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> [darkFlash C280 E-ATX Full-Tower PC Gaming Case Instruction Manual](#)

## darkFlash C280

# darkFlash C280 E-ATX Full-Tower PC Gaming Case Instruction Manual

Model: C280 | Brand: darkFlash

## 1. INTRODUCTION

The darkFlash C280 is an E-ATX full-tower PC gaming case designed for high-performance builds. It features a 270° panoramic tempered glass display, offering an unobstructed view of internal components. This case supports a wide range of motherboard formats, including reverse/back-connect motherboards, and provides extensive cooling flexibility with support for up to 10 fans and 360mm radiator configurations. Its builder-friendly design includes tool-free access and efficient cable management options.

## 2. PACKAGE CONTENTS

Please verify all components are present upon unboxing:

- darkFlash C280 PC Case (Black)
- Accessory Kit (screws, standoffs, cable ties)
- User Manual
- ARGB Fan Controller & Remote (if included with specific model variant)
- Magnetic Dust Filters (pre-installed)

Your browser does not support the video tag.

Video: Overview of the darkFlash C280 E-ATX PC Gaming Case, demonstrating its features and design.

## 3. SPECIFICATIONS

Feature	Detail
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Model Name	C280 Black
Case Type	Full Tower
Motherboard Compatibility	E-ATX, ATX, Micro ATX, Mini ITX (including reverse/back-connect motherboards)
Dimensions (LxWxH)	443 x 277 x 426mm (17.44 x 10.91 x 16.77 inches)
Material	0.7mm SPCC Steel, Plastic, Tempered Glass
GPU Length Support	Up to 420mm
CPU Cooler Height Support	Up to 155mm
PSU Length Support	Up to 240mm
Fan Support	Up to 10x 120mm or 4x 140mm fans
Radiator Support	Up to 360mm configurations
Drive Bays	3x SSD + 2x HDD
I/O Ports	USB 3.0 x1, USB 2.0 x2, HD Audio/Mic, Power/Reset (Optional USB-C)

EXPANDABILITY

# EXCELLENT EXPANDABILITY

Spacious and clean interior design allows users to upgrade easily.

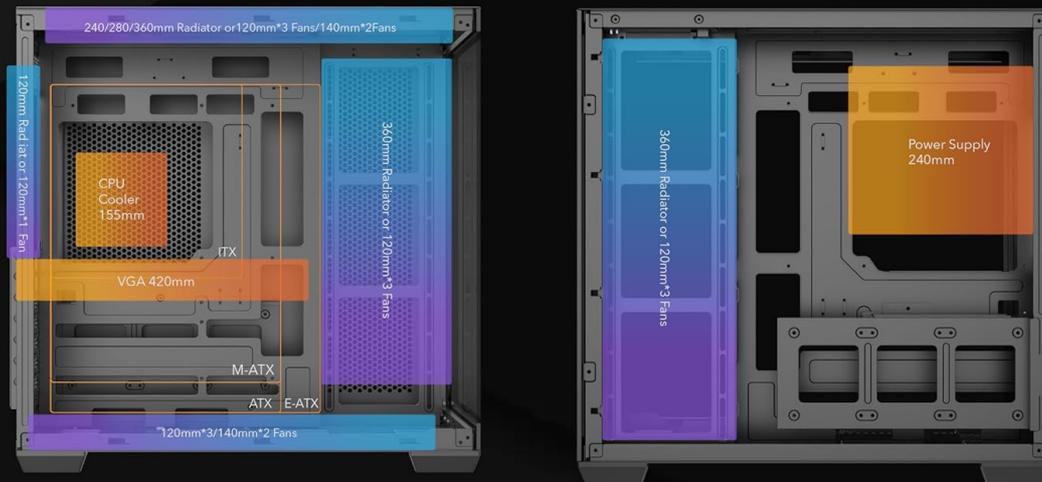


Image: Internal layout diagram illustrating motherboard, CPU cooler, and GPU length compatibility.

## 4. SETUP AND INSTALLATION

### 4.1. Panel Removal

The darkFlash C280 features tool-free side panels for easy access. Gently pull the tempered glass side panel from the top edge to detach it. Repeat for the steel side panel if necessary. Exercise caution when handling tempered glass.

MULTI-INTERFACE  
**USB 3.0 READY**

A connector of USB 3.0 is supported,  
offers fantastic charging speeds and data transfer rates (Optional Type-C).



