Jonsbo N10

JONSBO N10 Mini ITX PC Case Instruction Manual

Model: N10

1. PRODUCT OVERVIEW

The JONSBO N10 is a compact Mini ITX PC case designed for small form factor (SFF) builds. It features an aluminum alloy shell with a sandblasted finish and North American walnut trim, offering both durability and aesthetic appeal. The case supports Mini ITX motherboards and 1U FLEX power supplies up to 150mm in length. Its design allows for flexible placement in both standing and lying positions.

Image 1.1: The JONSBO N10 Mini ITX PC Case in a typical desktop setup, showcasing its compact size and design.

Image 1.2: The JONSBO N10 case positioned on a desk, highlighting its small footprint and integration into a workspace.

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Key Features:

- **Compact Design:** Portable capacity of approximately 4.5L, suitable for small spaces.
- **Premium Materials:** Constructed from aluminum alloy with a sandblasted finish and North American walnut trim.
- **Flexible Placement:** Can be used in both standing and lying orientations.
- **Efficient Cooling:** Features a multi-component perforated design for enhanced heat dissipation and improved airflow. Includes two 5000 RPM 40mm high-speed fans for auxiliary hard drive cooling.
- **Storage Support:** Accommodates up to four 2.5-inch SSDs.
- **Power Supply Compatibility:** Supports 1U FLEX power supplies with a maximum length of 150mm.
- **Easy Maintenance:** The upper cover is equipped with an easy-to-pull handle for convenient disassembly and maintenance.
- **Front I/O:** Includes a USB 3.2 Gen 2 Type-C port.
- **Radiator Support:** Compatible with air coolers up to 38mm in height.

2. SETUP AND INSTALLATION

This section provides general guidelines for installing components into your JONSBO N10 PC case. Always refer to the specific manuals for your motherboard, power supply, and other components for detailed instructions.

2.1 Case Disassembly

To begin installation, the case needs to be opened. The JONSBO N10 features a quick-release design for the top plate, allowing for easy access to the internal components.

1. Locate the easy-to-pull handle on the upper cover.
2. Gently pull the handle to release the top cover.
3. Remove the top cover to access the interior of the chassis.

Tool Free Activation

The upper cover is equipped with an easy to pull handle, making disassembly and maintenance convenient

Image 2.1: The JONSBO N10 case with its top panel lifted, demonstrating the tool-free access for installation and maintenance.

2.2 Motherboard Installation

The JONSBO N10 is compatible with Mini ITX motherboards. Install your motherboard into the designated area within the chassis, securing it with the appropriate screws.

Image 2.2: Internal view of the JONSBO N10 case showing a Mini ITX motherboard and CPU cooler installed.

2.3 Power Supply Installation

The case supports 1U FLEX power supplies with a maximum length of 150mm. The power supply is typically installed from the bottom of the chassis.

1. Orient the 1U FLEX power supply correctly.
2. Slide the power supply into its designated slot from the bottom of the case.
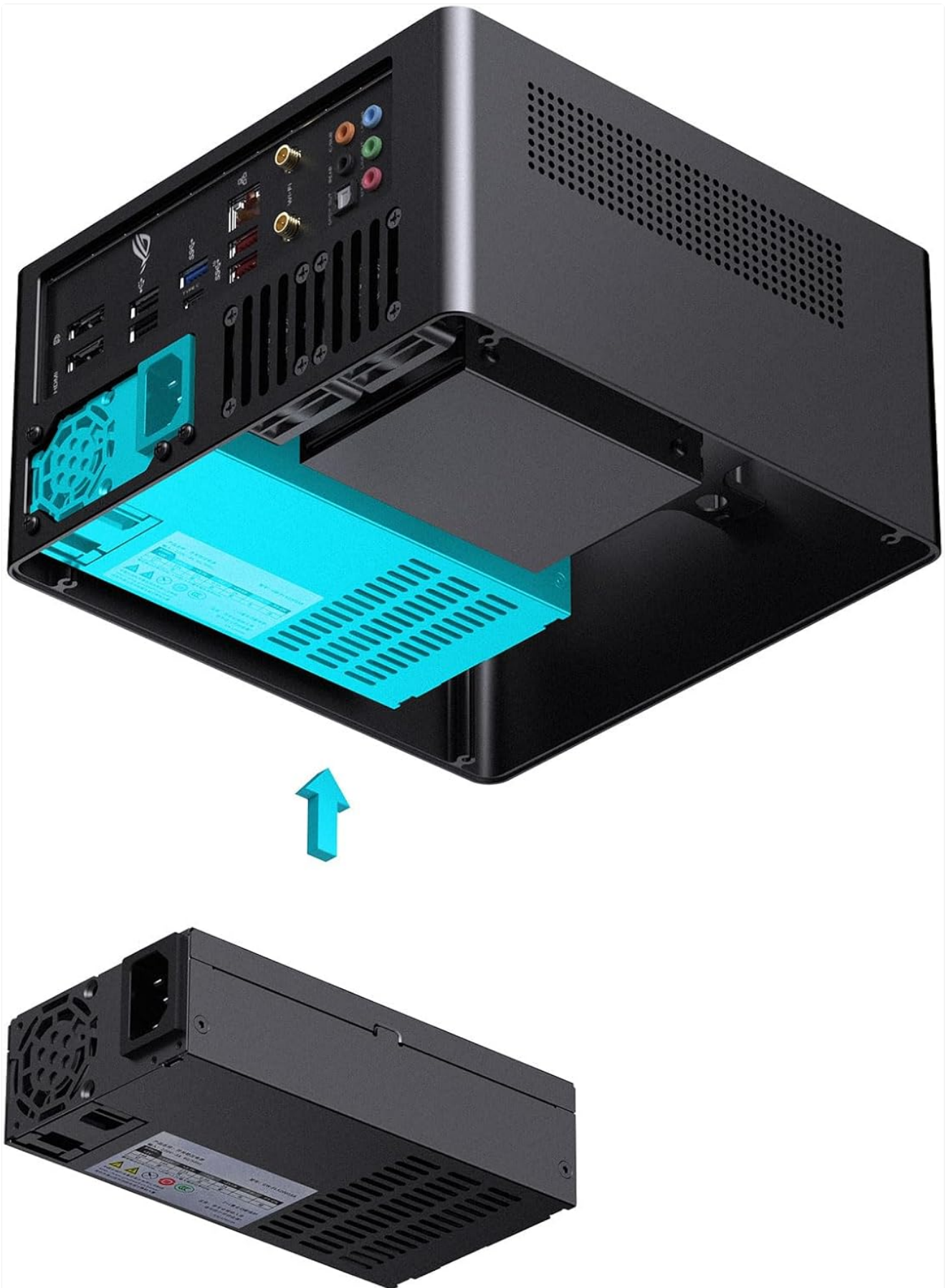3. Secure the power supply using the provided screws.

