



Raspberry Pi Compute Module 4 SODIMM

PCN 51 – Alternative sources of
eMMC

Colophon

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Document version history

Release	Date	Description
1	5 Jun 2026	Initial release
2	24 Jul 2026	Add eMMC size warning to software change section

Product Change Notification

Notification ID

51

Notification date

r1. 5 Jun 2026 r2. 23 Jul 2026

Title

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

Products Affected

Raspberry Pi Compute Module 4 SODIMM

Reason for Change

To improve long term availability of eMMC parts.

Change Description

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

Manufacturer	Part number	Size	Type
Rayson	RS70B08G3S03F	8GB	MLC
Rayson	RS70B16G4M15G	16GB	MLC
Foresee	FEMDNN064G-C9A61	64GB	TLC

Raspberry Pi Ltd have extensively tested and qualified alternatives which meet our strict product standards.

Mechanical (Form, Fit, Function) Changes

None

Electrical

None

Software/Firmware Changes Required

eMMC devices from different vendors may not have identical User Data Area capacity. While Raspberry Pi endeavors to ensure parity across all devices, we are unable to guarantee identical usable capacity. The black-box nature of an eMMC device means that the vendor's proprietary controller, firmware, non-volatile storage cluster, and bad-block redundancy strategy may result in subtle differences in usable capacity for the same advertised size.

When preparing/provisioning devices for deployment, Raspberry Pi recommends that OEMs do not pad images to fit the exact capacity of a device. Instead, the provisioning flow should involve on-device resizing of partitions/filesystems to safely maximise available capacity while adhering to storage media size limits. Doing so also reduces the need to transfer 'empty' data to the device, therefore reducing per-unit provisioning time.

Please refer to <https://github.com/raspberrypi/rpi-sb-provisioner/> for further details.

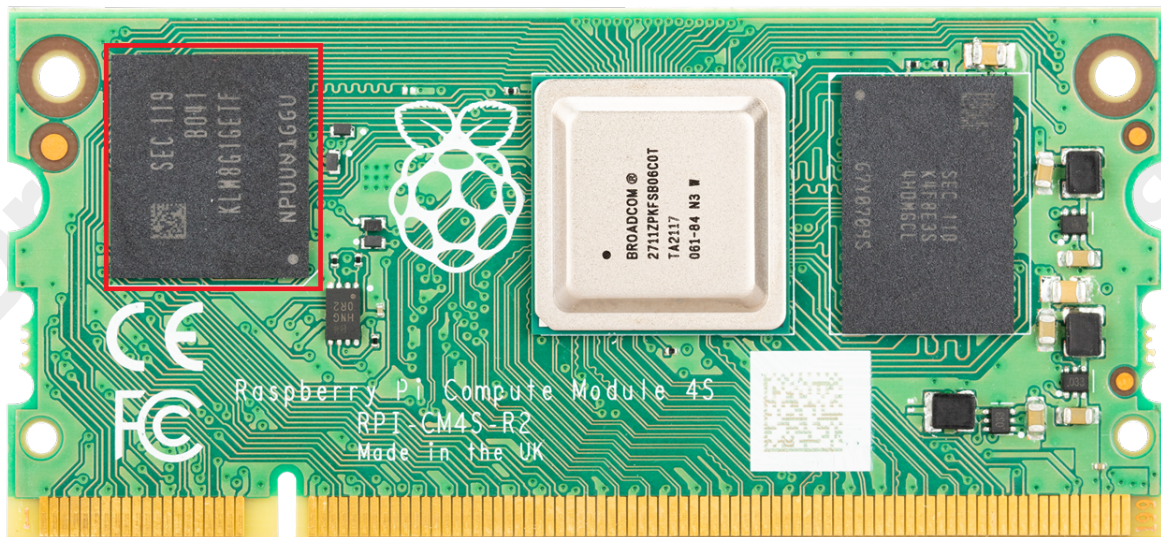
Transition Date(s)

1 Jun 2026

There will be a transition period where both old and new units are available in the distribution channel.

Identification Method to Distinguish Change

The new product can be distinguished by examination of the eMMC device, highlighted in the following image.



Contact us for more information

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

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