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# Radxa Taco Product Brief

High-Performance NAS & Router Platform for RPi CM5

Revision 1.2

2026-04-01



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## 1 Revision Control Table

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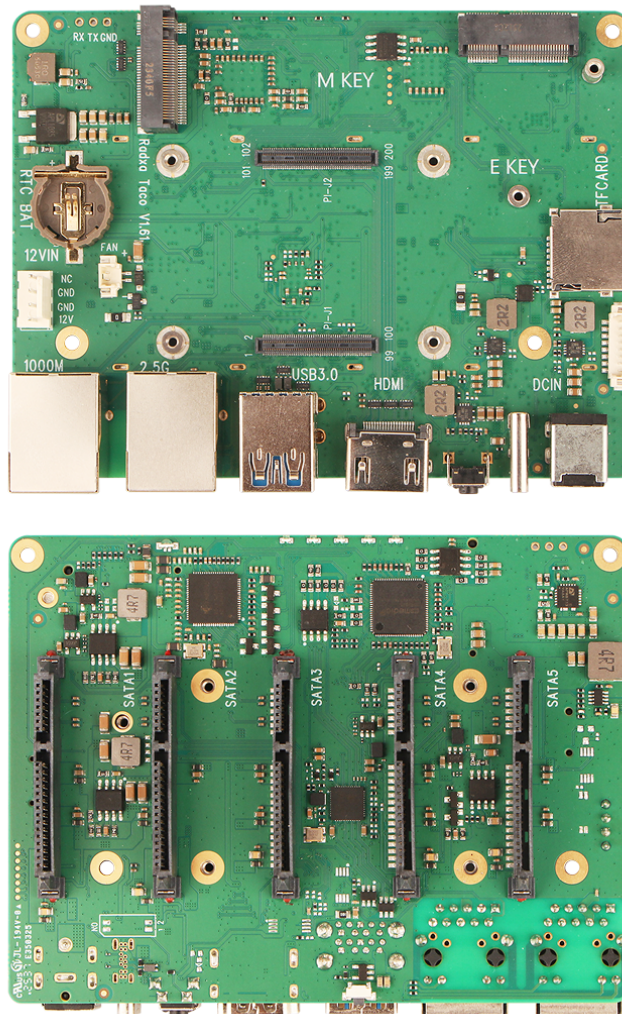
Version	Date	Changes from previous version
1.0	2023-09-26	First version
1.1	2025-04-25	Change PDF fonts to avoid CJK characters
1.2	2026-03-27	Radxa Taco V1.61 and later support Raspberry Pi CM5 only

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## 2 Introduction

Radxa Taco is a highly versatile carrier board designed specifically for the Raspberry Pi Compute Module 5 (CM5).

Measuring 114 × 85 mm, it offers a compact form factor with rich interfaces including 5-channel SATA storage, dual gigabit Ethernet ports (Gigabit + 2.5G), and M.2 expansion slots — ideal for NAS storage, industrial gateway, and small-scale server applications.



### 3 Features

- Raspberry Pi CM5 Compatible
  - 2× 100-Pin B2B connectors enable vertical stacking with CM5 core module for true plug-and-play
- 5-Bay NAS Storage
  - 5× SATA + 1× M.2 M Key 2280 + 1× microSD, supporting RAID 0/1/5 for private cloud storage builds
- Dual Ethernet Simultaneously
  - 1× Gigabit + 1× 2.5G Ethernet enables dual-network deployment without additional hardware
- Rich Wireless & IO Expansion
  - M.2 E Key 2230 slot for Wi-Fi/BT modules; 8-Pin GPIO header with GPIO / I<sup>2</sup>C / PWM
- 12V DC Power + RTC Backup
  - Compatible with ATX or DC power supply; RTC coin-cell ensures timekeeping on power loss