Image 2.3: Diagram illustrating the installation process of a 1U FLEX power supply into the JONSBO N10 case from the bottom.

2.4 Storage Device Installation

The JONSBO N10 provides support for up to four 2.5-inch SSDs. A dedicated bracket is used for mounting these drives.

1. Attach the 2.5-inch SSDs to the provided storage bracket.
2. Slide the filled bracket into its designated position within the chassis.
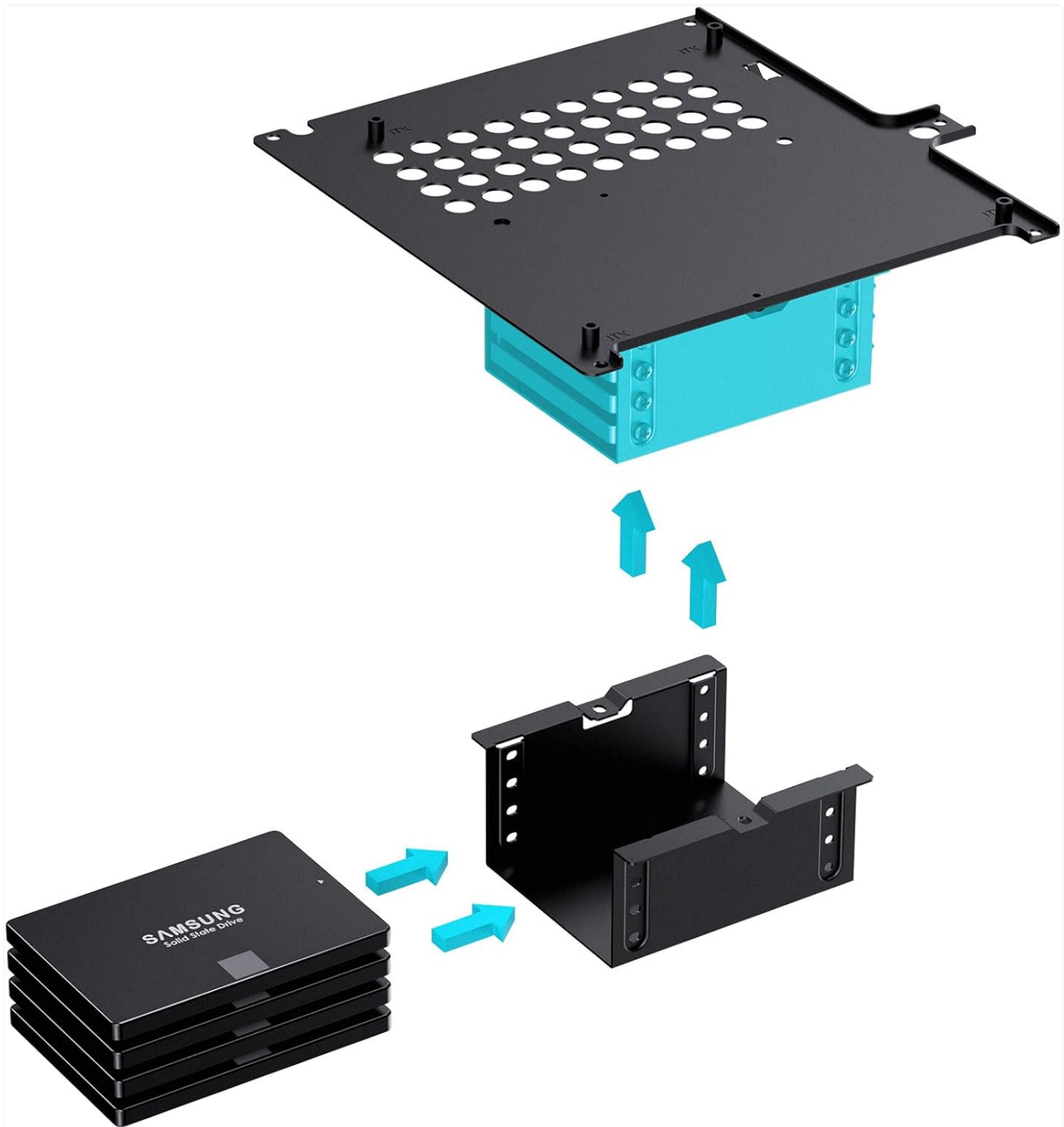3. Ensure the bracket is securely fastened.

