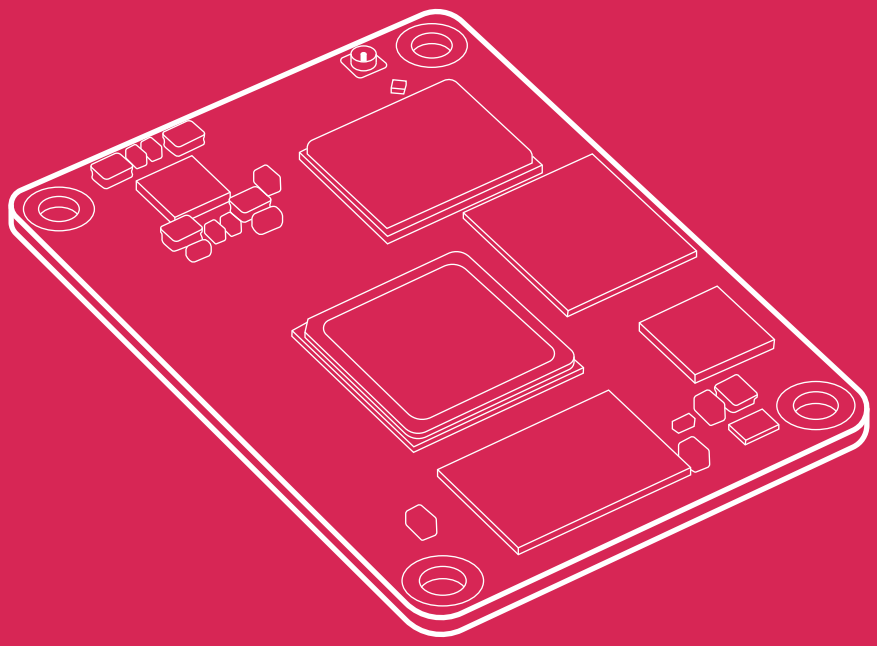
Raspberry Pi Compute Module 4

Published February 2026



Raspberry Pi Ltd

Overview

Raspberry Pi Compute Module 4 harnesses the compute power of the popular Raspberry Pi 4 Model B, bringing it to a smaller form factor suitable for integration into products.

Key features include a high-performance 64-bit quad-core processor, dual-display support at resolutions up to 4K, hardware video decode at up to 4Kp60, up to 8GB of RAM, Gigabit Ethernet, USB 2.0, dual camera interfaces, and PCIe Gen 2 x1 interface.

The optional dual-band 2.4/5.0GHz wireless LAN and Bluetooth 5.0 have modular compliance certification. This allows the board to be designed into end products with significantly reduced compliance testing, improving both cost and time to market. Either the onboard antenna or an external antenna kit can be used.

Compute Module 4 has optional onboard eMMC of 8GB, 16GB or 32GB.

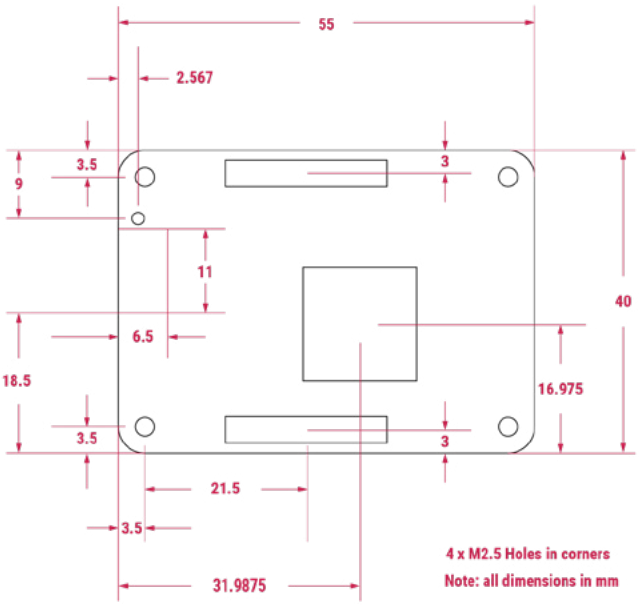
A number of Compute Module 4 variants now come with an extended temperature range of -40°C to +85°C, ideal for handling applications in more extreme indoor and outdoor environments.

