

darkFlash DS900

darkFlash DS900 ATX Mid-Tower PC Case User Manual

Model: DS900 | Brand: darkFlash

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your darkFlash DS900 ATX Mid-Tower PC Case. Designed for optimal performance and aesthetics, this case features a 270° panoramic tempered glass panel, pre-installed PWM ARGB fans, and high-speed connectivity. Please read this manual thoroughly before beginning installation to ensure proper setup and safe operation.



Figure 1: darkFlash DS900 ATX Mid-Tower PC Case (White)

2. PRODUCT FEATURES

- **Unobstructed View:** Experience this PC case's awe-inspiring 270° panoramic tempered glass panel. This exceptional design provides an expansive and clear view of your hardware and RGB lighting. The high-strength tempered glass ensures excellent clarity and durability.
- **Upgraded High-Speed I/O Panel:** The PC case features a high-speed I/O panel that offers USB 3.0 ports and a Type-C interface, providing lightning-fast connectivity options for seamless data transfer and device compatibility.
- **Optimal Cooling:** Equipped with four PWM ARGB fans, this computer case ensures optimal airflow and heat dissipation. It supports up to 10 fans and a 360mm radiator for efficient cooling.
- **Thoughtful Design:** Features magnetic dust filters at the top and front panel to reduce dust for keeping your components free from dust. Also includes an anti-slip bottom structure to prevent slipping or sliding on various surfaces.

- **Easy Installation:** With its user-friendly design, this darkFlash PC case makes installation a breeze. Enjoy hassle-free cable management and quick access to your components, making upgrades and maintenance effortless.

