O opening. Secure it with the correct motherboard fasteners without overtightening.

Make sure nearby brackets and cables do not press against or bend the motherboard. Consult the motherboard manual for installation and header connections.

Check the chosen PSU position against the motherboard envelope before continuing.



A Yellow **C** Teal

Motherboard seated on the mounting points

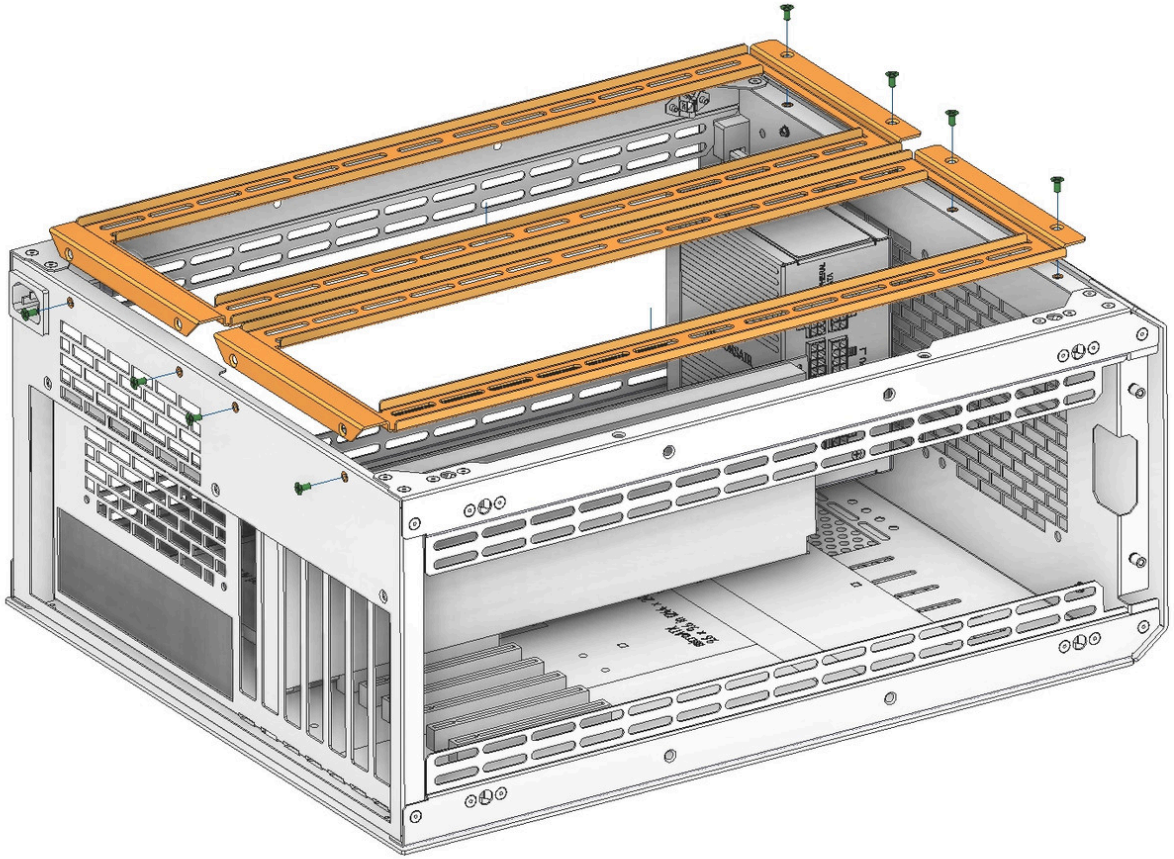
Side fan bracket installation

Remove and refit the bracket

Each side fan bracket attaches to the chassis with four green-marked 6-32 × 0.25-inch screws **D**.

1. Remove the four **D** screws and lift the bracket away from the chassis to make room for component installation.
2. Fit fans or a radiator to the removed bracket using the component-specified screws, as described on the following page.
3. Align the bracket with its chassis mounting holes and secure it with four **D** screws. Tighten by hand and check clearance to the motherboard, cables and installed components.

