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EKWB 3831109836644

EKWB EK-Quantum Vector FE RTX 3080 GPU Backplate

Model: 3831109836644

INTRODUCTION

The EKWB EK-Quantum Vector FE RTX 3080 GPU Backplate is a high-quality accessory designed to complement EK-Quantum Vector FE water blocks for NVIDIA GeForce RTX 3080 Founders Edition graphics cards. This backplate provides passive cooling for the GPU's backside, improving overall thermal performance, and offers structural rigidity to prevent PCB bending. It also enhances the aesthetic appearance of your graphics card setup.

This manual provides essential information for the proper installation, operation, and maintenance of your EK-Quantum Vector FE RTX 3080 GPU Backplate. Please read all instructions carefully before proceeding with installation.

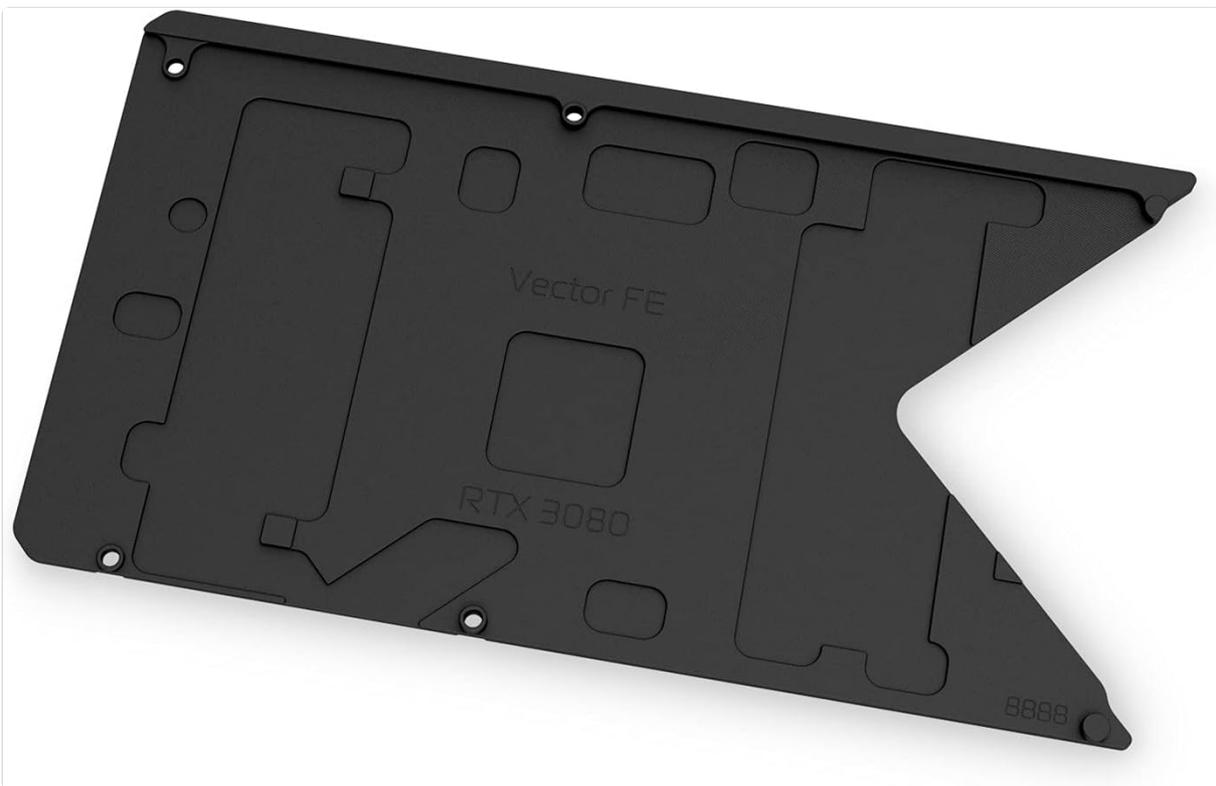
SAFETY INFORMATION

- Always disconnect power from your computer before installing or removing any components.
- Handle all components with care to avoid damage. Static electricity can harm sensitive electronic components. Consider using an anti-static wrist strap.
- Ensure you have adequate lighting and a clean, organized workspace.
- Refer to your graphics card's manual for specific disassembly instructions if required.

