

Velkase Velka 3 rev 2.0 user manual (short version)

Download the detailed and most up-to-date version of the user manual at <https://www.velkase.com/downloads>

Specification

Dimensions (L x W x H)	189 x 96 x 218 mm
Weight	1.5 kg
Materials and finish	5 mm aluminum front panel 1.2 mm galvanized steel and stainless steel body 1.0 mm galvanized steel side panels
I/O	Rear: Motherboard, graphics
Security	Kensington Lock Slot
PCIe riser	PCIe 3.0 x16

Hardware compatibility

Motherboard	Mini ITX 170 x 170 mm
Power supply	Flex ATX (150 mm)
CPU cooler	37 mm
Graphics card (L x W x H)	Maximum clearance, including cables. Cables require 16 mm if not recessed into the board. 175 x 43 x 148 mm 178 x 40 x 148 mm
Memory	42 mm
Storage	1x 2.5" HDD or SSD (7.0 mm thick)

Test all of your components before assembling a system in the case.

1. Assemble the computer with the graphics card plugged directly into the motherboard, test for functionality
2. In BIOS, set PCIe speed / compatibility mode to gen 3, test for functionality
3. Repeat step (1) with the PCIe riser, DisplayPort and HDMI extensions. Be gentle with these cables as they are not designed for external use.

Disassembly

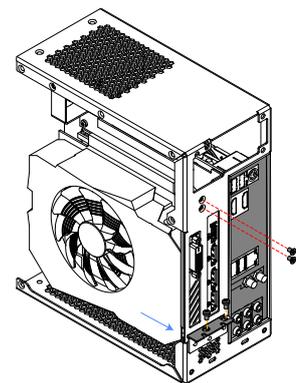
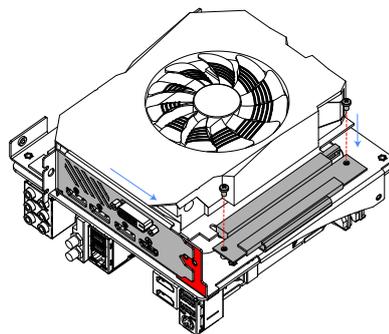
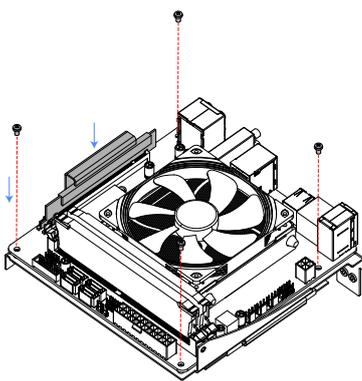
1. 2 screws on top-front and 2 screws on bottom-front to remove front panel
2. 6 screws in the front and 5 screws in the rear to remove side panels. Note: the 3 upper screws in the rear are secured by separate nuts. Hold the nut to remove each screw.
3. 2 screws on the left and 2 screws on the right to remove struts
4. 2 screws in the back and 2 screws on the bottom to remove motherboard tray

Assembly

-Install CPU, cooler, memory, and M.2 drive onto the motherboard
-Attach motherboard to the tray and plug in the PCIe riser
-4x round head 4 mm M3 screws

-Screw in the PCIe riser on the opposite side and connect the graphics card.
-2x round head 4 mm M3 screws

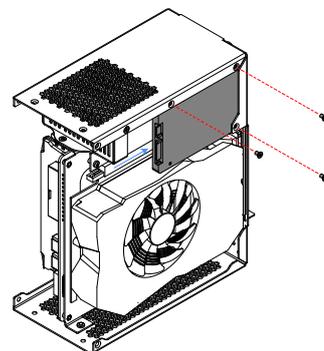
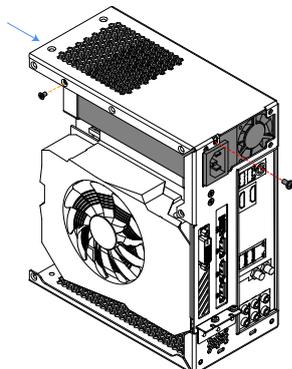
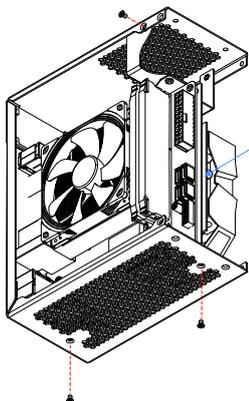
-Screw in the PCIe riser on the opposite side and connect the graphics card.
-2x round head 4 mm M3 screws (graphics card)
-2x countersunk 5 mm M3 screws (panel)



-Screw in middle subassembly with all components at the bottom and on the left side. Only screw in the right screw after installing the power supply.
-3x countersunk 5 mm M3 screws

-Slide in the power supply in the orientation shown and only attach it to the main body with the middle screw
-1x countersunk 5 mm M3 screw (side)
-1x 6-32 screw (PSU)

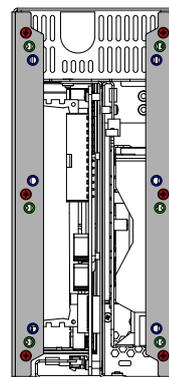
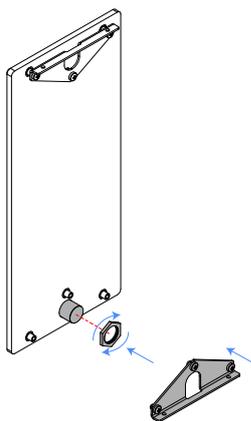
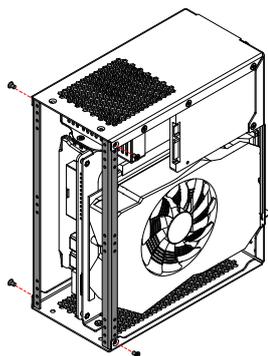
-Slide in the 2.5" drive from the front and secure it to the main body of the case.
-3x countersunk 5 mm M3 screws



-All cables must be plugged in before this step
-Complete the frame by installing the two struts in the front
-4x countersunk 5 mm M3 screws

-Temporarily remove bottom bracket to install button
-Use the hex nut to fix the button in place, then reinstall the bottom bracket
-Consult your motherboard manual for the front panel header pin layout. Plug the power button wires into the corresponding motherboard pins

-Power button must be plugged in
-Side panels have 3 positions. Flush mount: outermost positions for top and bottom screws and the middle position for the middle screw
-For quieter operation, use other mounting holes
-6x countersunk 5 mm M3 screws (front)
-3x round head 4 mm M3 screws, 2x 6-32 screw (rear)



-Slide in front panel while inserting the button's cable into the case. Screw in on top and bottom
-Reposition the brackets behind the front panel for a more loose fit
-Stick on the included adhesive rubber pads
-4x countersunk 5 mm M3 screws