ⓘ S640 supports a second side fan bracket, purchased separately. Use four **D** screws for each bracket.



D Green

S640 side fan brackets; second bracket sold separately

Install fans & a radiator

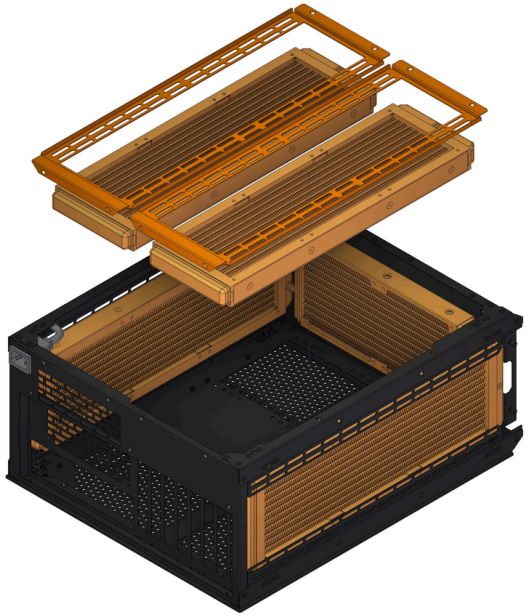
Fit fans and a radiator

Choose a mounting location compatible with the motherboard, PSU, GPU and storage: up to 360 mm at the top, bottom or side; 240 mm at the front; 120 mm at the rear.

The side fan bracket is secured by four green-marked screws **D**. Remove them to release the bracket, fit the fans/radiator using the component-specified screws, then refit the bracket with four **D** screws.

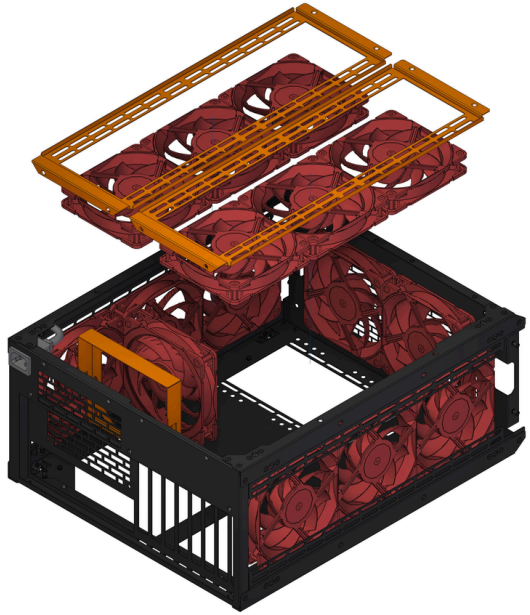
ⓘ Check stack thickness, tubing, cable access and panel closure. Mounting options depend on the installed components; the views do not promise simultaneous fit at every location.

S640 supports a second side fan bracket, purchased separately.



D Green

Alternative radiator positions



D Green

Alternative fan positions

Attach the PSU bracket

Attach the PSU bracket

S640 supports ATX, SFX and SFX-L power supplies. Select the bracket matching the PSU form factor.

1. Attach the bracket to the PSU with yellow-marked 6-32 screws **A**.
2. Choose a position compatible with the motherboard and other components.
3. Secure the bracket to the chassis with four green-marked 6-32 screws **D**.
4. Check cable reach, connector space and the PSU intake/exhaust path.

ⓘ An ATX PSU at the rear limits the motherboard to ATX. For EATX, place the PSU at the front or on the side fan bracket. The views show alternative assemblies, not simultaneous PSU installations.