UPGRADED DESIGN



- High Light Transmittance



- Explosion-Proof Glass



- Screwless Disassembly on Three Sides

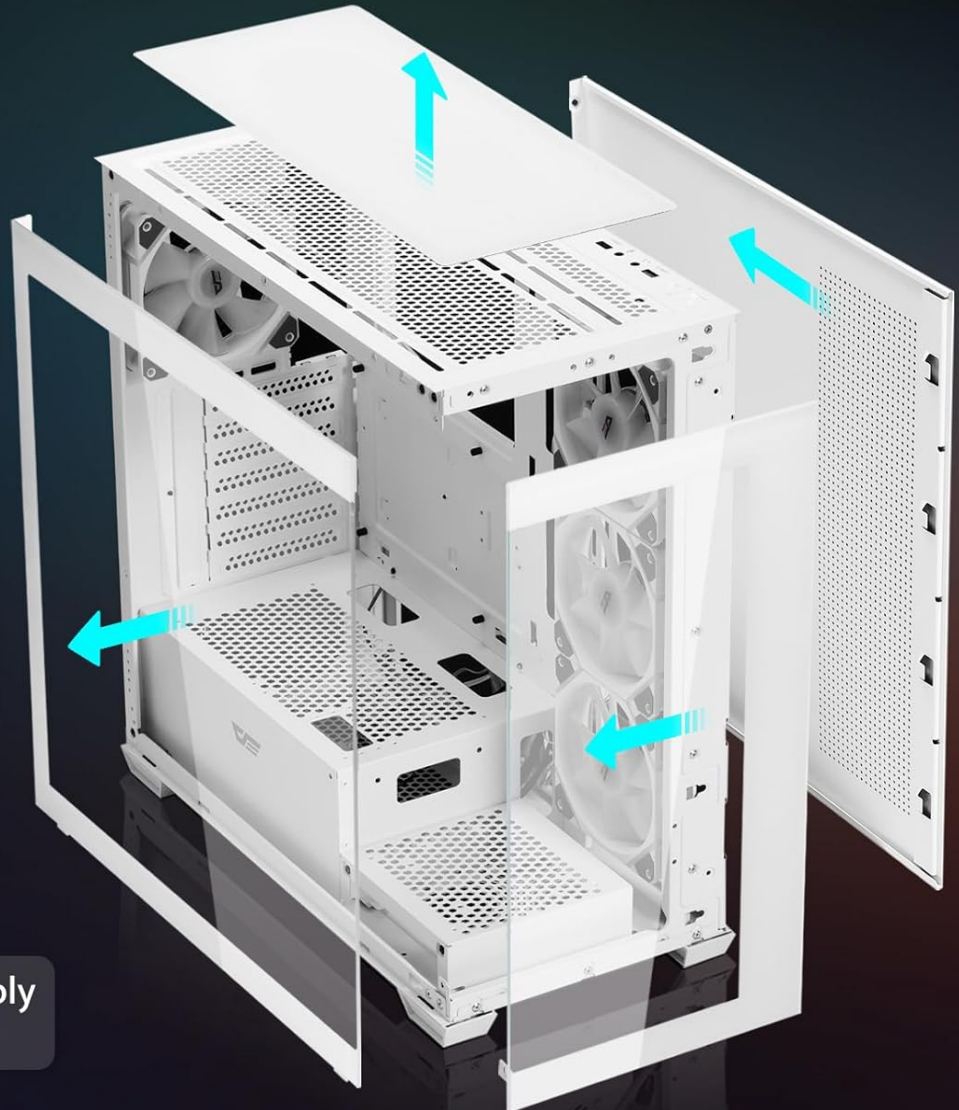


Figure 2: Upgraded Design with Screwless Disassembly on Three Sides

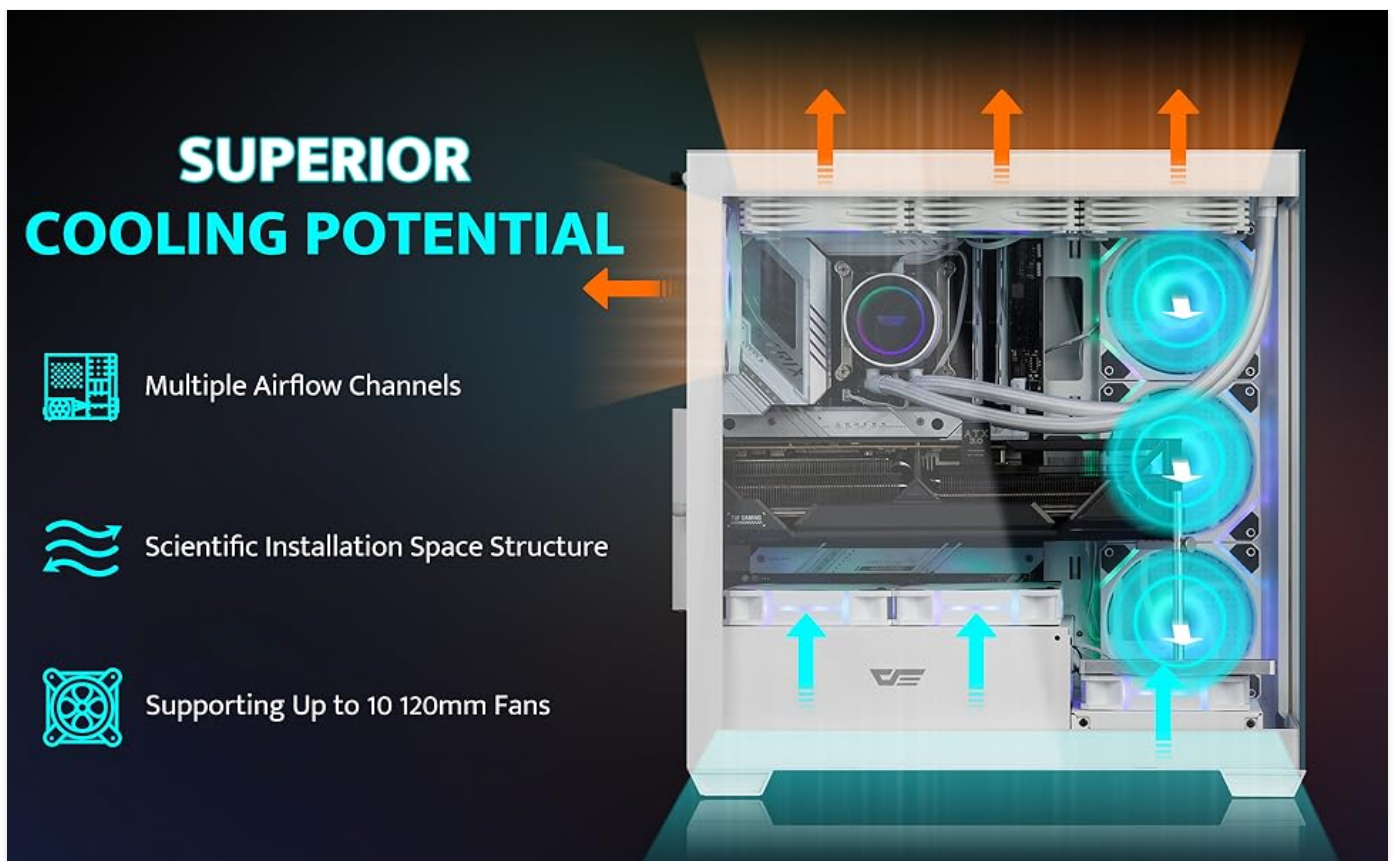


Figure 3: Superior Cooling Potential with Multiple Airflow Channels

3. SETUP AND INSTALLATION

3.1 Preparing the Case

Before installing components, ensure the case is placed on a stable, flat surface. Remove the tempered glass panels and side panels for easier access. The DS900 case features screwless disassembly on three sides for convenience.

3.2 Component Installation Guidelines

- **Motherboard:** The case supports ATX, M-ATX, and ITX motherboards. Install standoffs as required for your motherboard size.
- **CPU Cooler:** Accommodates CPU coolers up to 170mm in height.
- **Graphics Card (GPU):** Supports GPUs up to 425mm (16.7 inches) in length.
- **Storage Drives:**
 - One 2.5" SSD mount.
 - One 3.5" HDD or 2.5" SSD mount.
- **Power Supply Unit (PSU):** Bottom mount design for ATX PSUs.
- **Fans and Radiators:**
 - Pre-installed: Four 120mm PWM ARGB fans (three on the side, one in the rear).
 - Top: Supports up to 360mm radiator or three 120mm/two 140mm fans.
 - Rear: One 120mm fan.
 - Side: Three 120mm fans.
 - Bottom: Two 120mm fans.