Specification

Form factor:	55 mm × 40 mm
Processor:	Broadcom BCM2711 quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz
Memory:	1GB, 2GB, 4GB or 8GB LPDDR4 (depending on variant)
Connectivity:	• Optional wireless LAN, 2.4GHz and 5.0GHz IEEE 802.11b/g/n/ac wireless, Bluetooth 5.0, BLE with onboard and external antenna options • Onboard Gigabit Ethernet PHY supporting IEEE1588 • 1 × USB 2.0 interface • PCIe Gen 2 x1 interface • 28 GPIO signals • SD card interface for SD card or external eMMC (for use only with Compute Module 4 variants without eMMC)
Video:	• Dual HDMI interface (up to 4Kp60 supported) • 2-lane MIPI DSI display interface • 2-lane MIPI CSI camera interface • 4-lane MIPI DSI display interface • 4-lane MIPI CSI camera interface
Multimedia:	H.265 (4Kp60 decode); H.264 (1080p60 decode, 1080p30 encode); OpenGL ES 3.0 graphics
Input power:	5V DC
Operating temperature:	-20°C to +85°C -40°C to +85°C (extended temperature range variants only)
MTBF[1] Ground Benign:	377 000 hours (382 000 hours CM4 Lite)
Production lifetime:	Raspberry Pi Compute Module 4 will remain in production until at least January 2034
Compliance:	For a full list of local and regional product approvals, please visit pip.raspberrypi.com

[1] Mean Time Between Failure

Physical specification



WARNINGS

- Any external power supply used with Raspberry Pi Compute Module 4 shall comply with relevant regulations and standards applicable in the country of intended use.
- This product should be operated in a well-ventilated environment, and if used inside a case, the case should not be covered.
- Whilst in use, this product should be placed on a stable, flat, non-conductive surface, and should not be contacted by conductive items.
- The connection of incompatible devices to Compute Module 4 may affect compliance, result in damage to the unit, and invalidate the warranty.
- All peripherals used with this product should comply with relevant standards for the country of use and be marked accordingly to ensure that safety and performance requirements are met. These articles include but are not limited to keyboards, monitors, and mice when used in conjunction with the Compute Module.
- The cables and connectors of all peripherals used with this product must have adequate insulation so that relevant safety requirements are met.

SAFETY INSTRUCTIONS

To avoid malfunction or damage to this product, please observe the following:

- Do not expose to water or moisture, or place on a conductive surface whilst in operation.
- Do not expose to heat from any source; Raspberry Pi Compute Module 4 is designed for reliable operation at normal ambient temperatures.
- Take care whilst handling to avoid mechanical or electrical damage to the printed circuit board and connectors.
- Whilst it is powered, avoid handling the printed circuit board, or only handle it by the edges to minimise the risk of electrostatic discharge damage.

Pricing

Part Number	Wireless	RAM	eMMC	Price*
CM4001000	No	1GB	0GB (Lite)	$30
CM4001008			8GB	$35
CM4001016			16GB	$40
CM4001032			32GB	$45
CM4002000		2GB	0GB (Lite)	$45
CM4002008			8GB	$50
CM4002016			16GB	$55
CM4002032			32GB	$60
CM4004000		4GB	0GB (Lite)	$65
CM4004008			8GB	$70
CM4004016			16GB	$75
CM4004032			32GB	$80
CM4008000		8GB	0GB (Lite)	$105
CM4008008			8GB	$110
CM4008016			16GB	$115
CM4008032			32GB	$120
CM4101000	Yes	1GB	0GB (Lite)	$35
CM4101008			8GB	$40
CM4101016			16GB	$45
CM4101032			32GB	$50
CM4102000		2GB	0GB (Lite)	$50
CM4102008			8GB	$55
CM4102016			16GB	$60
CM4102032			32GB	$65
CM4104000		4GB	0GB (Lite)	$70
CM4104008			8GB	$75
CM4104016			16GB	$80
CM4104032			32GB	$85
CM4108000		8GB	0GB (Lite)	$110
CM4108008			8GB	$115
CM4108016			16GB	$120
CM4108032			32GB	$125