A Yellow

SFX bracket attachment



A Yellow

ATX bracket attachment

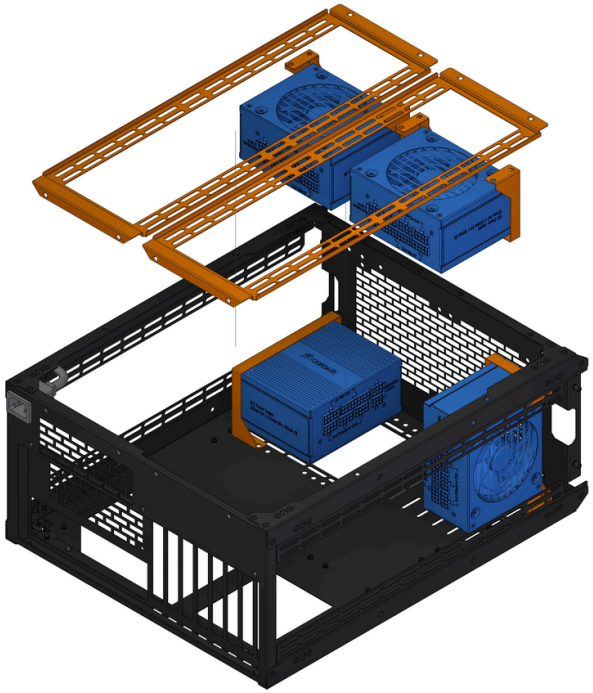
SFX / SFX-L PSU mounting positions

SFX / SFX-L positions

The views show alternative SFX positions. Select one with clearance for the motherboard, GPU, cooling, storage and cables.

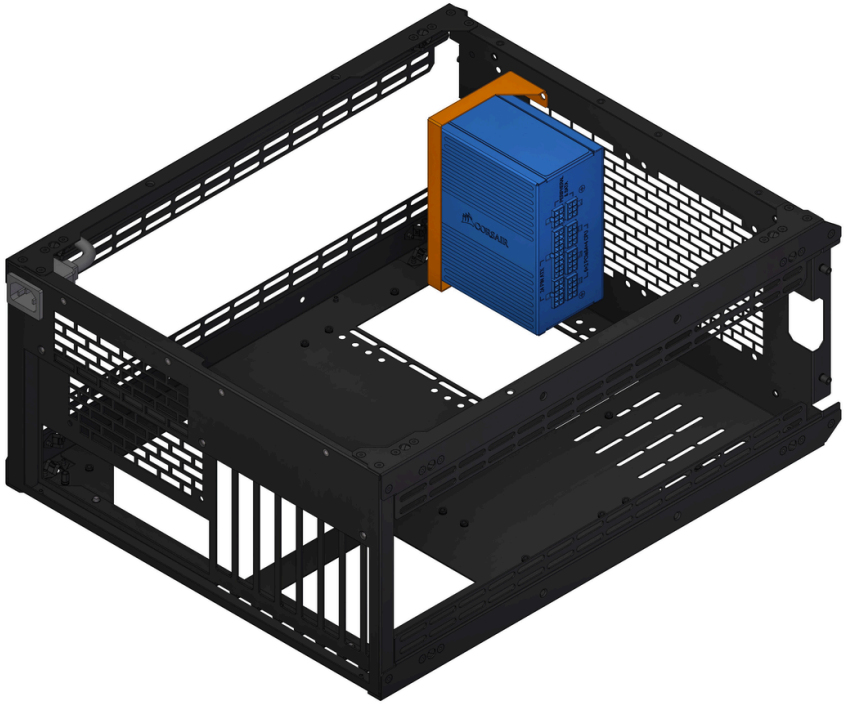
Secure the bracket to the chassis with four green-marked screws **D**. Keep the PSU intake/exhaust path clear and allow space for power connectors and cable bends.

Check the complete assembly and confirm that exterior panels close without loading a cable or component.



