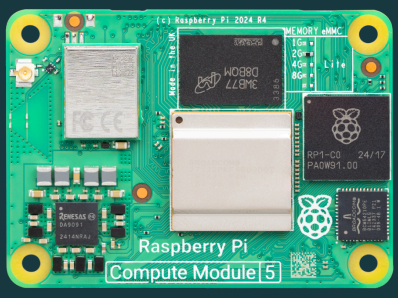
seeed studio

INDUSTRIAL PRODUCT DATASHEET

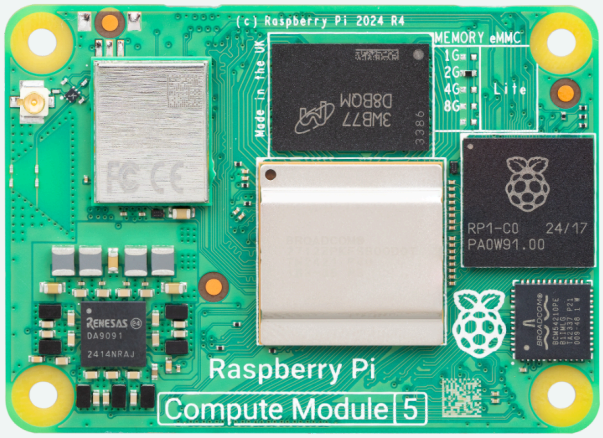
Raspberry Pi Compute Module 5 - 8GB RAM, 16GB eMMC, 2.4/5.0GHz Wi-Fi & Bluetooth 5.0 (CM5108016)

This version of the Raspberry Pi Compute Module 5 includes a quad-core Arm Cortex-A76 processor, 8GB LPDDR4 RAM, 16GB eMMC, dual 4Kp60 HDMI output, hardware video decode at up to 4Kp60, Gigabit Ethernet, 2.4/5.0GHz Wi-Fi &...

SKU	UPDATED	PRICE
102111081	2026-11-21 06:12:14	$214.50(Excl. VAT)



Overview



This version of the Raspberry Pi Compute Module 5 includes a quad-core Arm Cortex-A76 processor, 8GB LPDDR4 RAM, 16GB eMMC, dual 4Kp60 HDMI output, hardware video decode at up to 4Kp60, Gigabit Ethernet, 2.4/5.0GHz Wi-Fi & Bluetooth 5.0, USB 3.0, dual camera interfaces, and PCIe Gen 2 x1 interface.

Key Features

01 **High-performance quad-core Arm Cortex-A76 processor running at 2.4GHz, delivering exceptional computing power.**

02 **Dual 4Kp60 HDMI output for stunning visual experiences and multi-display support.**

03 **Optional certified wireless module providing IEEE 802.11 b/g/n/ac Wi-Fi and Bluetooth 5.0 connectivity.**

04 **Designed with B to B connectors for enhanced stability**

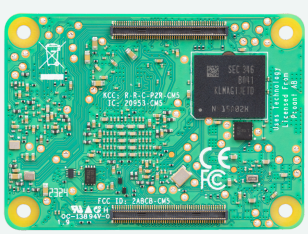
05 **Gigabit Ethernet PHY supporting IEEE 1588 for precise time synchronization.**

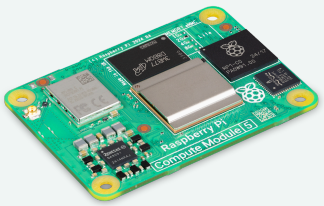
06 **Flexible memory options, including 2GB, 4GB, 8GB, or 16GB LPDDR4 SDRAM with ECC, and eMMC flash storage up to 64GB.**

07 **Extensive I/O interfaces, including PCIe 2.0, USB 3.0, MIPI DSI/CSI-2, and up to 30 GPIOs supporting various protocols (UART, I2C, SPI, etc.).**