SUPPORT 360MM RADIATOR

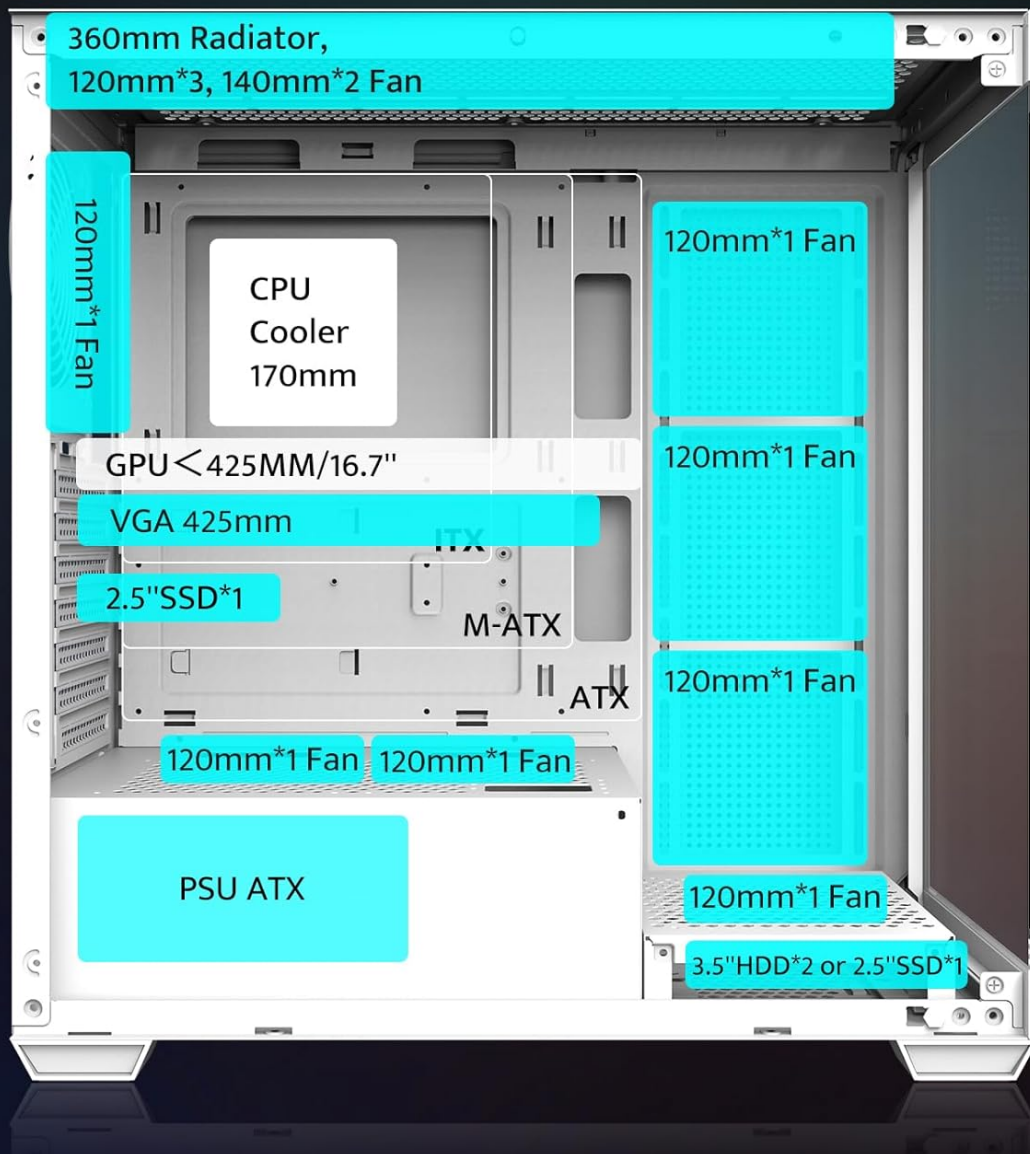


Figure 4: Internal Layout and Component Support

3.3 Cable Management

The DS900 case is designed with optimized cable assembly. Relocate the majority of cable connectors to the rear of the motherboard tray to conceal cables and improve airflow. Utilize the provided cable tie points for a clean build.

CABLE ASSEMBLY OPTIMIZATION

This elevates the cleanliness and aesthetics of the front, significantly simplifies cable management

By relocating the majority of cable connectors to the rear of the motherboard, darkFlash motherboards offer a solution where cables can be concealed



Figure 5: Cable Assembly Optimization

4. OPERATING INSTRUCTIONS

4.1 Front I/O Panel Functions

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

- **Power Button:** Initiates system power on/off.
- **Reset Button:** Restarts the system.
- **USB 3.0 Port:** For high-speed data transfer (up to 300MB/s).
- **USB 2.0 Port:** For standard data transfer (up to 40MB/s).
- **Type-C Port:** For ultra-fast data transfer (up to 1280MB/s) and modern device compatibility.
- **HD Audio Jacks:** Separate ports for microphone and headphones.
- **LED Button:** Controls the lighting modes of the pre-installed ARGB fans. *Note: An RGB Hub Controller is not included with the case. Lighting control depends on motherboard compatibility or an external controller.*