D Green

Alternative SFX positions



D Green

Additional SFX position

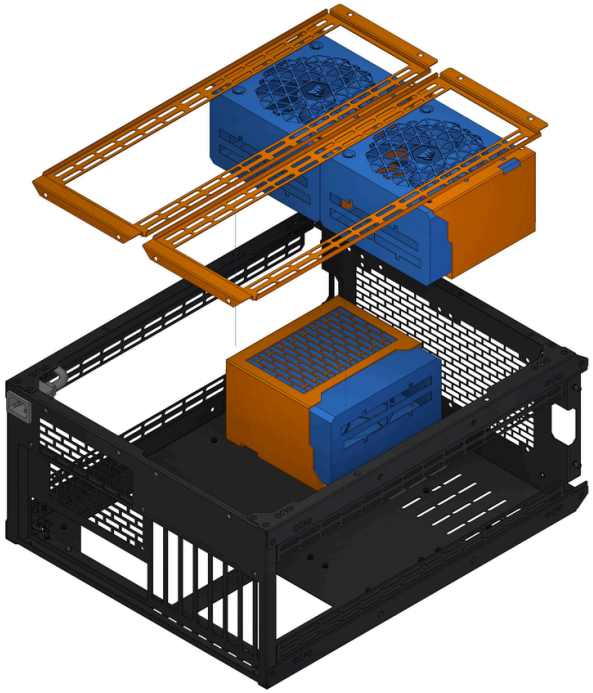
ATX PSU mounting positions

ATX positions

The views show alternative ATX bracket locations and orientations. An ATX PSU at the rear of S640 limits the motherboard to ATX. EATX is supported with the PSU at the front or on the side fan bracket.

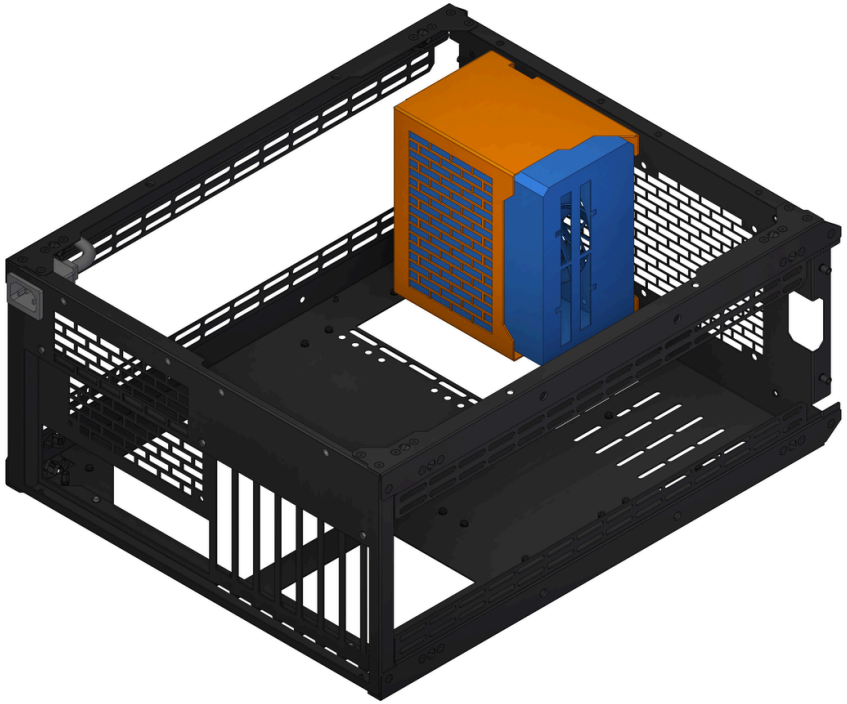
Secure the bracket to the chassis with four green-marked screws **D**. Check the actual motherboard dimensions, GPU clearance, the fan/radiator stack, storage brackets and connector access.

Check cable reach and confirm that exterior panels close without loading a cable or component before tightening.



