Jonsbo N6
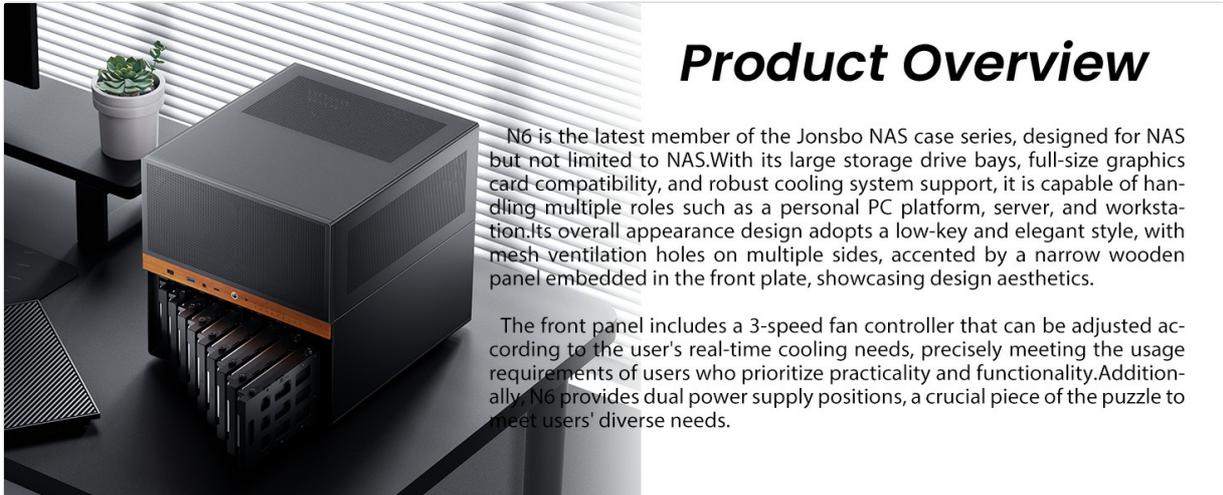
JONSBO N6 Micro ATX NAS Case Instruction Manual

Brand: Jonsbo | Model: N6

1. PRODUCT OVERVIEW

The JONSBO N6 is a versatile Micro ATX NAS case designed for home server, NAS network storage, and high-performance computing applications. It features a robust design with extensive storage options and flexible power supply configurations, complemented by a North American black walnut veneer for aesthetic appeal.

Product Overview

N6 is the latest member of the Jonsbo NAS case series, designed for NAS but not limited to NAS.With its large storage drive bays, full-size graphics card compatibility, and robust cooling system support, it is capable of handling multiple roles such as a personal PC platform, server, and workstation.Its overall appearance design adopts a low-key and elegant style, with mesh ventilation holes on multiple sides, accented by a narrow wooden panel embedded in the front plate, showcasing design aesthetics.

The front panel includes a 3-speed fan controller that can be adjusted according to the user's real-time cooling needs, precisely meeting the usage requirements of users who prioritize practicality and functionality.Additionally, N6 provides dual power supply positions, a crucial piece of the puzzle to meet users' diverse needs.

Image: Overview of the JONSBO N6 NAS Case, highlighting its compact design and functionality.

2. KEY FEATURES

- **9 Drive Bays:** Supports 9 x 3.5" HDD/SSD with hot-swap functionality.

- **Power Supply Flexibility:** Compatible with ATX (up to 220mm) and SFX (up to 100mm) power supply units, with multiple installation positions.

- **Motherboard Compatibility:** Supports ITX and Micro-ATX motherboards.

- **GPU Support:** Accommodates graphics cards up to 320mm in length (275mm with front AIO/fan).

- **Cooling System:** Multiple fan mounting positions (front, rear, left, right, hard drive bay) and support for 240mm AIO. Includes 2 pre-installed 120mm fans for hard drive cooling.

- **Front Interface:** USB 3.2 Gen2 Type-C x1, USB 3.0 x1 (Audio x1 + Mic x1 2-in-1).

- **Solid Wood Decoration:** Features North American black walnut veneer for aesthetic appeal.

