darkFlash DB460M

darkFlash DB460M Micro-ATX PC Gaming Case User Manual

Model: DB460M

1. INTRODUCTION

Welcome to the user manual for your darkFlash DB460M Micro-ATX PC Gaming Case. This manual provides essential information for the proper assembly, installation, operation, and maintenance of your new PC case. The DB460M is designed for high airflow and component compatibility, featuring a full-mesh front panel and a tool-free tempered glass side panel.

Image Description: A front-left perspective view of the darkFlash DB460M Micro-ATX PC Gaming Case in black. The case features a full-mesh front panel with vertical slats and a clear tempered glass side panel, showcasing the interior. The case stands on four feet.

2. SAFETY GUIDELINES

Please read and follow these safety instructions carefully before installing components into your PC case:

- Always disconnect the power supply from the wall outlet before performing any installation or maintenance.
- Wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to sensitive components.
- Handle components with care to avoid damage. Be aware of sharp edges inside the case.
- Keep small parts and screws away from children.
- Ensure proper ventilation around the assembled PC to prevent overheating.

3. PACKAGE CONTENTS

Verify that all the following items are included in your package:

- darkFlash DB460M Micro-ATX PC Gaming Case
- Accessory Box (containing screws, standoffs, cable ties, etc.)
- User Manual (this document)

4. TECHNICAL SPECIFICATIONS

The following table outlines the key specifications for the darkFlash DB460M case:

Feature	Specification
Brand	darkFlash
Model Name	DB460M
Motherboard Compatibility	Micro ATX
Case Type	Mid Tower
Material	Metal, Plastic, Tempered Glass
Drive Bays	2 x 3.5" HDD, 2 x 2.5" SSD
Expansion Slots	5
GPU Clearance	Up to 420mm
CPU Cooler Height	Up to 174mm
Radiator Support (Top)	Up to 360mm
I/O Ports	2 x USB 3.0, Audio (HD Audio/Mic), Power Button, Reset Button
Item Weight	13.29 pounds
Dimensions (L x W x H)	21.18 x 17.79 x 10.91 inches (Package)

Image Description: A comprehensive diagram illustrating the darkFlash DB460M case with various specifications highlighted. It shows the overall dimensions, motherboard compatibility (M-ATX), CPU cooler height (174mm), VGA length (420mm), and radiator/fan support configurations for the top, front, and rear panels.

5. SYSTEM ASSEMBLY GUIDE

Follow these steps to install your PC components into the darkFlash DB460M case.

5.1. Preparing the Case

1. Place the case on a stable, flat surface.
2. Open the tempered glass side panel. This case features a tool-free clamshell design; gently pull the panel open.

Image Description: A darkFlash DB460M PC case with its tempered glass side panel, revealing internal components such as a motherboard, CPU cooler, and fans, all illuminated with colorful RGB lighting. This image demonstrates the case's aesthetic potential and interior visibility.

5.2. Motherboard Installation

1. Install the I/O shield into the rear opening of the case (if not pre-installed on your motherboard).
2. Align your Micro-ATX motherboard with the pre-installed standoffs.
3. Secure the motherboard using the provided screws from the accessory kit.

5.3. Power Supply Unit (PSU) Installation

1. Position the PSU in the dedicated bottom-mount compartment.
2. Secure the PSU to the rear of the case using the provided screws.

5.4. Storage Drive Installation

The DB460M supports 2 x 3.5" HDDs and 2 x 2.5" SSDs.

- **3.5" HDDs:** Locate the drive cage beneath the PSU shroud. Slide the drives into the trays and secure them with screws.
- **2.5" SSDs:** Mount SSDs to the designated brackets on the motherboard tray or behind the PSU shroud, securing them with screws.

5.5. Graphics Processing Unit (GPU) Installation

1. Remove the necessary PCI-E slot covers from the rear of the case.
2. Insert your GPU into the appropriate PCI-E slot on the motherboard.
3. Secure the GPU with the provided screws. The case supports GPUs up to 420mm in length.

SUPPORTS ULTRA-LONG GPU

Spacious interior design easily accommodates GPU up to 420mm.

MAXIMUM LENGTH: 420MM

Image Description: A side view of the darkFlash DB460M PC case with a transparent overlay indicating a maximum GPU length of 420mm. This illustrates the spacious interior designed to accommodate large graphics cards.

