



Raspberry Pi Compute Module 4

PCN 56 – Alternative sources of SPI
flash

Colophon

© 2022-2026 Raspberry Pi Ltd

This documentation is licensed under a [Creative Commons Attribution-NoDerivatives 4.0 International](#) (CC BY-ND).

Release	2
Build date	11/09/2026
Build version	e4b52a0f4875

Legal disclaimer notice

TECHNICAL AND RELIABILITY DATA FOR RASPBERRY PI PRODUCTS (INCLUDING DATASHEETS) AS MODIFIED FROM TIME TO TIME (“RESOURCES”) ARE PROVIDED BY RASPBERRY PI LTD (“RPL”) “AS IS” AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW IN NO EVENT SHALL RPL BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THE RESOURCES, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

RPL reserves the right to make any enhancements, improvements, corrections or any other modifications to the RESOURCES or any products described in them at any time and without further notice.

The RESOURCES are intended for skilled users with suitable levels of design knowledge. Users are solely responsible for their selection and use of the RESOURCES and any application of the products described in them. User agrees to indemnify and hold RPL harmless against all liabilities, costs, damages or other losses arising out of their use of the RESOURCES.

RPL grants users permission to use the RESOURCES solely in conjunction with the Raspberry Pi products. All other use of the RESOURCES is prohibited. No licence is granted to any other RPL or other third party intellectual property right.

HIGH RISK ACTIVITIES. Raspberry Pi products are not designed, manufactured or intended for use in hazardous environments requiring fail safe performance, such as in the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, weapons systems or safety-critical applications (including life support systems and other medical devices), in which the failure of the products could lead directly to death, personal injury or severe physical or environmental damage (“High Risk Activities”). RPL specifically disclaims any express or implied warranty of fitness for High Risk Activities and accepts no liability for use or inclusions of Raspberry Pi products in High Risk Activities.

Raspberry Pi products are provided subject to RPL’s [Standard Terms](#). RPL’s provision of the RESOURCES does not expand or otherwise modify RPL’s [Standard Terms](#) including but not limited to the disclaimers and warranties expressed in them.

Document version history

Release	Date	Description
1	15 Jun 2026	Initial release
2	12 Sept 2026	Update required firmware

Product Change Notification

Notification ID

56

Notification date

r1 15 Jun 2026

r2 12 Sept 2026

Title

Notification of alternative sources of SPI flash device for Raspberry Pi Compute Module 4.

Products Affected

Raspberry Pi Compute Module 4

Reason for Change

To improve long term availability of SPI flash parts.

Change Description

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

Manufacturer	Part number	Size
Winbond	W25Q40RLXHJQ	4 MBit
Gigadevice	GD25D40EEIGR	4 MBit
Renesas	AT25SF041B-MAHD-T	4 MBit
Renesas	AT25SF041B-MAHB-T	4 MBit
Puya	PY25Q40HB-UXH-IR	4 MBit

Raspberry Pi Ltd have extensively tested and qualified alternatives which 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 June 2026 onwards.

When using apt to update (`sudo apt update && sudo apt full-upgrade`), the following firmware or newer is required:

Trixie

- Package: raspi-firmware
- Version: 1:1.20260907-1

Bookworm

- Package: raspi-firmware
- Version: 1:1.20260907-1~bookworm

Raspberry Pi Ltd always recommend using the latest version of firmware and Linux kernel, wherever that is practical.

Caution

Flashrom users. The `flashrom` application that is supplied with Raspberry Pi OS must be version 1.4.0-3+rpt1 or later. Using older versions may result in SPI flash corruption.

Transition Date(s)

1 Jul 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 cannot be distinguished by visual inspection.

Contact us for more information

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

Web: www.raspberrypi.com



Raspberry Pi

Raspberry Pi is a trademark of Raspberry Pi Ltd