VELKA 3

Rev 2.0

USER MANUAL

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### SPECIFICATION

<table>
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<tr>
<th>Dimensions (L x W x H)</th>
<th>189 x 96 x 218 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>1.5 kg</td>
</tr>
<tr>
<td></td>
<td>With included power supply: 2.6 kg</td>
</tr>
<tr>
<td>Volume (liters)</td>
<td>3.9 L external, 3.7 L internal</td>
</tr>
<tr>
<td>Materials and finish</td>
<td>5 mm anodized and sandblasted aluminum front panel</td>
</tr>
<tr>
<td></td>
<td>1.2 mm powder-coated galvanized steel and stainless steel body</td>
</tr>
<tr>
<td></td>
<td>1.0 mm powder-coated galvanized steel side panels</td>
</tr>
<tr>
<td>I/O</td>
<td>Front: N/A</td>
</tr>
<tr>
<td></td>
<td>Top: N/A</td>
</tr>
<tr>
<td></td>
<td>Rear: Motherboard, graphics</td>
</tr>
<tr>
<td>Security</td>
<td>Kensington Lock Slot</td>
</tr>
<tr>
<td>PCIe riser</td>
<td>PCIe 3.0 x16</td>
</tr>
</tbody>
</table>
# HARDWARE COMPATIBILITY

<table>
<thead>
<tr>
<th>Component</th>
<th>Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motherboard</td>
<td>Mini ITX 170 x 170 mm</td>
</tr>
<tr>
<td>Power supply</td>
<td>ENP-7660B (optional) Replaceable with Flex ATX (150 mm)</td>
</tr>
<tr>
<td>CPU cooler</td>
<td>37 mm</td>
</tr>
<tr>
<td>Graphics card (L x W x H)</td>
<td>Maximum clearance, including cables. Cables require 16 mm if not recessed into the board.</td>
</tr>
<tr>
<td></td>
<td>175 x 43 x 148 mm</td>
</tr>
<tr>
<td></td>
<td>178 x 40 x 148 mm</td>
</tr>
<tr>
<td>Memory</td>
<td>42 mm</td>
</tr>
<tr>
<td>Storage</td>
<td>1x 2.5” HDD or SSD (7.0 mm thick)</td>
</tr>
<tr>
<td>Case fans</td>
<td>N/A</td>
</tr>
</tbody>
</table>
SUMMARY OF ASSEMBLY STEPS

Before starting assembly in the case, test all other components for functionality. If using a PCIe gen 4 graphics card and motherboard with the included PCIe gen 3 riser, the compatibility mode must be set to gen 3 in BIOS. Doing so will require performing the first boot with integrated graphics (if available) or with the graphics card plugged directly into the motherboard without a riser.

1. Install your CPU, CPU cooler, memory, and M.2 drive onto the motherboard, attach it to the tray
2. Insert riser into the PCIe slot, flip over the tray, install graphics card and screw in riser
3. Install IO shield and install that subassembly back into the main body of the case with the top PSU holder attached
4. Install power supply, 2.5” drive, attach all cables
5. Install front struts, install power button into the front panel and plug it in without installing the front panel, install side panels, then the front panel
DISASSEMBLY
It is recommended to work with the case on a soft surface such as the included foam until rubber feet are installed.
CPU, MEMORY, M.2 DRIVE, AND MOTHERBOARD INSTALLATION
Install the CPU, cooler, memory, and M.2 drive onto the motherboard. Attach the motherboard to the tray and plug in the included PCIe riser.

4x round head 5 mm M3 screws
GRAPHICS CARD

Screw in the PCIe riser on the opposite side and connect the graphics card.

Graphics card IO shield must be on the outside of the part highlighted in red as shown.

2x round head 5 mm M3 screws
INSTALLATION INTO THE MAIN BODY

Insert the subassembly from the previous step into the frame.

2x countersunk 5 mm M3 screws

2x round head 5 mm M3 screws
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.
POWER SUPPLY
Slide in the power supply in the orientation shown and only attach it to the main body with the middle screw. Screw in the last PSU holder screw only after installation, otherwise, the PSU may not slide in easily.

1x countersunk 5 mm M3 screw

1x round head 6 mm 6-32 screw
2.5” DRIVE (DEDICATED MOUNT)
Slide in the 2.5” drive from the front and secure it to the main body of the case. Connect all cables after this step.

3x countersunk 5 mm M3 screws
FRONT STRUTS
All cables must be plugged in before this step. Complete the main body by installing the two struts in the front.

4x countersunk 5 mm M3 screws
POWER BUTTON
Remove the bottom bracket temporarily to install the power 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 and plug in the power button before proceeding to the next step.

Button is enlarged for clarity. Hold the button from the opposite side and secure it using the nut without the rubber ring. This step will require some force.
SIDE PANELS
Power button cables must be plugged into the motherboard prior to this step.

The side panels have three positions. The further away the side panels are from the CPU and graphics card fan, the quieter the operation.

0 mm spacing
2 mm spacing (experimental)
4 mm spacing (experimental)

If using the experimental 2 or 4 mm spacing, adhesive rubber feet may be inserted between the side panel and main body to help keep the side panels straight.

6x countersunk 5 mm M3 screws
3x round head 6 mm 6-32 screws

2x round head 5 mm M3 screws
FRONT PANEL
Slide in the front panel while carefully inserting the power button’s cable into the case. Secure the front panel to the frame at the bottom and the top.
Install the included rubber feet after this step.

4x countersunk 5 mm M3 screws