Image 2.4: Diagram demonstrating the installation of 2.5-inch SSDs into the JONSBO N10 case using a dedicated bracket.

2.5 Fan Installation

The N10 case includes two 40mm high-speed fans for auxiliary hard drive cooling, located at the rear window. Ensure these fans are properly connected to your motherboard's fan headers.

		Independent GPU Positio	Chassis Fan Position	Chassis Hard Drive Position
NV10		Supports a 190mm Low-Profile	\	\
N10		\	Standard with 4020 fan x2	2.5" SSDx4

Image 2.5: Rear view of the JONSBO N10 case, highlighting the placement of the two 40mm fans for hard drive cooling.

3. OPERATING INSTRUCTIONS

Once all components are installed and the case is reassembled, you can begin operating your PC.

1. Connect all necessary external peripherals (monitor, keyboard, mouse, etc.) to the motherboard's I/O ports.
2. Connect the power cable to the power supply unit and then to a wall outlet.
3. Press the power button located on the front panel of the case to turn on your PC.
4. Utilize the front USB 3.2 Gen 2 Type-C port for connecting compatible devices.

Explanation of Differences between NV10 and N10

		Independent GPU slot	Case Fan	Case Hard Drive Bay
NV10		Supports Low-Profile: L190mm	\	\
N10		\	Standard with 2x4020 Fans	2.5" SSD*4

Image 3.1: Front view of the JONSBO N10 case, showing the walnut trim and the front I/O port.

4. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your PC components.

4.1 Cleaning

- **Exterior:** Wipe the aluminum alloy and walnut surfaces with a soft, dry cloth. Avoid abrasive cleaners.
- **Interior:** Periodically open the case (refer to Section 2.1) and use compressed air to remove dust buildup from fans, heatsinks, and other components. Ensure the PC is powered off and unplugged before cleaning the interior.
- **Ventilation Holes:** The perforated design allows for good airflow. Keep these holes clear of obstructions and dust.

Image 4.1: Various views of the JONSBO N10 case highlighting the perforated panels designed for optimal heat dissipation and airflow.

4.2 Fan Check

Ensure the two 40mm fans are free from dust and spinning correctly to maintain adequate cooling for your hard drives.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your PC case.

5.1 PC Does Not Power On

- **Power Cable:** Ensure the power cable is securely connected to both the power supply and the wall outlet.
- **Power Supply Switch:** Verify that the power switch on the power supply unit is in the "ON" position.
- **Front Panel Connectors:** Check that the power button and other front panel connectors are correctly attached to the motherboard.
- **Internal Connections:** Confirm all internal power cables (24-pin ATX, CPU power, etc.) are firmly seated.

5.2 Overheating Issues

- **Airflow:** Ensure the case's ventilation holes are not obstructed.
- **Fans:** Verify that all case fans and CPU cooler fans are spinning correctly. Clean any dust buildup.
- **Component Compatibility:** Ensure your CPU cooler height is within the 38mm limit to allow for proper airflow.

6. SPECIFICATIONS

Feature	Specification
Product Size	205mm(W) x 205mm(D) x 108mm(H)
Material	3.3mm Aluminum Alloy + 1.0mm Steel Plate
Hard Drive Bay	4 x 2.5" SSD
Motherboard Compatibility	Mini ITX
Front I/O Port	USB 3.2 Gen 2 Type-C x 1
PSU Support	1U FLEX power supply (max length 150mm)
Radiator Support (Air Cooler)	≤ 38mm height
Fans	2 x 40mm (5000 rpm ± 10%) (standard)
Chassis Weight (N.W.)	1.6 KGS

Image 6.1: Diagram illustrating the dimensions of the JONSBO N10 Mini ITX PC Case.

Heat dissipation ventilation hole

Multi component perforated design enhances heat dissipation/improves airflow circulation

Image 6.2: Detailed product information table for the JONSBO N10 case, including dimensions, materials, and component support.

7. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact JONSBO customer service or visit

the official JONSBO website. Keep your purchase receipt as proof of purchase for warranty claims.

JONSBO Official Website: www.jonsbo.com