PACKAGE CONTENTS

Verify that all components are present before beginning the installation process. The package for your EK-Quantum Vector FE RTX 3080 GPU Backplate should include:

- EK-Quantum Vector FE RTX 3080 GPU Backplate
- Mounting screws and standoffs (if applicable)
- Thermal pads (pre-cut or requiring cutting)
- Required Allen key or screwdriver



A black EK-Quantum Vector FE RTX 3080 GPU Backplate, designed to provide passive cooling and structural support for compatible NVIDIA GeForce RTX 3080 Founders Edition graphics cards.

SETUP AND INSTALLATION

This section outlines the steps for installing the EK-Quantum Vector FE RTX 3080 GPU Backplate. Ensure your graphics card is compatible with this specific backplate model.

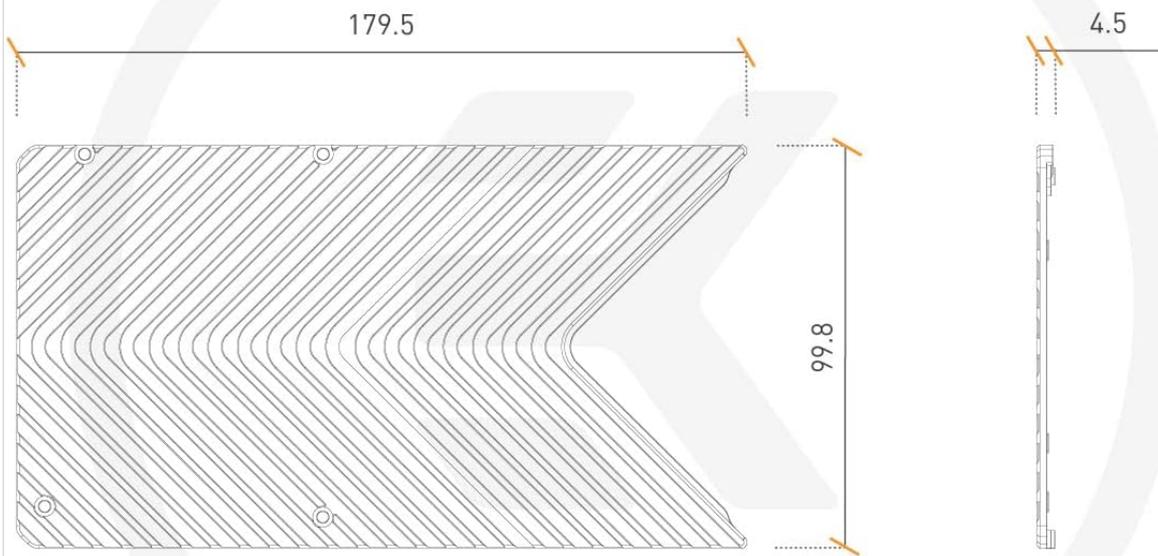
Preparation

1. **Power Off:** Completely shut down your computer and disconnect it from the power supply.
2. **Remove Graphics Card:** Carefully remove your NVIDIA GeForce RTX 3080 Founders Edition graphics card from your computer's PCI-E slot.
3. **Disassemble Existing Cooling (if applicable):** If you are replacing an existing backplate or installing this with a water block, follow the instructions for your water block or GPU to prepare the card. Ensure the PCB is clean and free of debris.

