



Raspberry Pi Compute Module 4

PCN 31 – Alternative sources of RAM

Colophon

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Release	6
Build date	30/06/2026
Build version	0a805343b04d

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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
6	1 Jul 2026	Add Rayson RS512M32LM4D2BDS-53BT

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
r6. 1 Jul 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
Rayson	RS512M32LM4D2BDS-53BT	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.

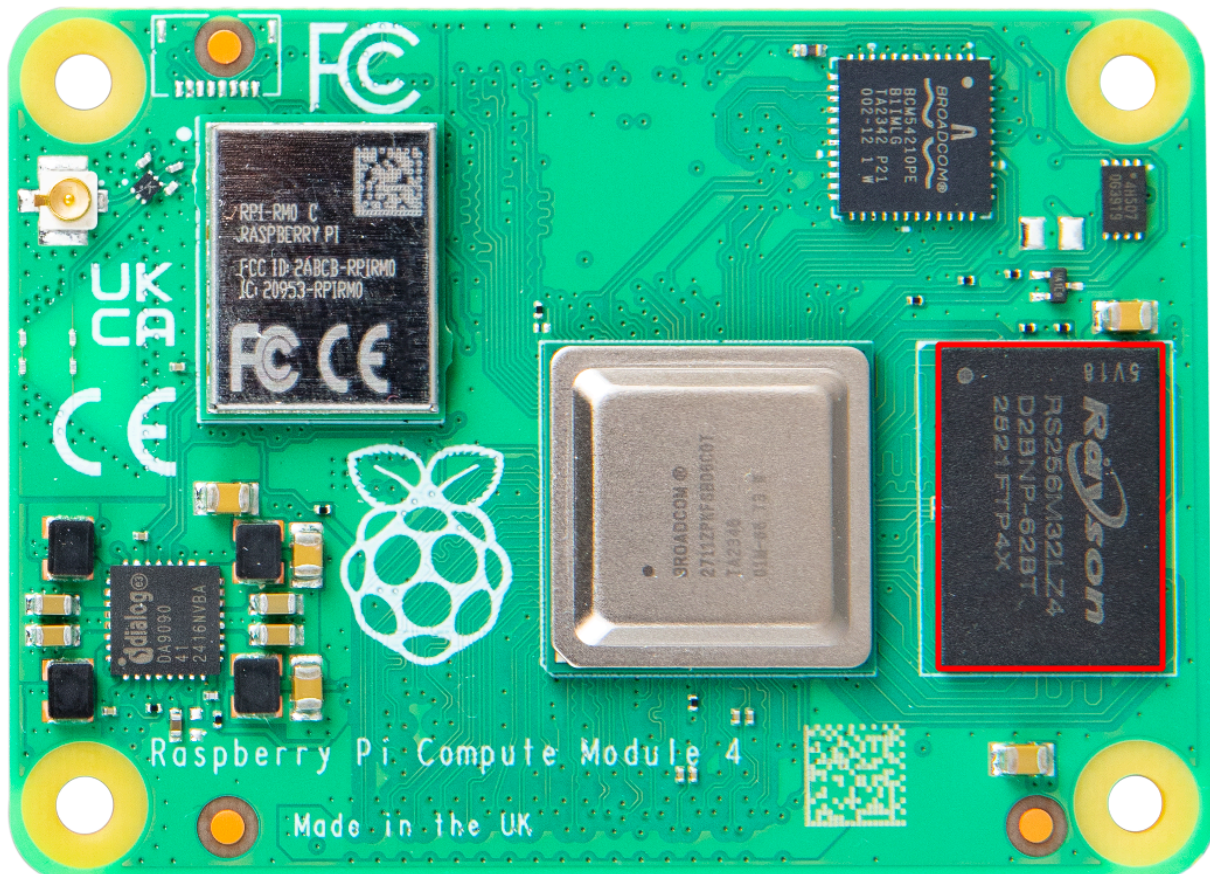
If you are using `rpi_sb_provisioner` please use version 2.3.0 or later.

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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