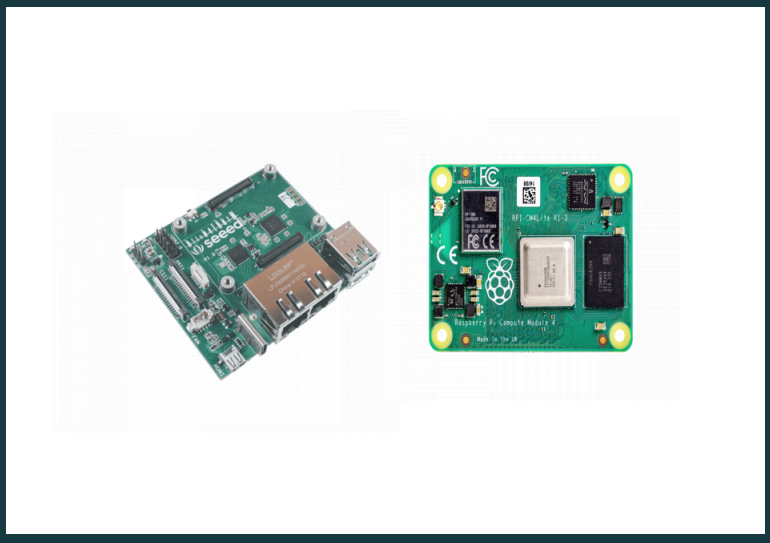
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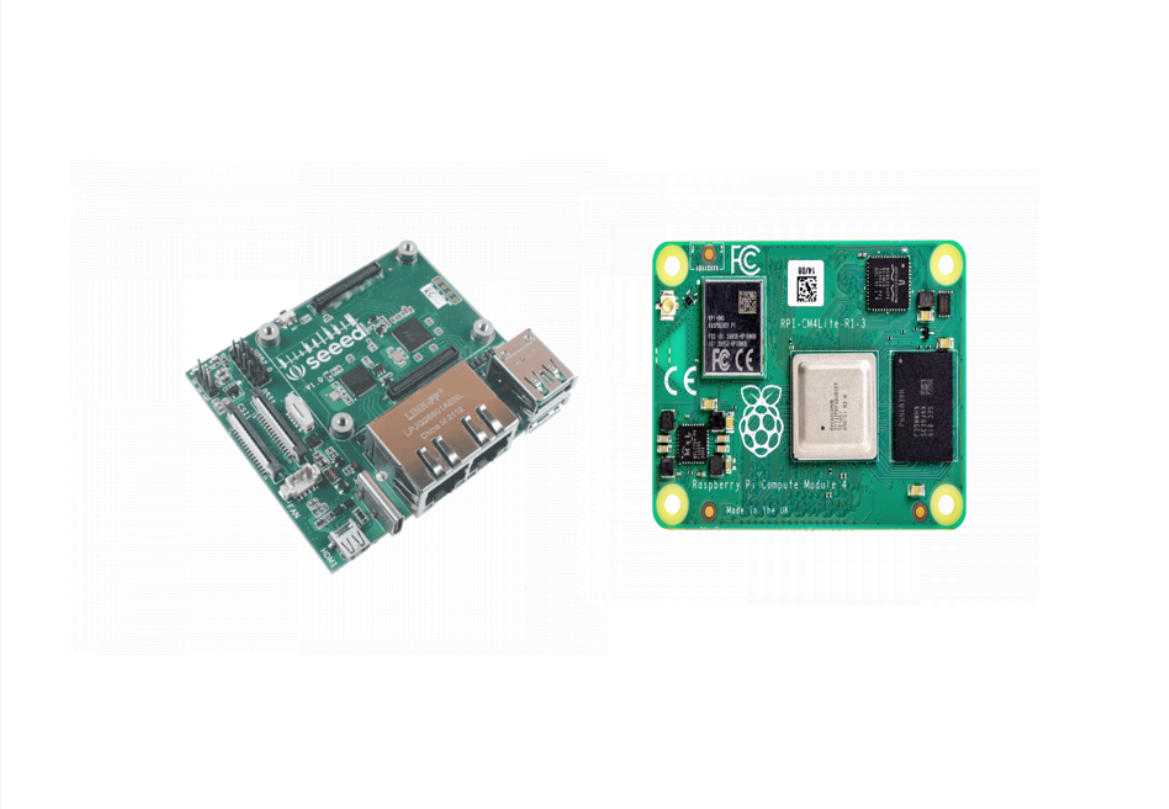
Dual Gigabit Ethernet NICs Carrier Board with Raspberry Pi Compute Module 4 - 2GB RAM, 2.4/5.0GHz Wi-Fi & Bluetooth 5.0

Compact carrier board for Raspberry Pi CM4 offering dual Gigabit Ethernet, USB 3.0, micro-HDMI, and versatile I/O expansion in a 75x64x21mm footprint.