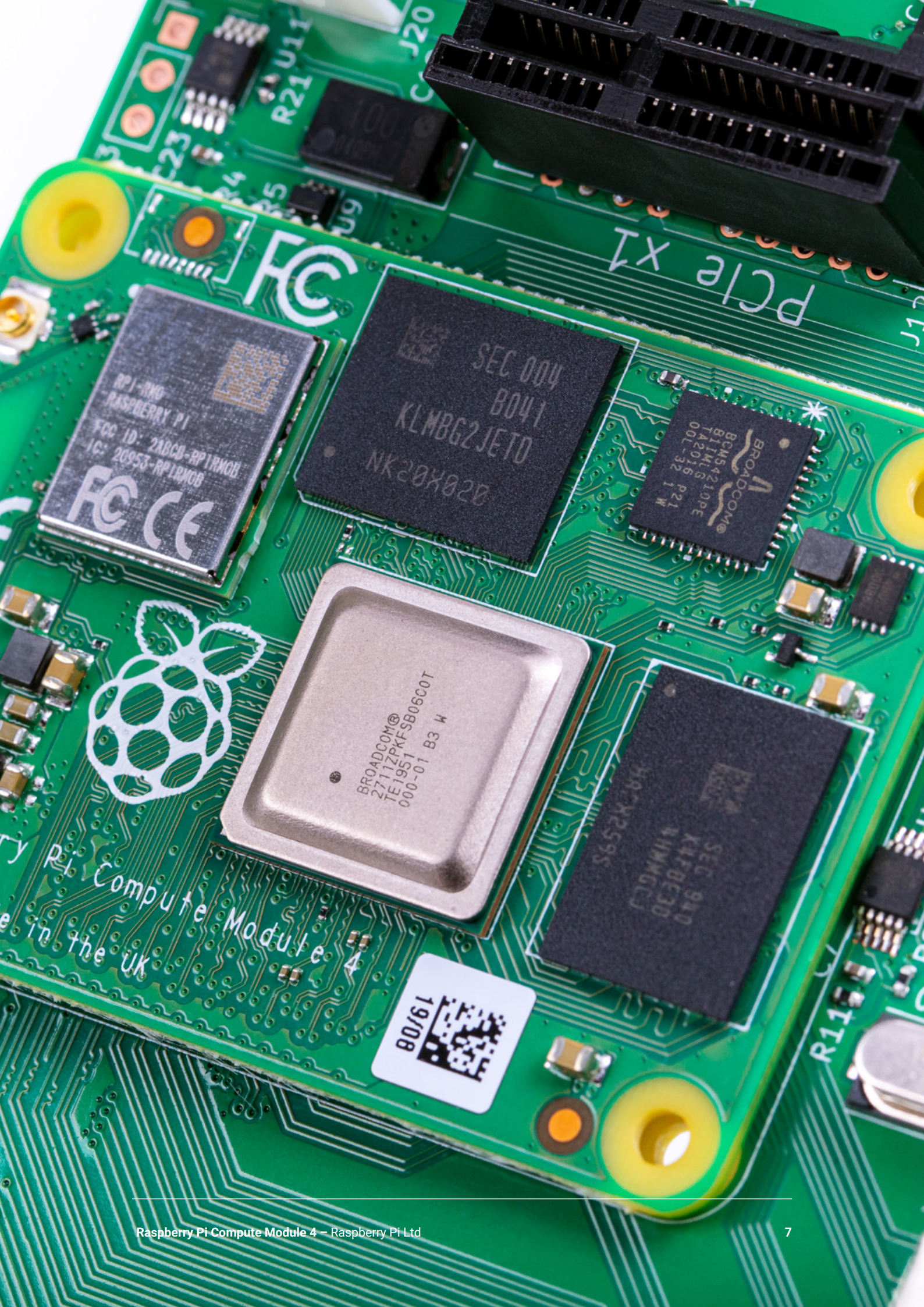
* pricing excludes sales tax and any applicable import duties

Extended temperature range variants

Part Number	Wireless	RAM	eMMC	Availability	Price[1]
CM4001000ET	No	1GB	0GB (Lite)	Available to order/MOQ[2]	$50
CM4001016ET			16GB	Available to order/MOQ[2]	$65
CM4002000ET		2GB	0GB (Lite)	Available to order/MOQ[2]	$55
CM4002016ET			16GB	Available to order/MOQ[2]	$65
CM4004000ET		4GB	0GB (Lite)	Typically held in stock in our network	$70
CM4004016ET			16GB	Available to order/MOQ[2]	$80
CM4101000ET	Yes	1GB	0GB (Lite)	Typically held in stock in our network	$55
CM4101016ET			16GB	Available to order/MOQ[2]	$65
CM4102000ET		2GB	0GB (Lite)	Available to order/MOQ[2]	$60
CM4102016ET			16GB	Typically held in stock in our network	$70
CM4104000ET		4GB	0GB (Lite)	Typically held in stock in our network	$75
CM4104016ET			16GB	Available to order/MOQ[2]	$85

[1] pricing excludes sales tax and any applicable import duties

[2] available to order 1Ku MOQ with typical lead time of 10-12 weeks


PCIe x1
RPI-RNG
RASPBERRY PI
FCC ID: 2ABCB-RPIRNGB
IC: 20953-RPIRNGB
SEC 004
B041
KLMBG2JETD
BROADCOM®
BCM54210PE
Pi Compute Module 4
e in the UK