

CN-0X30MK

# Deal4GO VRM Heatsink Module Installation Guide

Model: CN-0X30MK | Brand: Generic

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, maintenance, and troubleshooting of the Deal4GO VRM Heatsink Module, model CN-0X30MK. This component is designed to replace or upgrade the Voltage Regulator Module (VRM) heatsink in compatible Dell systems, including the Alienware Aurora R13, XPS 8950, and Precision 3660. Proper installation ensures optimal thermal performance and system stability.

## 2. SAFETY INFORMATION

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Please read and understand all safety precautions before proceeding with installation. Failure to follow these guidelines may result in personal injury or damage to your equipment.

- Always disconnect the computer from the power source and remove the power cable before opening the chassis.
- Discharge any static electricity by touching a grounded metal object before handling internal components. Consider using an anti-static wrist strap.
- Handle the heatsink and other components with care to avoid bending fins or damaging sensitive parts.
- Keep small screws and parts away from children.
- If you are unsure about any step, consult a qualified technician.

## 3. PRODUCT OVERVIEW

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The Deal4GO VRM Heatsink Module is designed to dissipate heat from the Voltage Regulator Modules on your motherboard, preventing thermal throttling and improving system longevity. It features an aluminum fin array for efficient heat transfer and pre-applied thermal pads for easy installation.