3. SETUP AND INSTALLATION

3.1. Hard Drive Installation

The JONSBO N6 features 9 hot-swappable drive bays for 3.5-inch HDDs or 2.5-inch SSDs. Follow these steps to install your drives:

1. Remove the front panel to access the drive bays.
2. Slide each hard drive into an available bay until it clicks into place.
3. Secure the hard drives using the provided screws.
4. Connect the SATA power cables from your power supply to each drive. Ensure proper power distribution, especially for enterprise-level drives (see section 5.1).
5. Connect the SATA data cables from each drive to your motherboard.
6. Organize cables using cable ties for better airflow and aesthetics.

Image: Front view of the JONSBO N6, showing the 9 hot-swappable drive bays.

Image: Detailed view of the server-level hot-swappable backplane with SATA power and data connectors.

Video: Hard Drive Installation Example

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Video: This video demonstrates the installation of hard drives into a chassis with similar drive cage mechanisms, including securing drives and connecting SATA power and data cables. While the specific case may differ, the general principles apply to the JONSBO N6.

3.2. Power Supply Installation

The N6 supports both ATX and SFX power supplies. Choose the appropriate mounting position based on your PSU size and other components.

Image: Illustrates various power supply installation positions within the JONSBO N6 case, supporting both ATX and SFX units.

Video: Power Supply Installation Example

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Video: This video provides an introduction to installing components, including the power supply, in a NAS chassis. The general steps for mounting and connecting the power supply are applicable.

3.3. Motherboard and Component Installation

Install your ITX or Micro-ATX motherboard, CPU, CPU cooler, and GPU according to standard PC building practices. Ensure component dimensions are within the case's limits.

Image: Internal view of the JONSBO N6 case, showing the layout for motherboard, CPU, and other components.

Video: Motherboard and CPU Installation Example

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Video: This video demonstrates the installation process for a motherboard and CPU in a similar NAS case. Follow these general steps for your JONSBO N6.

4. COOLING SYSTEM

The JONSBO N6 offers extensive cooling options to maintain optimal system temperatures. It includes two pre-installed 120mm fans for hard drive cooling.

- **Front:** Supports 2 x 120mm or 2 x 140mm fans.
- **Rear:** Supports 1 x 120mm fan.
- **Left Side:** Supports 2 x 120mm fans.
- **Right Side:** Supports 2 x 120mm fans.
- **Hard Drive Bay:** 2 x 120mm fans (built-in).