D Green

Alternative ATX positions



D Green

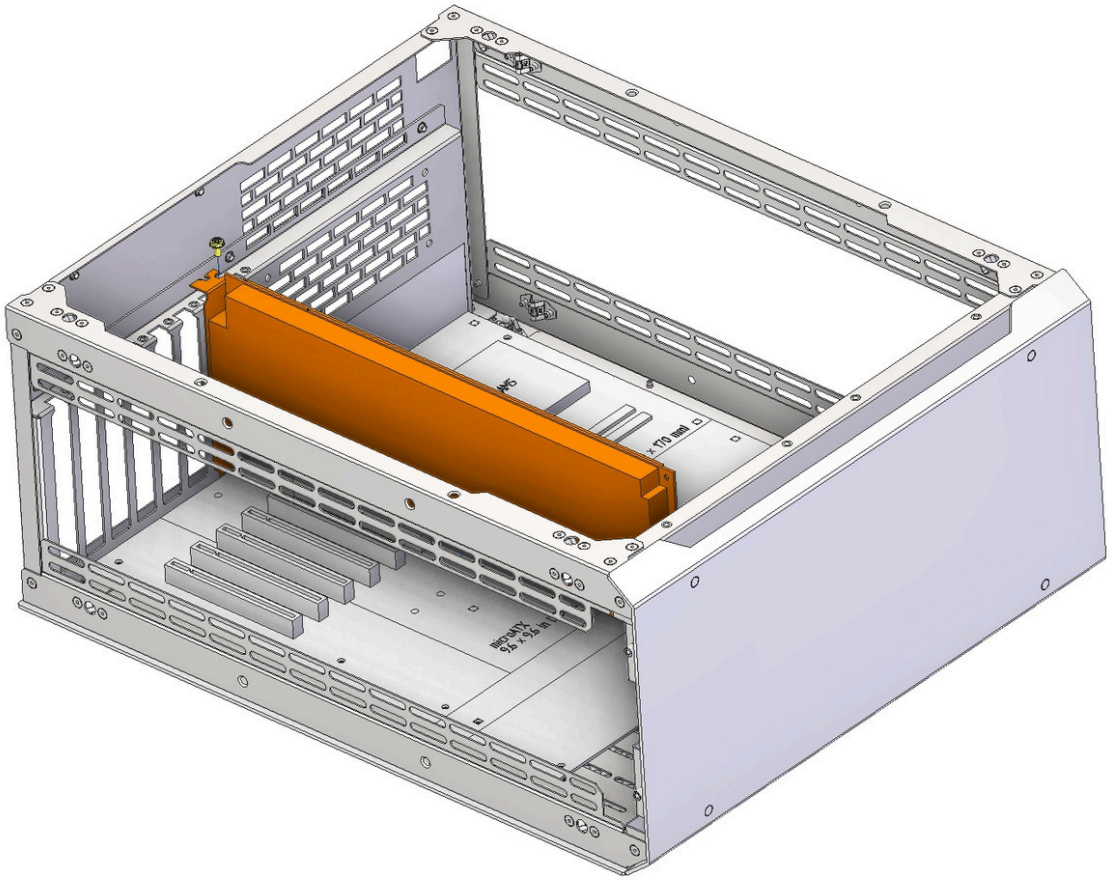
Additional ATX position

Install a GPU or PCIe card

Install the card

1. Remove the necessary slot covers. Select the motherboard slot and open its latch if fitted.
2. Align the card with the slot and rear opening. Seat it evenly until the latch engages, where applicable.
3. Secure the card's mounting bracket to the PCIe retention flange using the yellow-marked 6-32 screws **A**.
4. Cover unused openings with slot covers **F**, secured with screws **A**.

ⓘ Check power-connector and cable-bend clearance with the chosen cooling, PSU and storage configuration.



A Yellow

S640 PCIe card seating and retention

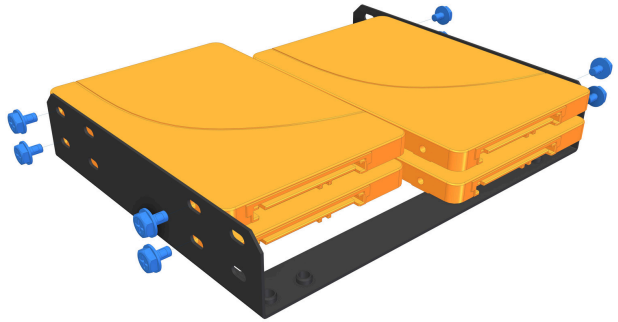
Install 2.5-inch SSDs

SSD mounting brackets are sold separately.

Fit SSDs to the four-drive bracket

Align the four SSDs with the bracket holes and secure them with blue-marked M3 screws **E** as shown. Keep the SATA connectors accessible and follow the drive manufacturer's screw-length limits.

S630-prefix storage brackets attach at fan mounting locations using green-marked screws **D**. Choose a location that clears the other components and allows cable access; a drive bracket occupies mounting space that may otherwise be used for cooling.