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Overview

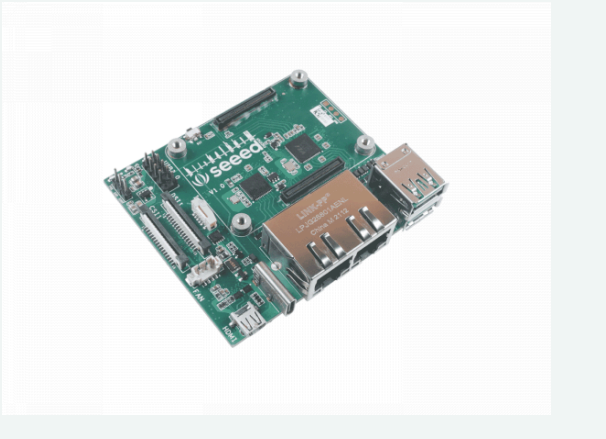


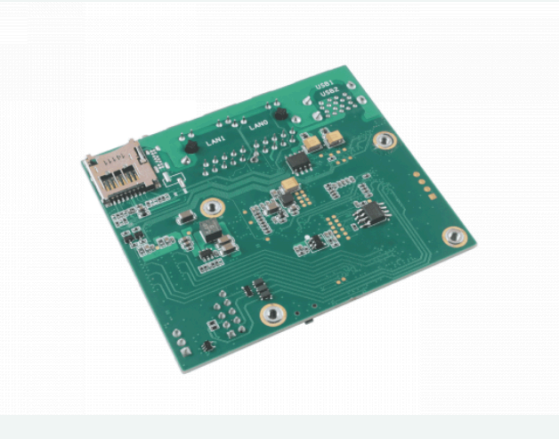
The Dual Gigabit Ethernet Carrier Board for Raspberry Pi CM4 provides dual Gigabit Ethernet connectors for customizable network router applications. Its compact 75x64x21mm design integrates two USB 3.0 ports, micro-HDMI, Type-C power, and rich expansion interfaces including MIPI CSI/DSI, I2C, SPI, UART, a fan connector, and a Micro-SD slot.

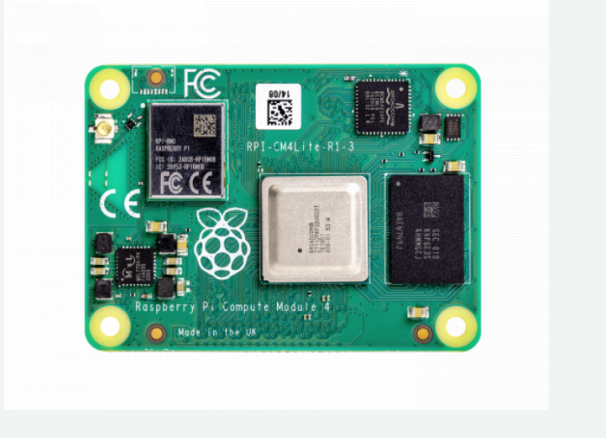
Key Features

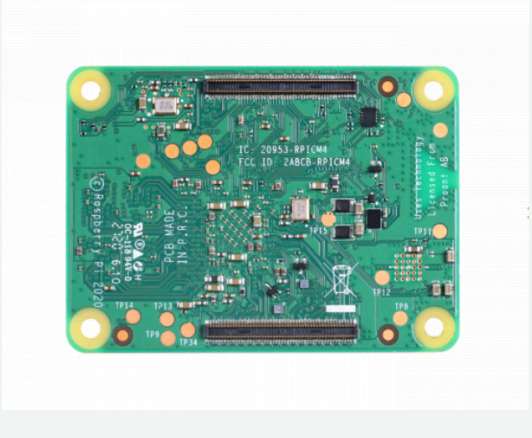
- **Dual Gigabit Ethernet Carrier Board for Raspberry Pi CM4**: Provide dual gigabit ethernet connectors based on CM4 for customizable network router applications
- **Integrated Peripherals in Compact Size**: 75x64x21mm size overall, integrated two USB 3.0 standard connectors with an additional 9-pin header, one micro-HDMI interface, and one Type-C power supply
- **Rich Components on the board**: Provide MIPI CSI/ MIPI DSI for the camera, FPC connector for I2C & SPI, alone with UART IO, a 4-pin fan connector, and one Micro-SD Card Slot

Product Gallery









Specification

Specification	Details
Processor	Broadcom BCM2711 quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz
Memory	2GB LPDDR4
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
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

Specification	Details
Multimedia	H.265 (4Kp60 decode); H.264 (1080p60 decode, 1080p30 encode); OpenGL ES 3.0 graphics
Input power	5V DC
Operating temperature	0 to +80°C
Dimensions	55 mm × 40 mm
Production lifetime	Raspberry Pi Compute Module 4 will remain in production until at least January 2028
Compliance	For a full list of local and regional product approvals, please visit: www.raspberrypi.org/documentation/hardware/raspberrypi/conformity.md

Specification	Details
Networking	Dual Gigabit Ethernet Connectors
USB 3.0 to GbE (Gigabit Ethernet Bridge)	Microchip's LAN7800
USB	2 x USB 3.0 Ports 1 x USB 3.0 9-Pin Header
Storage	Micro-SD Card Slot (load system Image for non-eMMC CM4 version)
Camera	1 x MIPI CSI Connector
Display	1 x MIPI DSI Connector 1 x Micro HDMI Connector
FPC	Interface for I2C and SPI
External Fan	Power connector for fan (For reference, please check this fan. The power connector fits)
Power	5V/3A using USB Type-C Port
LAN7800 Industrial Temperature Range	-40°C to +85°C
Dimensions	75x64x21mm
Weight	43g

Resource Links

- https://www.seeedstudio.com/Dual-Gigabit-Ethernet-NICs-Carrier-Board-with-Raspberry-Pi-2GB-p-5565.html

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