Image: Illustration of removing the tempered glass side panel for internal access.

## 4.2. Motherboard Installation

Install your E-ATX, ATX, Micro ATX, or Mini ITX motherboard onto the pre-installed standoffs. Secure the motherboard with the provided screws. Ensure proper alignment with the I/O shield.

REVERSE-SLOT MOTHERBOARDS

# SUPPORTS REVERSE-SLOT MOTHERBOARDS

Supports ATX / M-ATX Back-insertion Motherboard Offering Unmatched Flexibility for Your Dream Build



Image: Motherboard installation area within the C280 chassis.

## 4.3. Component Installation

- **Graphics Card (GPU):** Install your GPU into the appropriate PCIe slot. The case supports GPUs up to 420mm in length. Vertical GPU mounting is supported, but may require a separate bracket (not included).
- **CPU Cooler:** Install your CPU cooler. The case accommodates CPU coolers up to 155mm in height.
- **Power Supply Unit (PSU):** Install the PSU in the designated bottom mount area. The case supports PSUs up to 240mm.
- **Storage Drives:** Utilize the 3x SSD and 2x HDD drive mounts.

HARD DISK ASSEMBLY

# MULTIFUNCTION BRACKET

Maximum compatibility  
S.S.D. x 3 pcs and H.D.D. x 2 pcs.



Image: Vertical GPU mounting option in the C280 case.

SUPPORTS VERTICAL

# SUPPORTS VERTICAL GPU MOUNTING

Support for Vertical GPU Installation: Unleash  
Space-Efficient & Visual Appeal



- "Step 1: Remove the bracket!  
(Unscrew the screws with a screwdriver)"
- "Step 2: Rotate the bracket!  
(Rotate and then fasten the corresponding screws back )
- "Step 3: Insert the graphics card!  
(Align with the slot and insert it)"
- "Step 4: Secure the screws!  
(Tighten the screws at the tail of the graphics card)"

Image: Multifunction bracket for SSD and HDD installation.

## 4.4. Cooling System Installation

The G280 offers extensive cooling options:

- **Fans:** Supports up to 10x 120mm or 4x 140mm fans.
- **Radiators:** Compatible with 360mm radiator configurations.