GPU PCI SLOTS

4 standard PCIe slots, optimized to fit 5 slots height,
ensuring compatibility with high-performance GPU

Image Description: A rear-quarter view of the darkFlash DB460M PC case, highlighting the GPU PCI slots. The image shows the five standard PCI-E slots and the rear fan mount, indicating compatibility with high-performance GPUs.

5.6. Cooling System Installation

The DB460M offers extensive cooling options for optimal thermal performance.

- **Fan Support:** The case supports various fan configurations, including 120mm and 140mm fans. Refer to the diagram below for suggested placements.
- **Radiator Support:** A liquid cooling radiator up to 360mm can be installed at the top of the case.

SUPERIOR HEAT DISSIPATIVV ON

Supports up to 12 fans and 360mm A.I.O. for best temperature performance.

FAN SUPPORTS

140mm	120mm
4 PCS	12 PCS

FAN INSTALL SUGGESTION

Please install the fans as the suggestion to perform the best heat dissipation with our structure design.

Image Description: A diagram illustrating the fan support within the darkFlash DB460M case. It shows that the case supports up to 4 x 140mm fans or 12 x 120mm fans, with a suggestion for optimal fan installation for heat dissipation.

SUPPORT 360MM RADIATOR

Top : Supports up to 360mm radiator

UP TO **360MM** ON **TOP**

240/ 280/ 360mm Radiator, 120mm*3,140mm*2 Fan

120mm Radiator 120mm*1 Fan

120mm*3, 140mm*2 Fan

CPU Cooler 174mm

120mm*1 Fan

ITX

120mm*1 Fan

VGA 420 mm

M-ATX

120mm*1 Fan

120mm*1 Fan

120mm*1 Fan
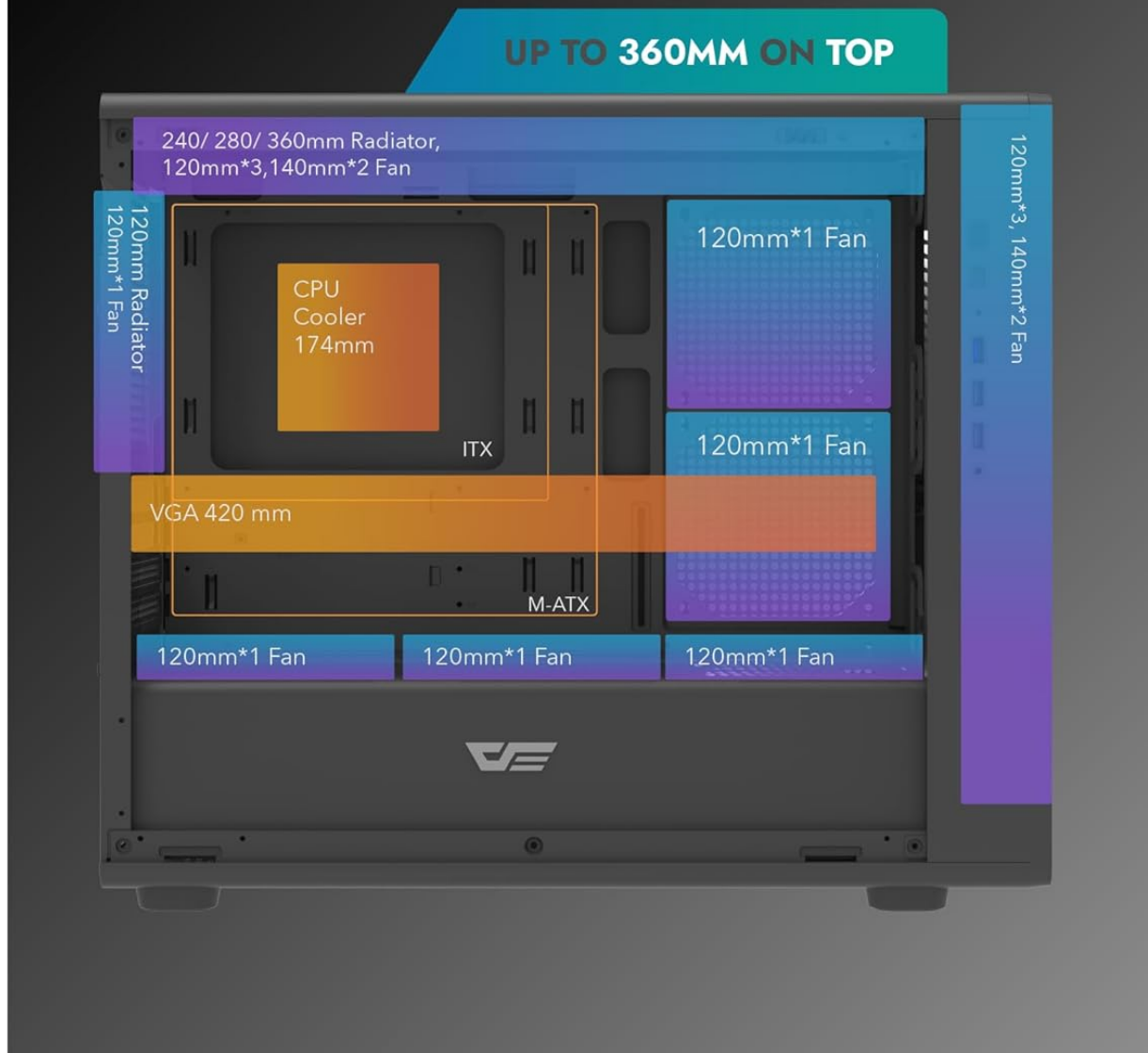
Image Description: A detailed internal diagram of the darkFlash DB460M case, highlighting the support for a 360mm radiator at the top. It also indicates clearances for CPU coolers (174mm) and VGA cards (420mm), along with various fan placements.
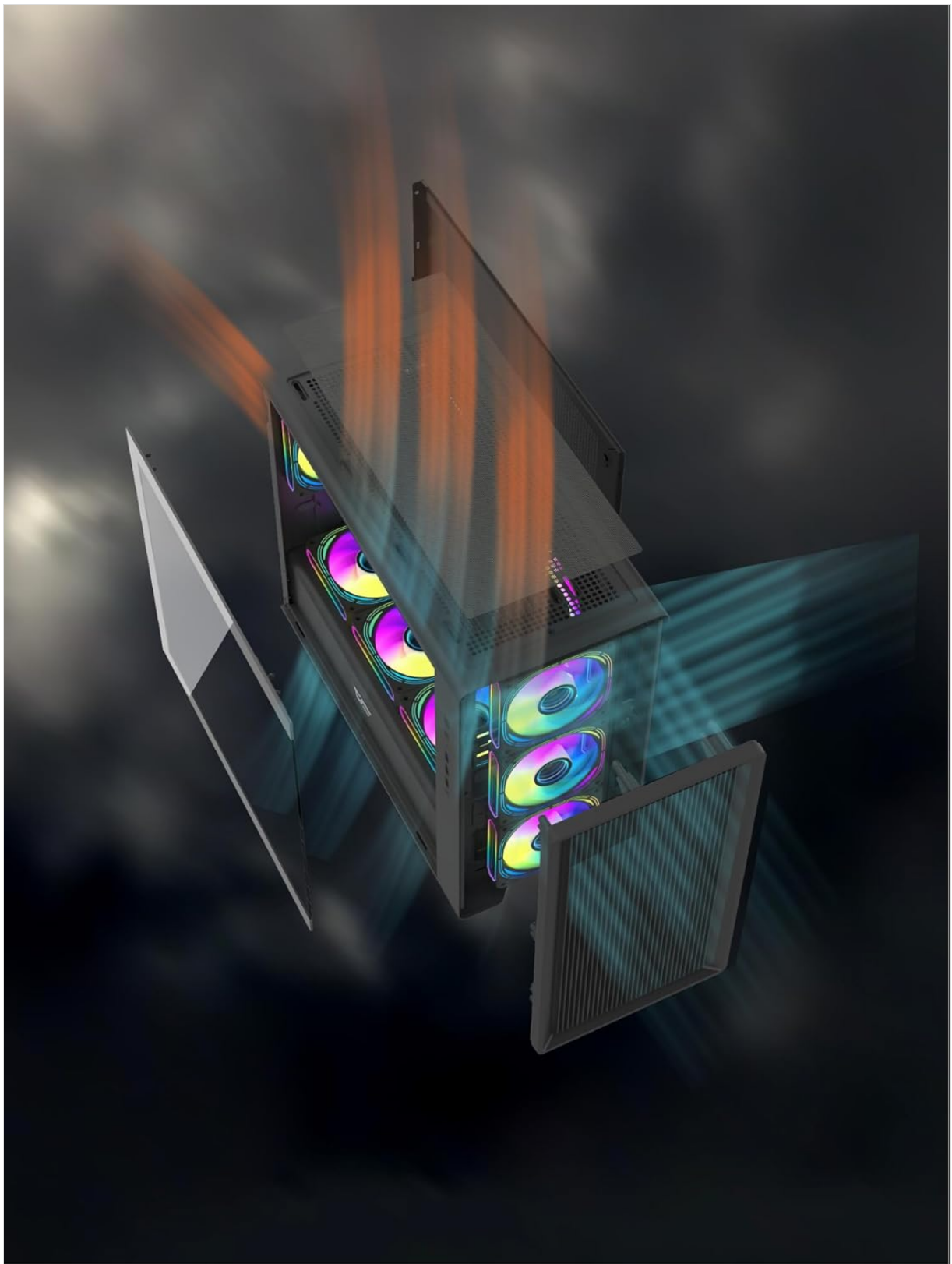
Image Description: An exploded isometric view of the darkFlash DB460M case, illustrating the airflow paths. Blue arrows indicate cool air intake from the front and bottom, while orange arrows show hot air exhaust from the top and rear, demonstrating the optimized cooling design.