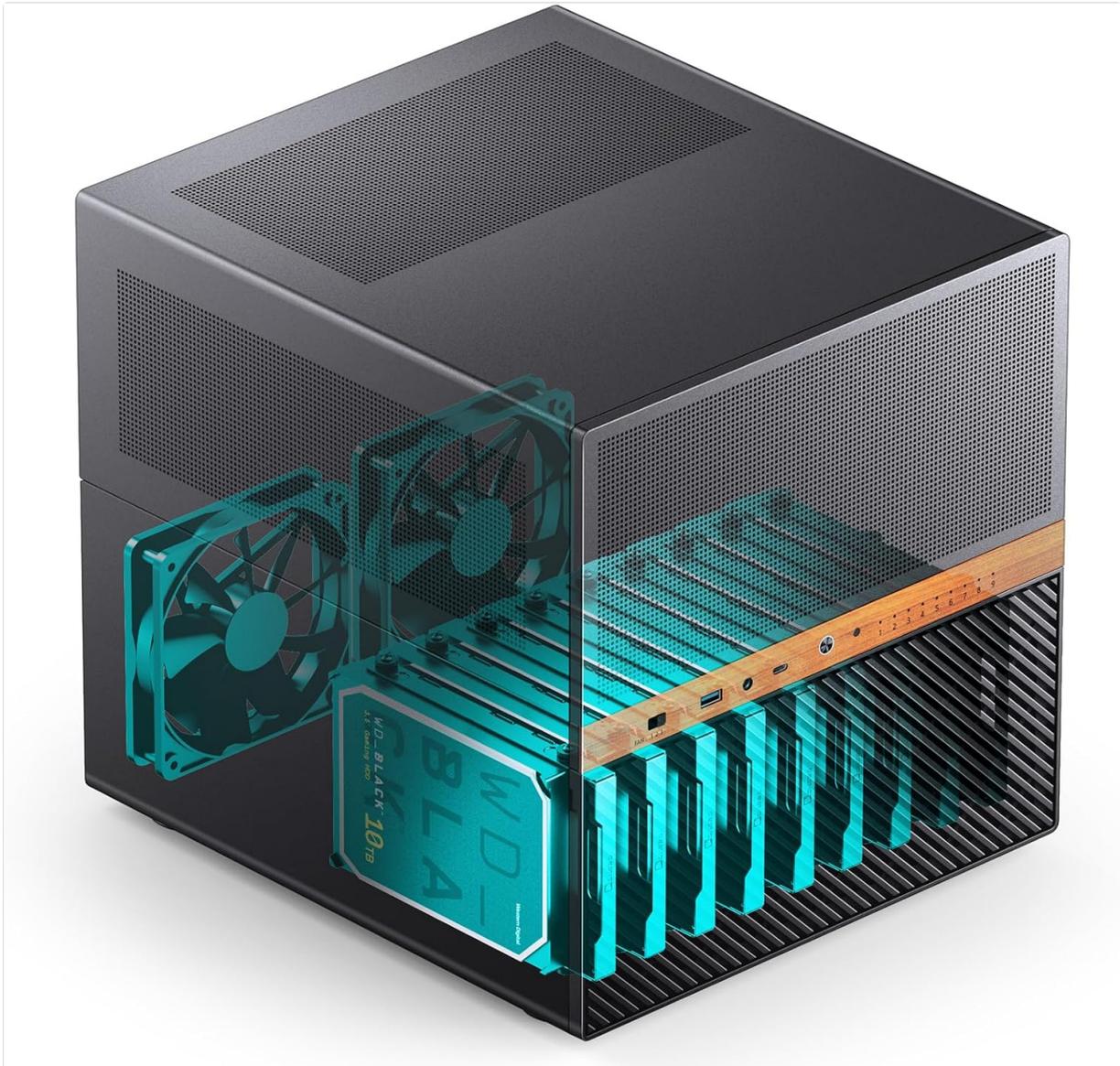- **AIO Support:** Supports 240mm All-In-One liquid coolers.

Image: Diagram illustrating the various fan mounting positions and airflow paths within the JONSBO N6 case for effective cooling.