E Blue D Green

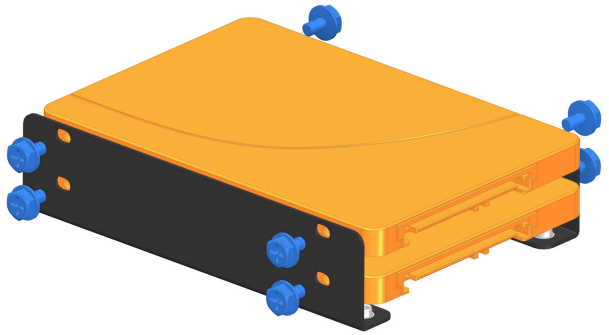
Four-SSD bracket assembly

Fit SSDs to the two-drive bracket

Secure the two SSDs to the bracket with blue-marked M3 screws **E**, keeping the connectors accessible.

The p-5-100013b bracket attaches at fan mounting locations using red-marked screws **B** or blue-marked screws **E**. Select a position with clearance to the PSU, GPU, cooling, SATA connectors and cables.

Storage and cooling share mounting space. Select the bracket combination around the actual PSU, GPU, fans, radiator and cable paths.



E Blue B Red

Two-SSD bracket assembly

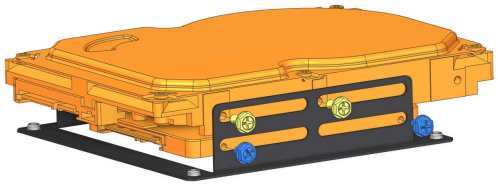
Install 3.5-inch HDDs

HDD mounting brackets are sold separately.

Fit one 3.5-inch HDD and one 2.5-inch SSD

The illustration shows one 3.5-inch HDD with a 2.5-inch SSD mounted beneath it in the same bracket assembly. Secure the HDD to the side rails with yellow-marked 6-32 screws **A**. Secure the SSD beneath the HDD with blue-marked M3 screws **E**.

Mount the S630-prefix bracket at a suitable fan mounting location with green-marked screws **D**. Check space for the SATA connectors and cable bends, and follow the drive manufacturer's screw-length limits.



A Yellow **E** Blue **D** Green

One 3.5-inch HDD with a 2.5-inch SSD beneath it

Fit two 3.5-inch HDDs to the stacked bracket

The illustration shows two 3.5-inch HDDs in the stacked bracket assembly. Align each drive with the side-rail holes and secure it with yellow-marked 6-32 screws **A**. Tighten by hand without overtightening.

Mount the S630-prefix bracket at a suitable fan mounting location using green-marked screws **D**. Check clearance to cooling and other components. Connect the drives without straining the cables and verify the panels close freely.



A Yellow **D** Green

Two 3.5-inch HDDs in the stacked bracket

Cable routing & reassembly

Route cables and check the assembly

- Keep power and data cables clear of fans, panel retainers, and sharp edges.
- Check the motherboard power, CPU power, GPU power, front I/O, and drive connections against the component manuals.
- Confirm that no loose fasteners or unused standoffs remain inside the case.
- Inspect the PSU intake and exhaust paths for obstruction.
- Check bracket retention and component clearances before replacing the panels.

Refit the panels

Align the real panel retainers and press near their attachment points. Do not force a panel against a cable or component.

If the case is used in a flipped orientation, verify the front I/O location, cable slack, feet, ventilation, and panel retention in that configuration before powering on.

Initial power-on

Reconnect the required external cables and power. Check fan rotation and normal operation before sustained use. If anything contacts a fan or a panel cannot seat, shut down and correct the interference.

Warranty & support

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: sliger.com
Support Email: orders@sliger.com
Phone Number: 1 775 356 5595
Hours of Operation: 8a - 4:30p MST

SUPPORT AND SERVICE

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.

Website: sliger.com
Support Email: orders@sliger.com
Phone Number: 1 775 356 5595
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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 materials sourced domestically.

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.

Manual revision history

Version	Date	Changes
v1.0	2026-11-02	Initial release