Raspberry Pi 5

PCN 46 – Alternative sources of RAM

Colophon

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Release	5
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Document version history

Release	Date	Description
1	5 Feb 2026	Initial release
2	17 Apr 2026	Add Rayson 8GB part
3	12 May 2026	Add CXMT 4GB and 8GB parts
4	22 Jul 2026	Add Rayson RS1G32LR4D2BNR-46BT, Longsys FLXC2002G-N2, FLXC2004G-N1, Kowin KAL4M13DCAXF-C00, TWSC TEL4XCD32ACY-32G, TEL4XMA32ACX-32G, TEL4XCD32ACY-64G, and TEL4XMB32ACX-16G parts
5	26 Oct 2026	Add Rayson RS256M32LS4D4BNR-53BT, RS2G32LR4D4BNR-46BT

Product Change Notification

Notification ID

46

Notification date

PCN Release	Date
1	5 Feb 2026
2	17 Apr 2026
3	12 May 2026
4	22 Jul 2026
5	26 Oct 2026

Title

Notification of alternative sources of RAM device for Raspberry Pi 5.

Products Affected

Raspberry Pi 5

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 5.

PCN Release	Manufacturer	Part number	Size
1	Rayson	RS1G32LV4D2BDS-46BT	4GB
	Winbond	W66DP2RQQAHJ	1GB
2	Rayson	RS2G32LV4D4BDT-46BT	8GB
3	CXMT	CXDB5CBAM-MA-B	4GB
	CXMT	CXDB6CCBM-MA-A	8GB
4	Rayson	RS1G32LR4D2BNR-46BT	8GB
	Longsys	FLXC2002G-N2	2GB
	Longsys	FLXC2004G-N1	4GB
	Kowin	KAL4M13DCAXF-C00	1GB
	TWSC	TEL4XCD32ACY-32G	4GB
	TWSC	TEL4XMA32ACX-32G	4GB
	TWSC	TEL4XCD32ACY-64G	8GB

PCN Release	Manufacturer	Part number	Size
	TWSC	TEL4XMB32ACX-16G	2GB
5	Rayson	RS256M32LS4D4BNR-53BT	1GB
	Rayson	RS2G32LR4D4BNR-46BT	8GB

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 25 Sept 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.

Note

Firmware is archived on GitHub at https://github.com/raspberrypi/rpi-eeprom/

SoC	Devices	Firmware versions
BCM2711	Pi 4, CM4, Pi400, CM4S	https://github.com/raspberrypi/rpi-eeprom/blob/master/firmware-2711/versions.txt
BCM2712	Pi 5, CM5, Pi500, Pi 500+	https://github.com/raspberrypi/rpi-eeprom/blob/master/firmware-2712/versions.txt

Introduction date

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

PCN Release	Transition date
1	Feb 2026
2	Apr 2026
3	May 2026
4	Jul 2026
5	Sept 2026

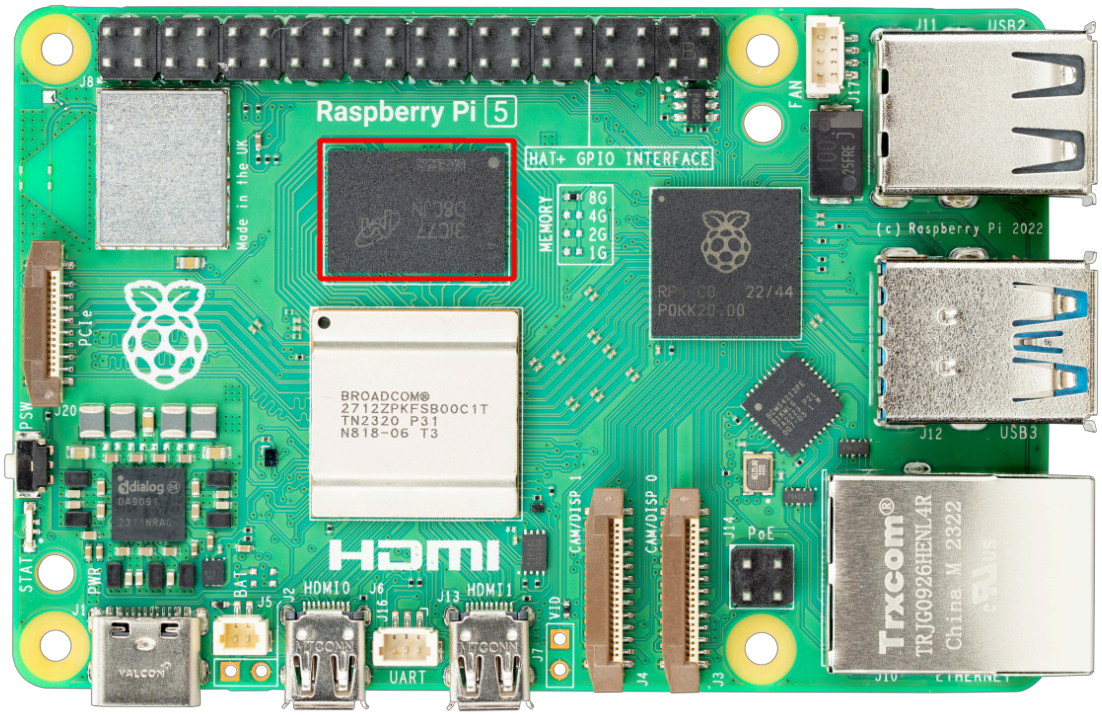
Important

Raspberry Pi are unable to provide information on which batches or orders may contain the new part

Identification Method to Distinguish Change

The new product can be distinguished by examination of the RAM device for manufacturer and part number, as shown with the Micron part in the following image.

Figure 1.
Raspberry Pi 5 RAM Location



Contact us for more information

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

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