MSI 306-7G23A21-809

MSI MAG Forge 120A Airflow Premium Gaming PC Case

Model: 306-7G23A21-809 | Brand: MSI

1. Introduction

The MSI MAG Forge 120A Airflow is a meticulously designed PC case that combines aesthetics with performance, crafted for modern gamers and PC enthusiasts. This case is engineered for superior thermal performance, featuring a mesh front panel and a spacious interior layout that promotes unrestricted airflow, ensuring components remain cool during intensive use. It supports customization through MSI's Mystic Light Sync, offering 16.8 million colors and various lighting effects, with included ARGB fans and built-in LED strips on the front panel for synchronized lighting.



This image displays the MSI MAG Forge 120A Airflow PC case from a front-side angle, showcasing its mesh front panel, tempered glass side panel, and the pre-installed RGB fans illuminating the interior.

2. Key Features

- Equipped with premium quality system fans for optimized cooling and maximized performance.
- Features a magnetic dust filter on the top side for easy removal and cleaning.
- Supports installation of up to 8 system fans, providing comprehensive ventilation for enhanced system stability.
- Includes a premium-grade 4mm thick tempered glass side panel, ensuring durability and clear viewing of internal components.



This composite image highlights several key features of the MAG Forge 120A case: the top I/O panel with controls, the fine mesh front panel for airflow, the clear tempered glass side panel, and the easily removable magnetic dust filter on the top.

3. Setup and Installation

3.1 Component Compatibility

The MSI MAG Forge 120A Airflow case is designed to accommodate various motherboard form factors and cooling solutions.



This diagram illustrates the internal dimensions and mounting points within the MSI MAG Forge 120A case, indicating support for ITX, Micro-ATX, and ATX motherboard form factors. It also shows various locations for installing 120mm and 140mm fans or radiators.

3.2 General Installation Steps

1. **Prepare the Case:** Carefully open the side panel (tempered glass) by unscrewing the thumb screws.
2. **Install Motherboard:** Align your ITX, Micro-ATX, or ATX motherboard with the standoffs and secure it with screws.
3. **Install Components:** Install your CPU, RAM, GPU, and storage drives into their respective slots and bays.
4. **Cable Management:** Utilize the cable routing cutouts and tie-down points behind the motherboard tray to manage cables for improved airflow and aesthetics.
5. **Power Supply Installation:** Mount your power supply unit (PSU) in the dedicated shroud area.
6. **Fan/Radiator Installation:** Install additional fans or liquid cooling radiators as needed, utilizing the multiple mounting points available.
7. **Close Case:** Once all components are installed and cables are managed, reattach the side panels securely.

4. Operation

4.1 Front I/O Panel

The top I/O panel provides convenient access to essential controls and ports.



This image provides a detailed view of the top input/output panel of the MSI MAG Forge 120A case. It labels the LED On/Off button, USB 3.2 Gen 1 Type-A (5Gbps) ports, Audio-out/Mic-in jacks, Reset button, and Power button.

- **1. LED On/Off:** Controls the lighting of the pre-installed RGB fans and front panel LED strips.
- **2. USB 3.2 Gen 1 Type-A (5Gbps):** High-speed USB ports for connecting peripherals and external storage.
- **3. Audio-out** / **Mic-in:** 3.5mm jacks for connecting headphones, speakers, and microphones.
- **4. Reset:** Button to restart the computer.
- **5. Power:** Button to turn the computer on or off.

4.2 RGB Lighting Control

The pre-installed ARGB fans and front panel LED strips can be controlled via the LED On/Off button on the I/O panel or synchronized with other MSI components using MSI Mystic Light Sync software (if your motherboard supports it).

5. Maintenance

5.1 Dust Filter Cleaning

The MSI MAG Forge 120A features a magnetic dust filter on the top panel. Regularly clean this filter to maintain optimal airflow and prevent dust buildup inside the case.

- Gently lift the magnetic dust filter from the top of the case.
- Tap the filter to dislodge accumulated dust or use a soft brush/vacuum cleaner to remove dust.
- Place the clean filter back onto the top panel; its magnetic properties will secure it in place.

5.2 General Cleaning

For external surfaces, use a soft, damp cloth to wipe down the case. Avoid abrasive cleaners or solvents that may damage the finish or tempered glass.

6. Troubleshooting

- **No Power:** Ensure all power cables (24-pin ATX, 8-pin CPU, GPU power) are securely connected to the motherboard and components. Verify the PSU switch is in the 'On' position.
- **Fans Not Spinning:** Check fan headers are correctly connected to the motherboard. Ensure fan control settings in BIOS/UEFI are configured correctly.
- **RGB Lighting Issues:** Confirm RGB cables are properly connected to the motherboard's ARGB header or the included controller. If using software, ensure it is up-to-date and configured correctly.
- **USB Ports Not Working:** Verify the USB header cable from the front I/O panel is securely connected to the motherboard's USB header.
- **Audio Jacks Not Working:** Ensure the audio header cable from the front I/O panel is securely connected to the motherboard's audio header. Check audio drivers.

7. Technical Specifications

Feature	Specification
Brand	MSI
Series	MAG FORGE 120A AIRFLOW
Model Number	306-7G23A21-809
Colour	Black
Case Type	Mid Tower
Motherboard Compatibility	ITX, Micro-ATX, ATX
Product Dimensions (L x W x H)	411.6 x 49.8 x 21 cm (or 411mm x 210mm x 498mm)

Feature	Specification
Item Weight	5 kg
USB 2.0 Ports	2 (Note: Product description mentions USB 3.2 Gen 1 Type-A, please refer to the I/O panel image for accurate port types)
Tempered Glass	4mm Thick
Fan Support	Up to 8 system fans
Radiator Support	Up to 360mm



This image shows the external dimensions of the MSI MAG Forge 120A PC case, indicating a length of 411 mm, a width of 210 mm, and a height of 498 mm.

8. Warranty and Support

For detailed warranty information and technical support, please refer to the official MSI website or contact MSI customer service. Keep your proof of purchase for warranty claims. MSI provides support for product inquiries, troubleshooting, and service requests.
You can visit the official MSI support page or contact their regional service centers for assistance.

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