Backplate Installation

1. **Apply Thermal Pads:** Identify the correct placement for the thermal pads on the backplate. Refer to the included diagram or the EKWB product page for precise locations. Carefully peel off the protective film from both sides of the thermal pads and apply them to the designated areas on the backplate. These pads facilitate heat transfer from the PCB to the backplate.
2. **Position Backplate:** Carefully align the backplate with the mounting holes on the backside of your graphics card's PCB. Ensure all holes are perfectly aligned.
3. **Secure Backplate:** Using the provided mounting screws and the appropriate tool (e.g., Allen key or screwdriver), gently screw the backplate into place. Tighten screws in a diagonal pattern to ensure even pressure. Do not overtighten, as this can damage the PCB.
4. **Final Check:** Visually inspect the installation to ensure the backplate is securely attached and there are no gaps or misalignments.

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TOP VIEW, SIDE VIEW

A technical drawing illustrating the top and side views of the EK-Quantum Vector FE RTX 3080 GPU Backplate, including key dimensions in millimeters (179.5mm length, 99.8mm width, 4.5mm thickness) for precise fitment.



The EK-Quantum Vector FE RTX 3080 GPU Backplate shown installed on a graphics card, complementing a water block and featuring subtle green illumination, demonstrating its aesthetic and functional integration.

OPERATING PRINCIPLES

The EK-Quantum Vector FE RTX 3080 GPU Backplate functions as a passive cooling component and structural support for your graphics card. It does not require any external power or software for operation. Heat generated by components on the backside of the GPU PCB is transferred through the thermal pads to the aluminum backplate, which then dissipates this heat into the surrounding air or liquid cooling loop (if used with a water block). This passive heat dissipation contributes to lower operating temperatures for your graphics card, potentially extending its lifespan and improving stability.

MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your backplate.

- **Cleaning:** Periodically clean the surface of the backplate to remove dust buildup. Use a soft, dry, lint-free cloth. For stubborn dirt, a slightly damp cloth with distilled water can be used, ensuring the backplate is completely dry before re-powering the system.
- **Inspection:** Every few months, or during other PC maintenance, inspect the backplate for any signs of damage, loose screws, or degradation of thermal pads. If thermal pads appear worn or damaged, they should be replaced.
- **Thermal Pad Replacement:** Over time, thermal pads may lose effectiveness. If you notice increased temperatures, consider replacing the thermal pads. Contact EKWB support for recommended replacement pads.

TROUBLESHOOTING

If you encounter issues after installing your backplate, consider the following:

- **High Temperatures:** Double-check that thermal pads are correctly placed and making good contact with both the PCB and the backplate. Ensure screws are tightened evenly, but not excessively. Verify that your overall system cooling is adequate.
- **Backplate Not Fitting:** Confirm that you have the correct backplate model for your specific NVIDIA GeForce RTX 3080 Founders Edition graphics card. Refer to the product specifications and dimensions.
- **Loose Backplate:** Ensure all mounting screws are properly tightened. If screws repeatedly loosen, apply a small amount of non-conductive thread locker (e.g., Loctite Blue 242) to the screw threads before re-tightening.

For further assistance, please contact EKWB customer support.

SPECIFICATIONS

Feature	Specification
Product Name	EK-Quantum Vector FE RTX 3080 GPU Backplate
Model Number	3831109836644

Feature	Specification
Brand	EKWB
Compatibility	NVIDIA GeForce RTX 3080 Founders Edition (with compatible EK-Quantum Vector FE water block)
Color	Black
Product Dimensions	3.94 x 1.97 x 0.5 inches (100 x 50 x 12.7 mm approx.)
Item Weight	3.52 ounces (0.1 Kilograms)
Material	Aluminum (typically)

WARRANTY AND SUPPORT

EKWB products are manufactured to the highest standards and come with a manufacturer's warranty against defects in materials and workmanship. The specific warranty period and terms may vary by region and product type. Please retain your proof of purchase for warranty claims.

For detailed warranty information, technical support, or to report any issues, please visit the official EKWB website or contact their customer support directly. You can typically find support resources, FAQs, and contact information on the EKWB support page.

EKWB Official Website: www.ekwb.com