Introduction

This document provides a comprehensive list of hardware issues identified on the öchìn CM4v2 board during its development and testing phases. Each issue is detailed with a description, its impact, and the specific hardware version where it was resolved.

The goal of this document is to assist developers, engineers, and users in understanding potential limitations of the board and ensuring compatibility with their projects. For any additional questions or updates, please refer to the official documentation or contact support.

Bugs list

Title: INA219 burns out on reverse polarity **BugID:** HW-001 **Date:** November 2024
Description: If the polarity of the öchìn CM4v2 board is inadvertently reversed, the protection circuit will safeguard both the öchìn board and the CM4 module. However, the current sensor INA219 will suffer irreversible damage. This results in a malfunction of the current and voltage readings for the power supply.
Impact: The board's ability to measure current and voltage is compromised, requiring replacement of the INA219 chip to restore functionality.
Resolution: This issue has been resolved in version öchìn CM4v2.0.1 by improving the protection circuit.

Title: Radxa CM5 emmc Flash **BugID:** HW-002 **Date:** November 2024
Description: This is not a real bug, but it prevents the Ochin board from putting the Radxa CM5 module into DFU mode to flash the internal memory.
Impact: As a result, even when the boot button is pressed, the module attempts to boot normally instead of entering USB boot mode.
Resolution: This issue has been resolved in version öchìn CM4v2.0.1