EXQUISITE TEXTURE HIGH SPEED IO PANEL

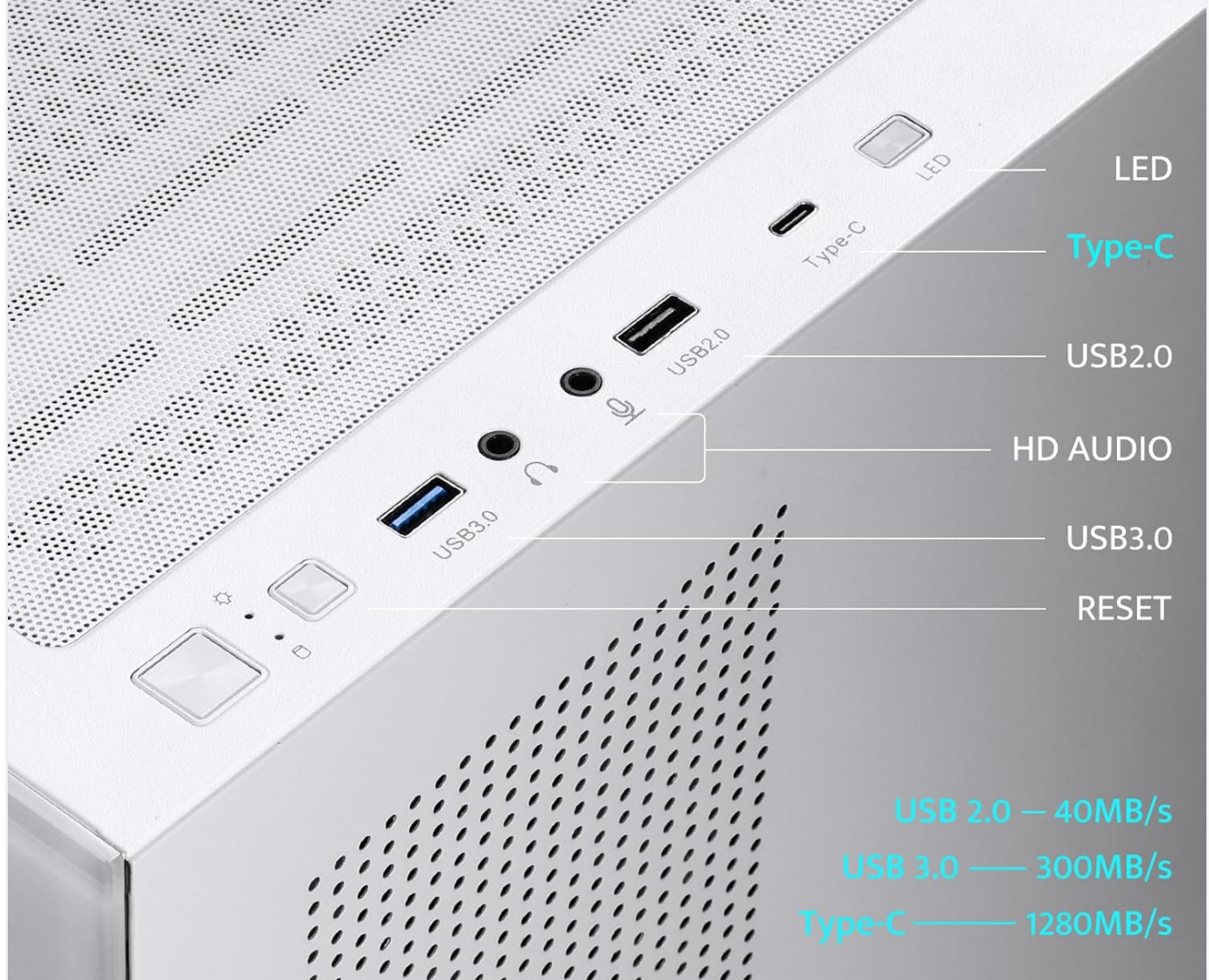
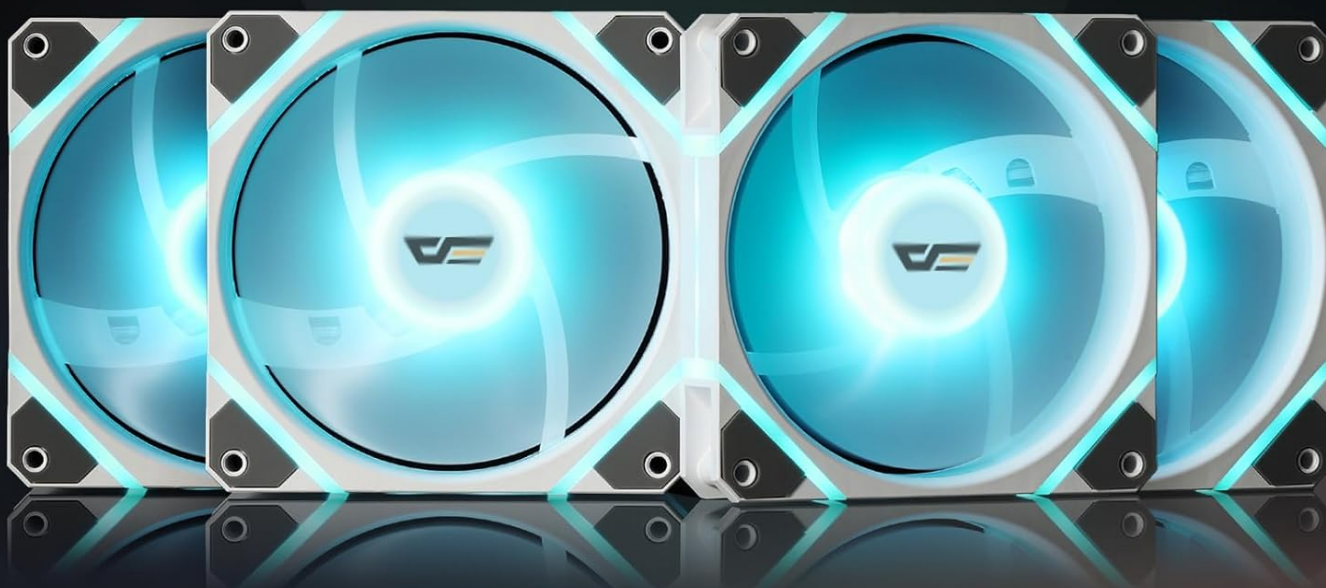


