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# Radxa CM4 IO Board

An Application Board for Radxa CM4

Revision 1.0

2025-09-01



Radxa Computer



## Contents

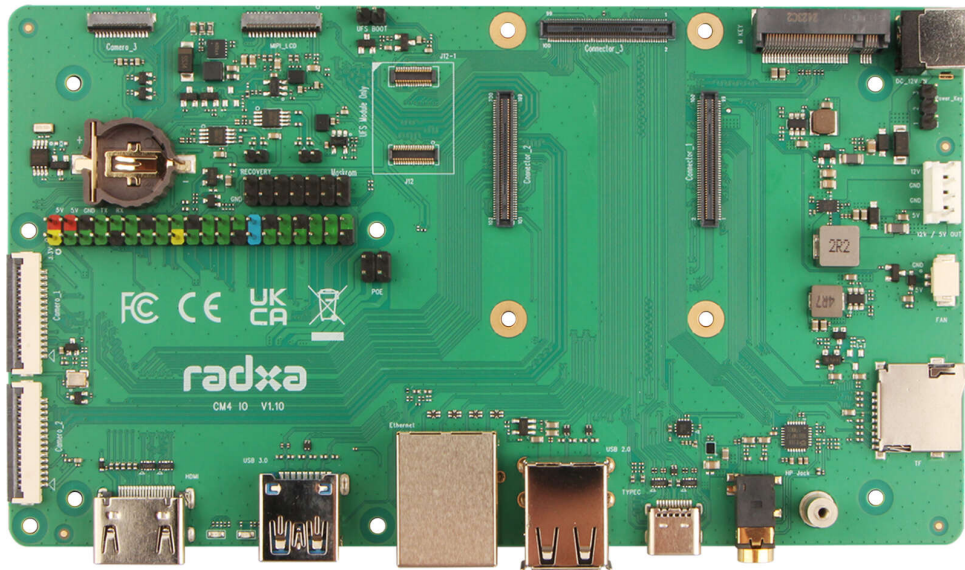
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## 1 Revision Control Table

Version	Date	Changes from previous version
1.0	2025-09-01	First version

## 2 Introduction

The Radxa CM4 IO Board is designed specifically for the Radxa CM4 and is intended to provide a comprehensive validation of the Radxa CM4 functionality. With the Radxa CM4 IO Board, developers can easily verify the processing power, storage expansion, multimedia support and functionality of the various interfaces of the Radxa CM4.



## 3 Interfaces

- 1x 12V DC 5525 Power Interface
- 1x MicroSD Card Slot
- 1x UFS Module Slot
- 1x M.2 M Key 2280 NVMe SSD Slot
- 1x Gigabit Ethernet with PoE Support(Addition PoE Module Required)
- 2x USB 2.0 Type-A HOST Port
- 1x USB 3.0 Type-A HOST Port
- 1x USB 3.0 Type-C HOST/OTG Port
- 1x HDMI Interfaces
- 1x 4-lane MIPI DSI
- 1x 4-lane MIPI CSI
- 2x 2-lane MIPI CSI
- 1x RTC Battery Socket
- 1x 3.5mm Audio Jack
- 2x Speaker Header

- 1x PoE Header
- 1x 2-Pin 1.25mm Fan Header
- 1x 40-Pin GPIO Header
- 1x 14-Pin GPIO Header
- 1x 2-Pin UFS BOOT Header
- 1x 3-Pin Power Header:
  - Pin1: Power
  - Pin2: GND (shared)
  - Pin3: Reset
- 1x 4-Pin Power Out Header:
  - Pin1: 12V
  - Pin2: GND
  - Pin3: GND
  - Pin4: 5V

## 4 Mechanical Specification

160 x 90 mm

## 5 Availability

Radxa guarantees availability of the Radxa CM4 IO Board until at least September 2035.

## 6 Support

For support please see the hardware documentation section of the [Radxa Document](#) website and post questions to the [Radxa forum](#).