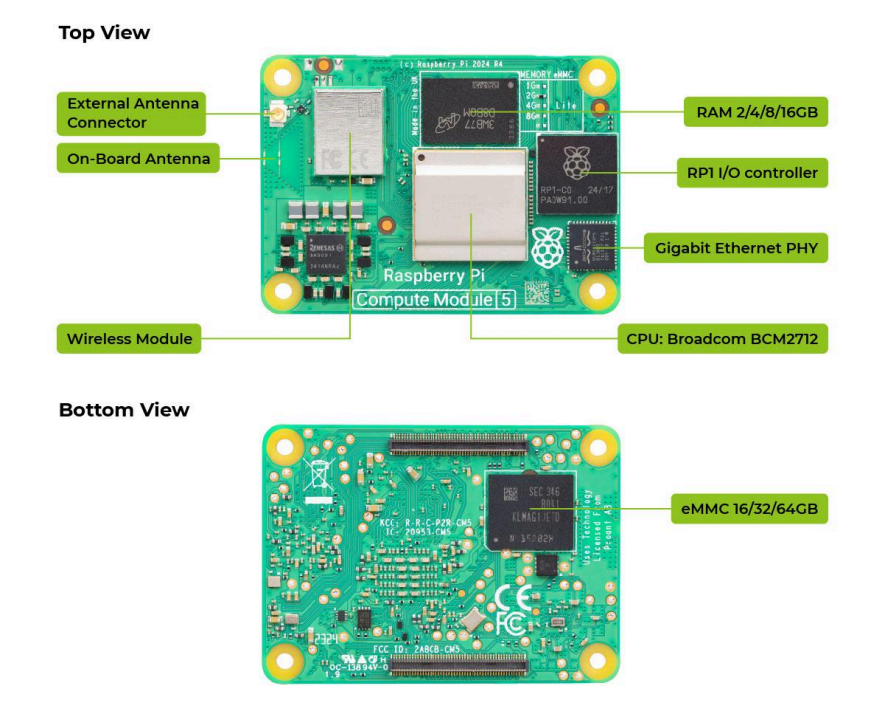
08 **4Kp60 HEVC decoder and OpenGL ES 3.1 graphics with Vulkan 1.2 support for advanced multimedia capabilities.**

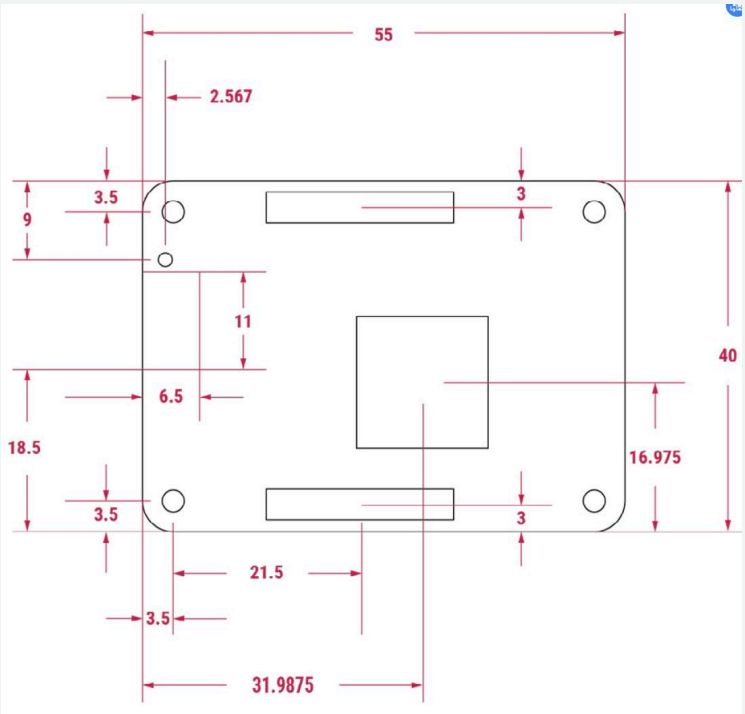
Product Gallery





Hardware Overview





Resource Links

- https://www.seeedstudio.com/Raspberry-Pi-Compute-Module-CM5108016-p-6294.html
- Raspberry Pi Compute Module 5 product brief
- Raspberry Pi Compute Module 5 datasheet
- Raspberry Pi Compute Module 5 design files

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com