Figure 6: High-Speed I/O Panel

4.2 ARGB Fan Operation

The pre-installed PWM ARGB fans offer adjustable speed and rich light modes. These fans can synchronize with motherboard lighting software for integrated control. Ensure proper connection to your motherboard's ARGB header or a dedicated ARGB controller.

DARKFLASH PWM ARGB FANS PK ORDINARY FANS



FAN COMPARISON

Companion item	Fan type	PWM ARGB Fan	PWM Fan	ARGB Fan	RGB Fan
High Cost		✓	✗	✗	✗
Speed Adjustable		✓	✓	✗	✗
Rich Light MOde		✓	✗	✓	✗
MOBO Light Sync		✓	✗	✓	✗ (UNSURE)

Figure 7: darkFlash PWM ARGB Fan Features

5. MAINTENANCE

5.1 Dust Filter Cleaning

To maintain optimal airflow and prevent dust buildup, regularly clean the magnetic dust filters located on the top and front panels. These filters are easily removable for cleaning.



Figure 8: Magnetic Dust Filter

5.2 General Cleaning

Wipe down the exterior of the case, including the tempered glass panels, with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the finish or glass.

6. TROUBLESHOOTING

6.1 Fans Not Lighting Up

- Check if the ARGB fan cables are securely connected to the motherboard's ARGB header or a dedicated ARGB controller.
- Ensure your motherboard's ARGB software is installed and configured correctly.
- Verify that the LED button on the I/O panel is functioning or if an external controller is properly powered.

6.2 USB Ports Not Functioning

- Confirm that the USB 3.0, USB 2.0, and Type-C headers from the case are correctly plugged into the corresponding ports on your motherboard.
- Check your motherboard's BIOS settings to ensure USB ports are enabled.

6.3 Poor Airflow/Overheating

- Clean dust filters regularly as described in the Maintenance section.
- Ensure all fans are spinning correctly and are oriented for optimal airflow (intake/exhaust).
- Verify that internal cables are neatly managed and not obstructing airflow.

