



Raspberry Pi Compute Module 4

PCN 31 – Alternative sources of RAM

Colophon

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|----------------------|--------------|
| Release | 5 |
| Build date | 04/06/2026 |
| Build version | 716621ff1a9d |

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Document version history

| Release | Date | Description |
|---------|-------------|---|
| 1 | 17 Jun 2025 | Initial release |
| 2 | 5 Feb 2026 | Update to cover all current RAM manufacturers |
| 3 | 18 Feb 2026 | Add Winbond W66DP2RQQAHJ |
| 4 | 30 Apr 2026 | Update firmware date |
| 5 | 1 Jun 2026 | Add Rayson RS1G32LV4D2BDS-46BT and Micron MT53D512M32D2DS-053 WTD |

Product Change Notification

Notification ID

31

Notification date

- r1. 17 June 2025
- r2. 5 Feb 2026
- r3. 18 Feb 2026
- r4. 30 Apr 2026
- r5. 1 Jun 2026

Title

Notification of alternative sources of RAM devices for Raspberry Pi Compute Module 4.

Products Affected

Raspberry Pi Compute Module 4

Reason for Change

To improve long term availability of RAM parts.

Change Description

Multiple sources of RAM devices have been qualified for use on the Raspberry Pi Compute Module 4.

| Manufacturer | Part number | Size |
|--------------|-------------------------|------|
| Rayson | RS256M32LZ4D2BNP-62BT | 1GB |
| Rayson | RS256M32LH4D1ANR-53BT | 1GB |
| Rayson | RS256M32LN4D2ANR-53BT | 1GB |
| Rayson | RS1G32LV4D2BDS-46BT | 4GB |
| Winbond | W66DP2RQQA HJ | 1GB |
| Rayson | RS2G32LV4D4BDT-46BT | 8GB |
| Micron | MT53D512M32D2DS-053 WTD | 2GB |

Raspberry Pi Ltd have extensively tested and qualified these devices and they closely match the original parts in terms of specification and performance.

Mechanical (Form, Fit, Function) Changes

None

Electrical

None

Software/Firmware Changes Required

This new product revision is supported in firmware versions from 17 May 2026 onwards.

If you are using the Windows `rpiboot` installer, please ensure you use version 1.1 or later.

If you are using `rpiboot` on Linux, please ensure you are using version 20260603 182203 or later.

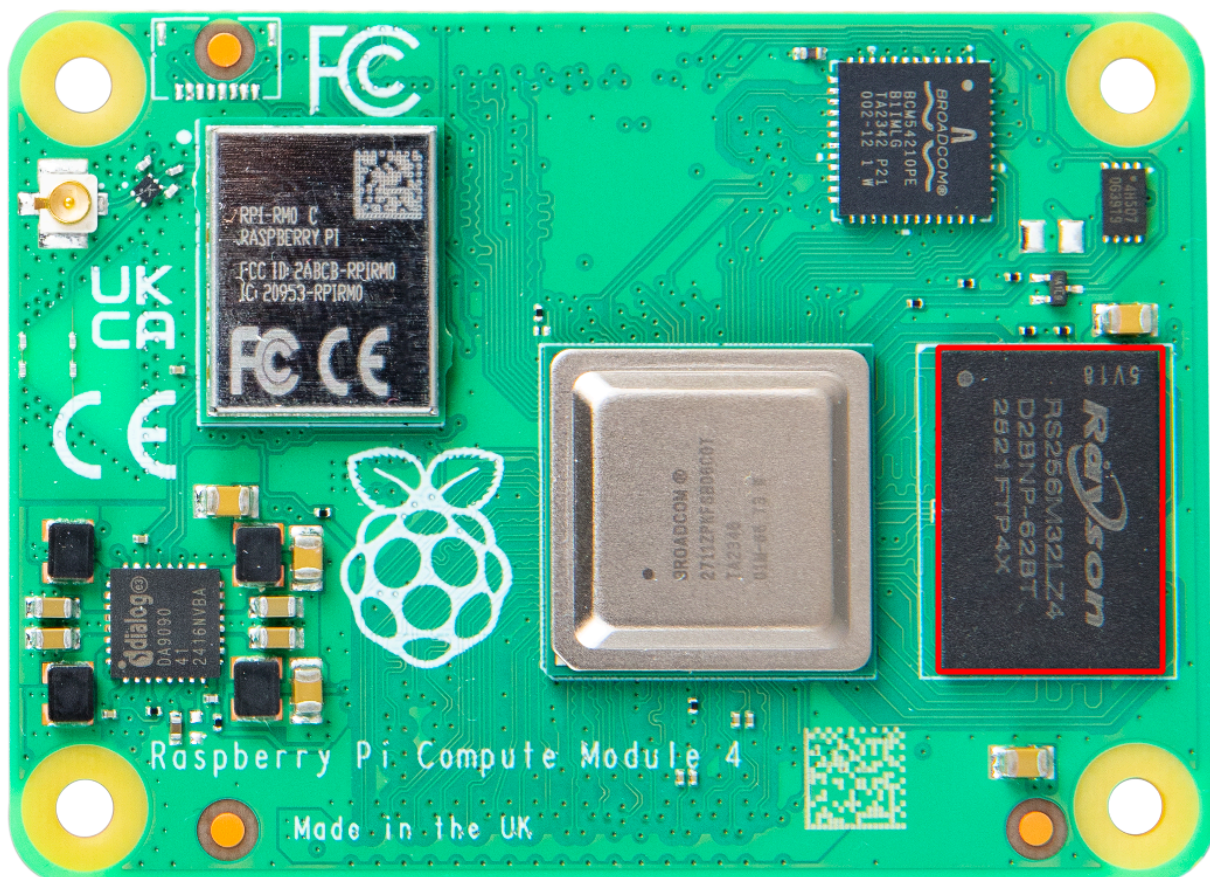
If you are using `rpi_sb_provisioner` please use version 2.3.0 or later.

Introduction Date(s)

The new devices will start to be used from Jan 2026. All devices will continue to be used for production after this date.

Identification Method to Distinguish Change

The changed product can be distinguished by examination of the RAM chip device as shown by the highlighted Rayson part in the diagram below.



Contact us for more information

Please contact applications@raspberrypi.com if you have any queries about this PCN.

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