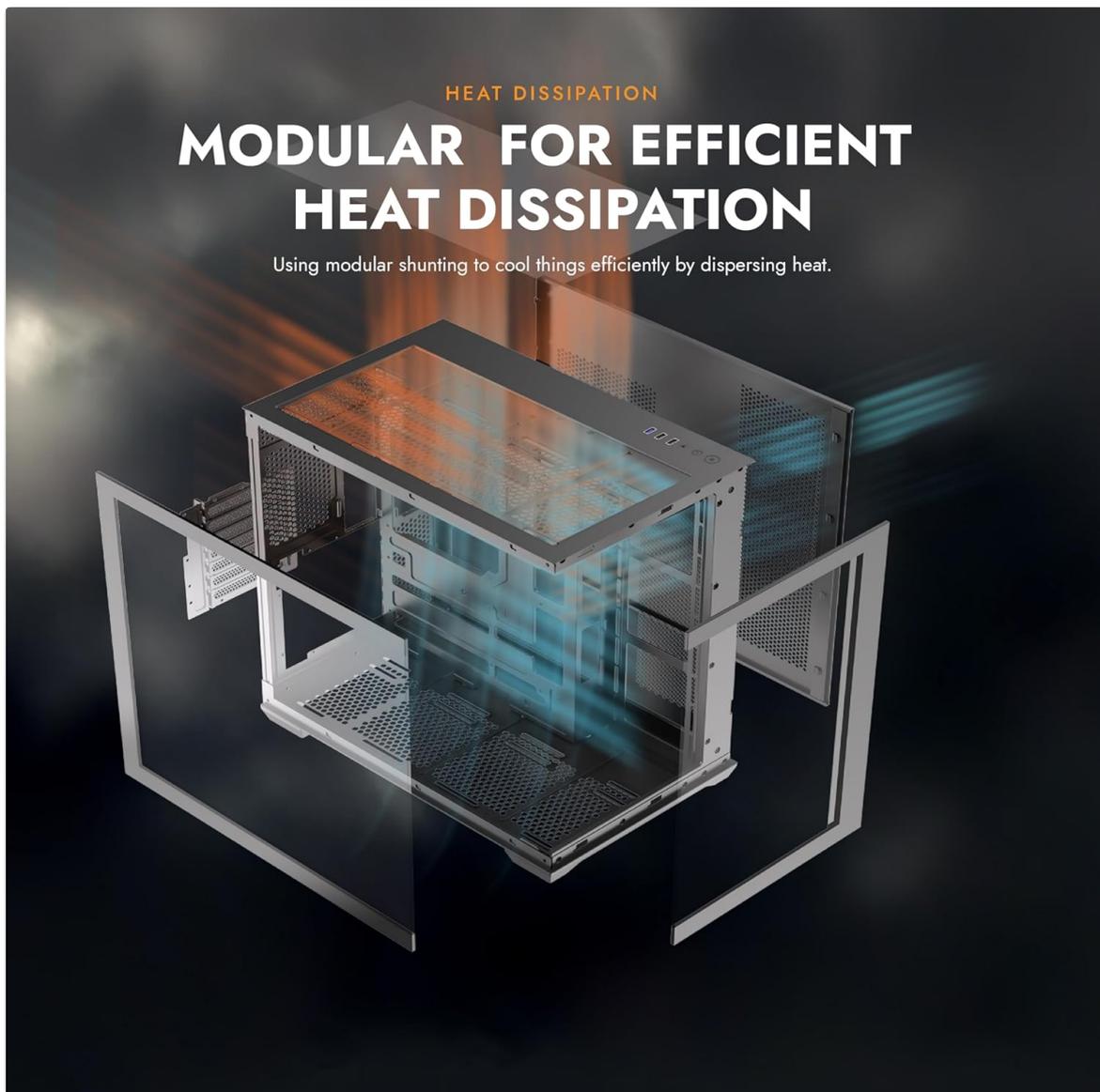


Image: Exploded view demonstrating the modular cooling architecture and airflow paths.

## 4.5. Cable Management

Utilize the ample space behind the motherboard tray and the provided cable ties to route and secure cables for a clean build and optimized airflow. The reverse connection motherboard compatibility further aids in cable routing by moving I/O and power connections to the rear.

## 5. OPERATING INSTRUCTIONS

Once all components are installed and connected, close the side panels. Connect your peripherals, monitor, and power cable to the PSU. Press the power button on the top I/O panel to start your system.

### 5.1. Front I/O Panel

- **Power Button:** Turns the system on/off.
- **Reset Button:** Restarts the system.
- **HD Audio/Mic Jacks:** For connecting headphones and microphones.
- **USB 3.0 Ports (x1):** High-speed data transfer.
- **USB 2.0 Ports (x2):** Standard data transfer.

- **USB-C Port (Optional):** For compatible devices, offering convenient connectivity.



Image: Top I/O panel with power, reset, audio, and USB ports.

## 6. MAINTENANCE

### 6.1. Dust Filter Cleaning

The darkFlash C280 is equipped with dual quick-release dust filters located on the top and bottom of the case. Regularly clean these filters to maintain optimal airflow and prevent dust buildup inside your system.

1. Gently remove the magnetic dust filters.
2. Clean the filters using compressed air or by rinsing with water (ensure they are completely dry before re-installation).
3. Re-attach the magnetic filters to their respective positions.

LUXURY PC CASE

**C280**

**BLACK**



Image: Magnetic dust filter for easy removal and cleaning.

## 7. TROUBLESHOOTING

### • System not powering on:

- Ensure the PSU is properly connected to the wall outlet and the power switch on the PSU is in the 'ON' position.
- Verify all power cables (24-pin ATX, CPU, GPU) are securely connected to the motherboard and components.
- Check that the front panel power switch cable is correctly connected to the motherboard's header.

### • Poor airflow/High temperatures:

- Ensure all installed fans are spinning correctly.
- Clean the dust filters regularly (refer to Section 6.1).
- Verify proper fan orientation for optimal intake and exhaust.
- Check for any obstructions to airflow within the case.

### • Tempered glass panel difficult to remove/install:

- Apply gentle, even pressure when removing or installing. Avoid excessive force.
- Ensure the case is on a flat, stable surface when handling glass panels.

## 8. WARRANTY AND SUPPORT

darkFlash products are manufactured to the highest quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official darkFlash website. For technical support or inquiries, please contact darkFlash customer service through their official channels.

**Official Website:** [www.darkflash.com](http://www.darkflash.com)

**Amazon Store:** [darkFlash Official Store](#)