7. SPECIFICATIONS

Feature	Detail
Model Name	DS900
Case Type	Mid Tower
Motherboard Compatibility	ATX, M-ATX, ITX
Dimensions (L x W x H)	8.6 x 17.8 x 17 inches (218 x 454 x 434 mm)

Feature	Detail
Material	Metal, Tempered Glass
Color	White
Pre-installed Fans	4 x 120mm PWM ARGB Fans
Max Fan Support	Up to 10 x 120mm Fans
Radiator Support	Up to 360mm (Top)
Max CPU Cooler Height	170mm
Max GPU Length	425mm
Drive Bays	1 x 2.5" SSD, 1 x 3.5" HDD/2.5" SSD
Front I/O Ports	1 x USB 3.0, 1 x USB 2.0, 1 x Type-C, HD Audio, LED Control, Power, Reset
Item Weight	15 pounds

CREATE FOR VALUE & FUNCTION

The DF-DS900 Compact ATX Mid-Tower PC Gaming Case



Figure 9: Case Dimensions



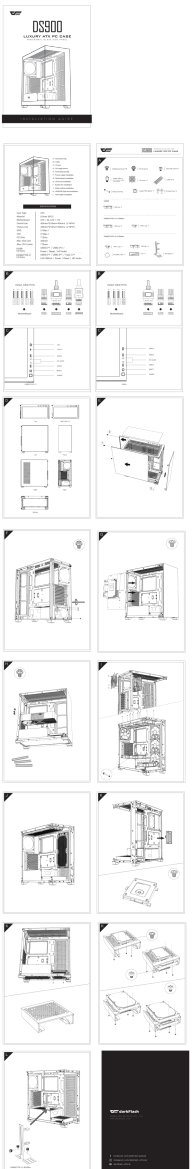
8. WARRANTY AND SUPPORT


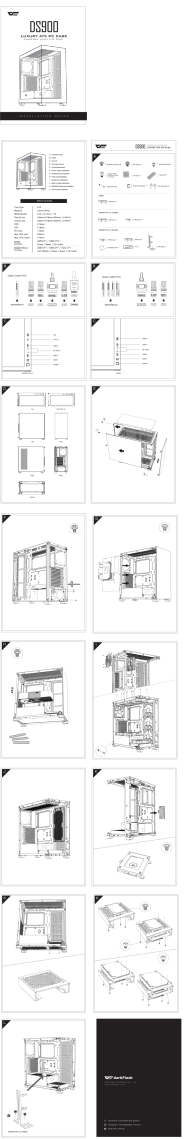

For warranty information, technical support, or any inquiries regarding your darkFlash DS900 PC Case, please contact darkFlash customer service. You can find contact details and further resources on the official darkFlash website or through your point of purchase.

Visit the official darkFlash store for more information: [darkFlash Store](#)

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Related Documents - DS900

	<p>darkFlash DS500 Luxury ATX Chassis - Specifications and Installation Guide</p> <p>Detailed specifications, clearances, and installation guide for the darkFlash DS500 Luxury ATX Chassis with Tempered Glass and Panoramic Glass. Includes accessory list, component compatibility, and mounting instructions.</p>
	<p>DarkFlash DLC 29 Full Mesh Luxury PC Chassis Installation Guide</p> <p>Comprehensive installation guide for the DarkFlash DLC 29 Full Mesh Luxury PC Chassis, detailing specifications, parts, and step-by-step assembly instructions for PC builders.</p>
	<p>DS900 Luxury ATX PC Case Installation Guide</p> <p>Comprehensive installation guide for the DS900 Luxury ATX PC Case by darkFlash, detailing component installation, features, and specifications.</p>

	<p>darkFlash C275P Luxury M-ATX PC Case Installation Guide</p> <p>This guide provides detailed instructions and specifications for installing components into the darkFlash C275P Luxury M-ATX PC Case, including clearances, fan and radiator support, and component installation steps.</p>
	<p>darkFlash DS900 Luxury ATX PC Case Installation Guide</p> <p>Detailed installation guide for the darkFlash DS900 Luxury ATX PC Case, featuring a panoramic glass side panel. Learn how to assemble your PC with this comprehensive manual.</p>
	<p>darkFlash DS500M Luxury M-ATX Chassis - Tempered Glass Computer Case Manual</p> <p>Detailed specifications, accessory list, and installation guide for the darkFlash DS500M M-ATX computer chassis featuring tempered glass and panoramic design.</p>