5.7. Cable Management

Utilize the full-length PSU shroud and multiple cable routing channels behind the motherboard tray to achieve a clean and organized build. Secure cables with the provided cable ties.

5.8. Connecting Front Panel I/O

1. Connect the USB 3.0, HD Audio, Power, and Reset cables from the front panel to their respective

headers on your motherboard.

USB 3.0 READY

A connector of USB 3.0 is supported, offers fantastic charging speeds and data transfer rates.
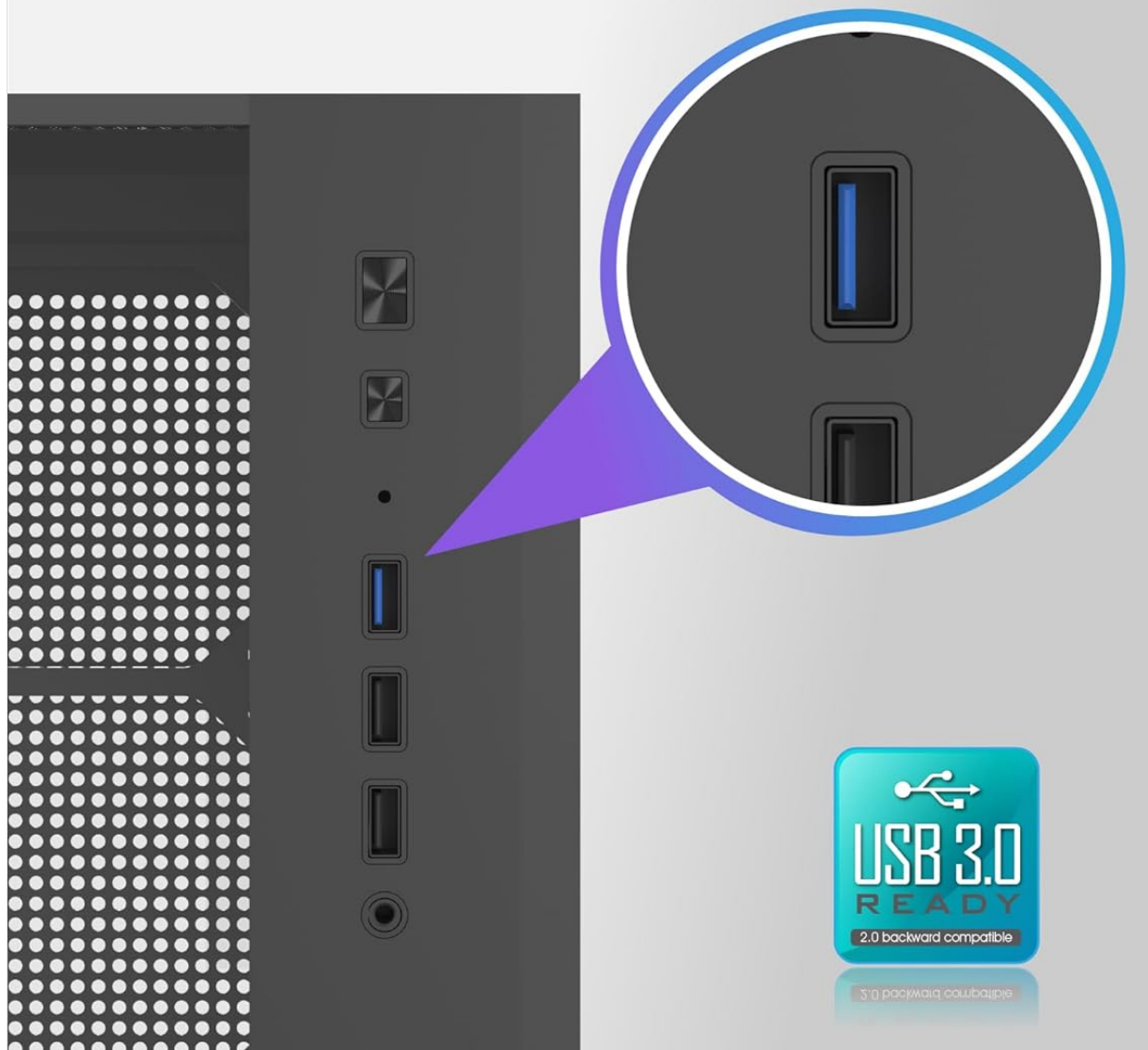
Image Description: A close-up view of the darkFlash DB460M's front panel I/O, specifically highlighting the USB 3.0 ports. The image emphasizes the presence of two USB 3.0 connectors, indicating support for high-speed data transfer.