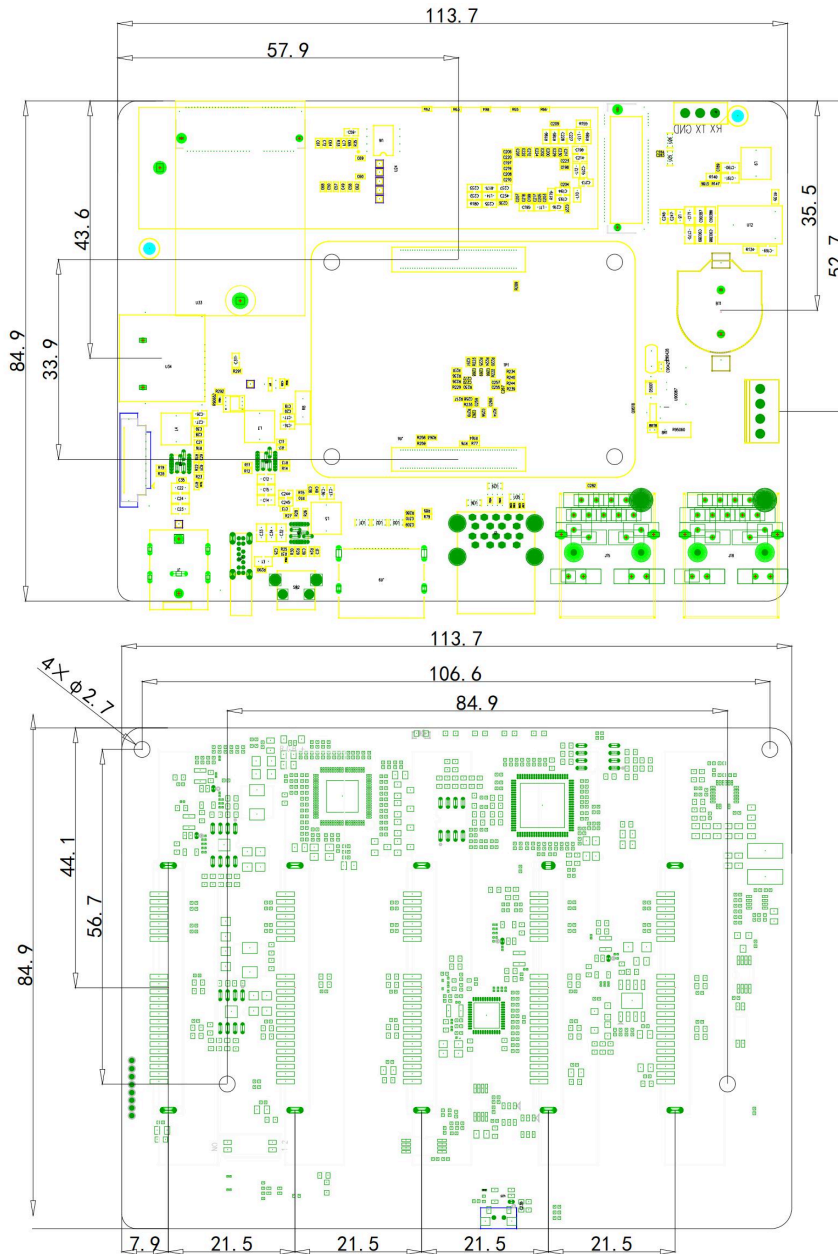
## 4 Interfaces

- 2× 100-Pin B2B Connector for Raspberry Pi CM5
- 5× SATA Connector for 2.5"/3.5" hard drives
- 1× M.2 M Key 2280 Slot for NVMe SSD expansion
- 1× microSD Card Slot for SDHC/SDXC storage
- 1× Gigabit Ethernet (RJ45)
- 1× 2.5G Ethernet (RJ45)
- 1× M.2 E Key 2230 Slot for Wi-Fi / Bluetooth module expansion
- 1× HDMI 2.0 (Standard Type A)
- 2× USB 3.2 Gen1 Type-A Port
- 1× USB Type-C Port for system flashing
- 1× 12V DC Power Jack
- 1× 12V DC Power Header
- 1× Fan Connector with PWM speed control
- 1× RTC Battery Holder for power-off timekeeping
- 1× 8-Pin 1.25mm GPIO Header with GPIO / I<sup>2</sup>C / PWM
- 1× Power Button
- 1× RPI BOOT Button
- 1× Power LED
- 5× SATA Status LED

## 5 Software Support

- Debian / Ubuntu Linux support

## 6 Mechanical Specification



- 114 mm x 85 mm

## 7 Power Requirements

The normal HDD or SSD power consumption:

	Power Consumption
SSD	< 3W
2.5 HDD	3 ~ 5W
3.5 HDD	5 ~ 10W

Depending on the disks type and number, the Taco can be powered in the following options:

- Option 1: DC Power

Powered via the 12V DC Power Jack. Compatible with standard 12V DC adapters (5.5 x 2.5mm, center positive). Supports up to 5x 2.5" HDD or SSD.

- Option 2: ATX PSU

Powered via the 12V DC Power Header. Suitable for PC enclosure installations. Most ATX PSUs > 100W meet the power requirement. An ATX floppy-type cable is required.

## 8 Availability

Radxa guarantees availability of the Radxa Taco until at least March 2036.

## 9 Support

For support, please refer to the hardware documentation section of the [Radxa Documentation Center](#) and post questions to the [Radxa Forum](#).