5. IMPORTANT PRECAUTIONS

5.1. Backplane Power Supply Interface

The backplane has 4 power supply interfaces (2 x PATA, 2 x SATA). For standard home-level mechanical hard drives (SATA/SAS), connecting 3 power supplies is typically sufficient as their startup current is around 1A to 2.5A. For enterprise-level hard drives, which have higher startup currents, it is recommended to connect all 4 power interfaces. Always refer to the parameter specifications of your power supply and hard drives; insufficient current may prevent hard drives from starting correctly.
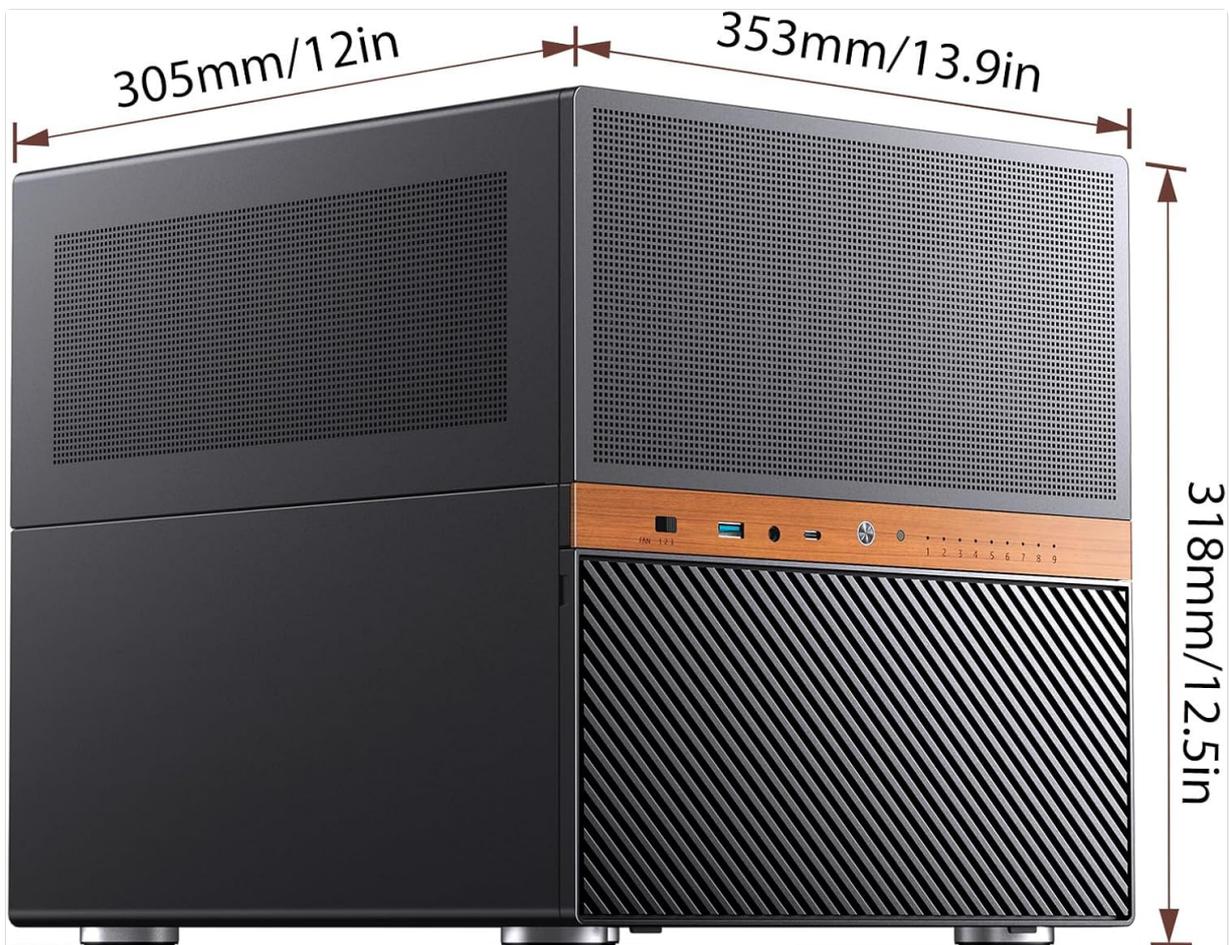
5.2. Backplane Power Supply Line

Only one power interface is allowed to be inserted into the back panel on a single ATX-4Pin or SATA power cable. Do not connect multiple power plugs to the back panel simultaneously using a single power cable.

6. SPECIFICATIONS

Feature	Detail

Product Dimensions (W*D*H)	305mm x 353mm x 318mm (Includes 6mm tall base)
Material	0.7mm + 1.0mm Steel, Wood
Hard Disk Capacity	9 x 2.5" SSD or 9 x 3.5" HDD
Compatible Motherboard	ITX / M-ATX
PCI Expansion Slots	4 slots
Front I/O	USB 3.2 Gen2 Type-C x1, USB 3.0 x1 (Audio x1 + Mic x1 2-in-1)
PSU Support	ATX ≤ 220mm / SFX ≤ 100mm
CPU Cooler Support	≤ 65-160mm (Supports dual power mode)
GPU Support	≤ 275mm-320mm
Cooling System Fan Positions	Front 120mm*2 or 140mm*2 / Rear 120mm*1 / Left 120mm*2 / Right 120mm*2 / Hard drive bay 120mm*2 (built-in)
Speed Controller	3-Port/3-Speed Fan Speed Controller (Standard Specification)
AIO Support	240mm
Net Weight	7.5kg

Note: If product standard parameters differ from the actual product due to product upgrades or other reasons, please take the actual product as the standard

Image: Detailed dimensions of the JONSBO N6 NAS Case.

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Jonsbo website or contact your retailer. Keep your purchase receipt for warranty claims.