6. GENERAL OPERATION

Once all components are installed and connected, close the tempered glass side panel. Connect your peripherals, monitor, and power cable. Press the power button on the front panel to start your system.

7. Care and Maintenance

To ensure the longevity and optimal performance of your darkFlash DB460M case, follow these maintenance tips:

- **Cleaning:** Use a soft, dry cloth to wipe down the exterior of the case. For the tempered glass panel, use a glass cleaner and a microfiber cloth.
- **Dust Filters:** Regularly check and clean the dust filters (if applicable) to maintain optimal airflow and prevent dust buildup inside the case.
- **Internal Cleaning:** Periodically open the case and use compressed air to remove dust from components and internal surfaces. Ensure the system is powered off and unplugged before cleaning.

8. Troubleshooting

If you encounter issues with your PC build, consider these common troubleshooting steps:

- **No Power:** Ensure the PSU is switched on, the power cable is securely connected, and all front panel power connectors are correctly attached to the motherboard.
- **Fans Not Spinning:** Check that all fan cables are properly connected to the motherboard or fan controller. Verify fan settings in BIOS/UEFI.
- **No Display:** Confirm that the monitor cable is connected to the graphics card (not the motherboard integrated graphics, unless intended) and that the GPU is fully seated and powered.
- **Overheating:** Ensure all fans are installed correctly and spinning in the right direction for optimal airflow. Clean dust filters and internal components.
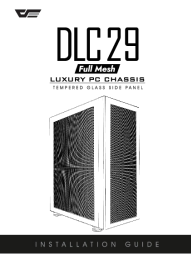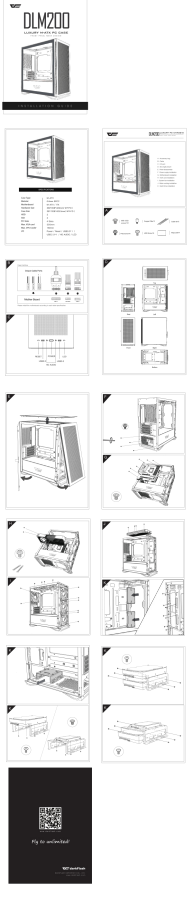
9. Warranty Information and Customer Support

darkFlash products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official darkFlash website. If you require technical assistance or have questions regarding your DB460M case, please contact darkFlash customer support through their official channels.

For further information and support, please visit the official darkFlash website:www.darkflash.com

Related Documents - DB460M

	darkFlash DS500 Luxury ATX Chassis - Specifications and Installation Guide 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.
	darkFlash C275P Luxury M-ATX PC Case Installation Guide 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.

	[DarkFlash DLC 29 Full Mesh Luxury PC Chassis Installation Guide](#) 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.
	[darkFlash DS500M Luxury M-ATX Chassis - Tempered Glass Computer Case Manual](#) Detailed specifications, accessory list, and installation guide for the darkFlash DS500M M-ATX computer chassis featuring tempered glass and panoramic design.
	[DarkFlash DRX70 PC Case User Manual - Specifications & Installation Guide](#) Comprehensive guide to the DarkFlash DRX70 PC case, covering specifications, included accessories, detailed installation steps for PC building, and warranty information. Essential reading for users.
	[Darkflash DLM200 Luxury M-ATX PC Case Installation Guide](#) Installation guide for the Darkflash DLM200 Luxury M-ATX PC Case, detailing specifications, component installation, and features like its front panel mesh design.