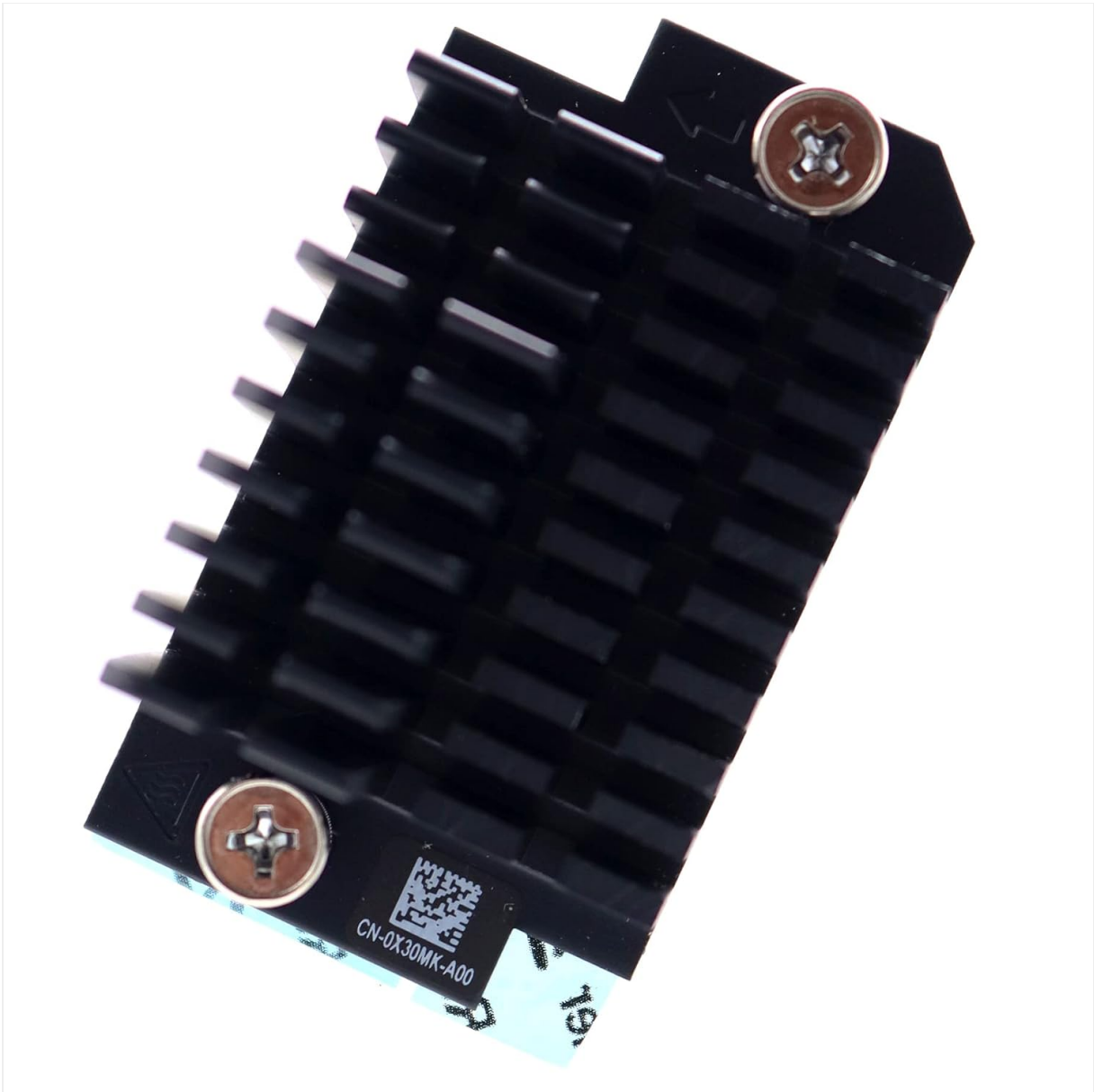


Figure 3.1: Top view of the VRM Heatsink Module, showing the fin structure and mounting screws.



Figure 3.2: Bottom view of the VRM Heatsink Module, illustrating the pre-applied thermal pads for direct contact with VRM components.



Figure 3.3: Detail of the thermal pads, showing the protective blue liners that must be removed before installation.

## 4. INSTALLATION

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Follow these steps carefully to install the VRM Heatsink Module into your compatible Dell system.

1. **Prepare Your System:** Power down your computer completely and disconnect all cables, including the power cord. Open the computer chassis according to your system's service manual.
2. **Locate the VRM Area:** Identify the Voltage Regulator Module area on your motherboard. This is typically near the CPU socket. Refer to your system's documentation for the exact location if needed.
3. **Prepare the Heatsink:** Carefully remove the protective blue liners from the thermal pads on the underside of the new VRM heatsink module. Ensure the thermal pads are clean and free of debris.
4. **Position the Heatsink:** Align the VRM heatsink module over the VRM components on the motherboard. Ensure the mounting holes on the heatsink align with the screw posts on the motherboard.
5. **Secure the Heatsink:** Gently press the heatsink down to ensure good contact between the thermal pads and the VRM components. Use the provided screws (or existing screws if applicable) to secure the heatsink to the motherboard. Tighten the screws in a diagonal pattern until snug, but do not overtighten.

6. **Reassemble and Test:** Close the computer chassis, reconnect all cables, and power on your system. Monitor temperatures to ensure proper operation.

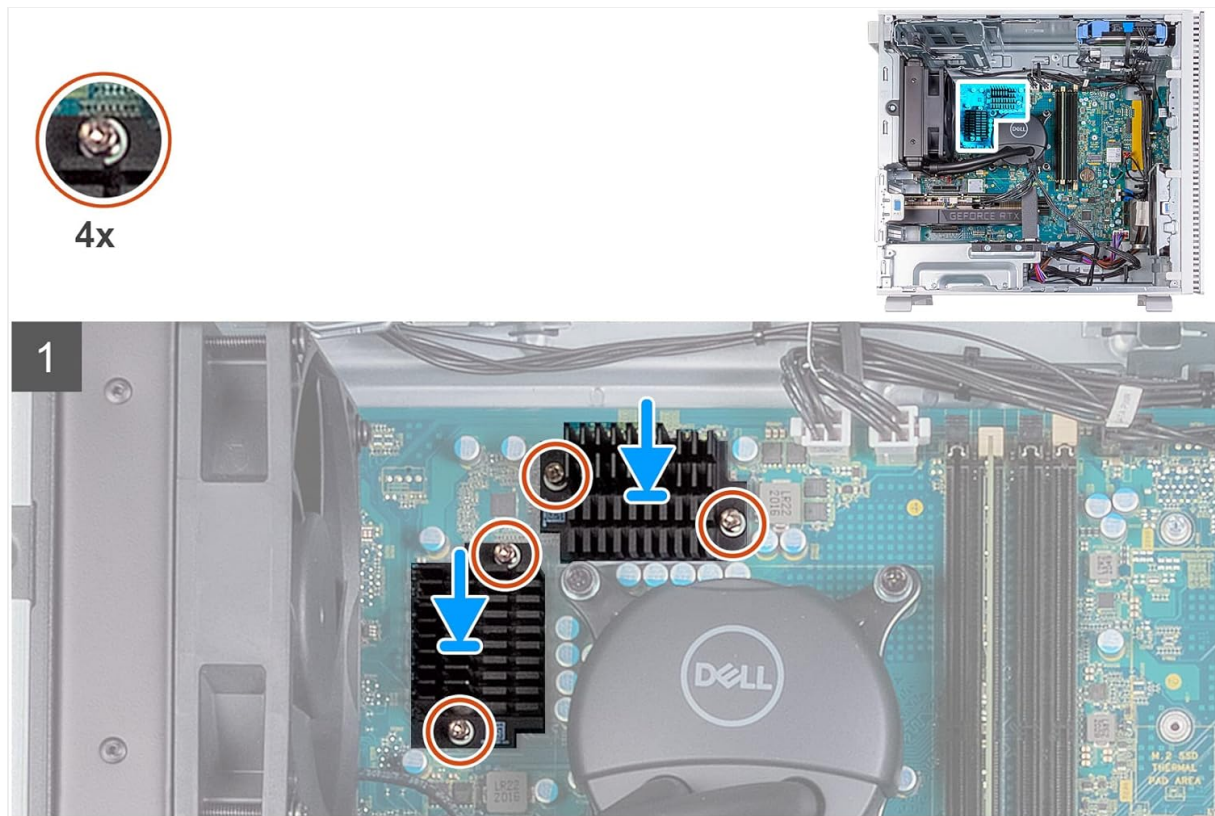


Figure 4.1: Illustrative diagram showing the placement and securing points (indicated by circles and arrows) for the VRM heatsink within a compatible Dell system.

## 5. MAINTENANCE

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To ensure continued optimal performance of your VRM heatsink, periodic maintenance is recommended.

- **Dust Removal:** Every 6-12 months, or more frequently in dusty environments, open your computer chassis and use compressed air to gently remove any dust buildup from the heatsink fins. Hold the fan blades (if any are nearby) to prevent them from spinning excessively.
- **Inspection:** Periodically inspect the heatsink for any signs of damage, loose screws, or degradation of the thermal pads. If thermal pads appear dry or cracked, replacement may be necessary.

## 6. TROUBLESHOOTING

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If you encounter issues after installing the VRM heatsink, consider the following troubleshooting steps:

- **System Overheating:** Ensure the heatsink is securely mounted and the thermal pads are making full contact with the VRM components. Verify that the protective liners were removed from the thermal pads.
- **System Instability/Crashes:** Double-check all connections and ensure no other components were dislodged during installation. Re-verify heatsink mounting.
- **Heatsink Not Fitting:** Confirm that the heatsink model CN-0X30MK is compatible with your specific Dell system model (Alienware Aurora R13, XPS 8950, Precision 3660).

## 7. SPECIFICATIONS

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Feature	Detail
Model Number	CN-0X30MK
Compatible Dell Systems	Alienware Aurora R13, XPS 8950, Precision 3660
Product Dimensions	2.2 x 1.26 x 1.18 inches
Item Weight	0.05 Kilograms (1.76 ounces)
Material	Aluminum (Heatsink)
Thermal Interface	Pre-applied Thermal Pads
UPC	704260215210

## 8. WARRANTY AND SUPPORT

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For warranty information or technical support regarding your Deal4GO VRM Heatsink Module, please refer to the retailer or manufacturer's official website where the product was purchased. Keep your proof of purchase for any warranty claims.