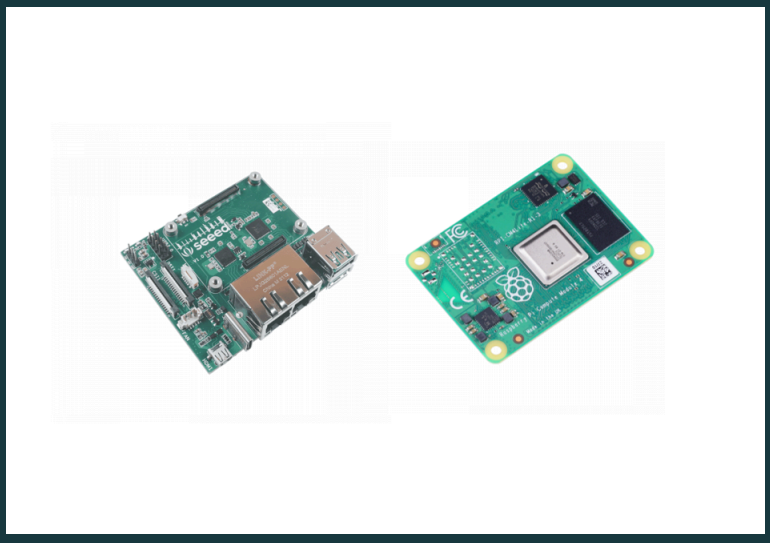
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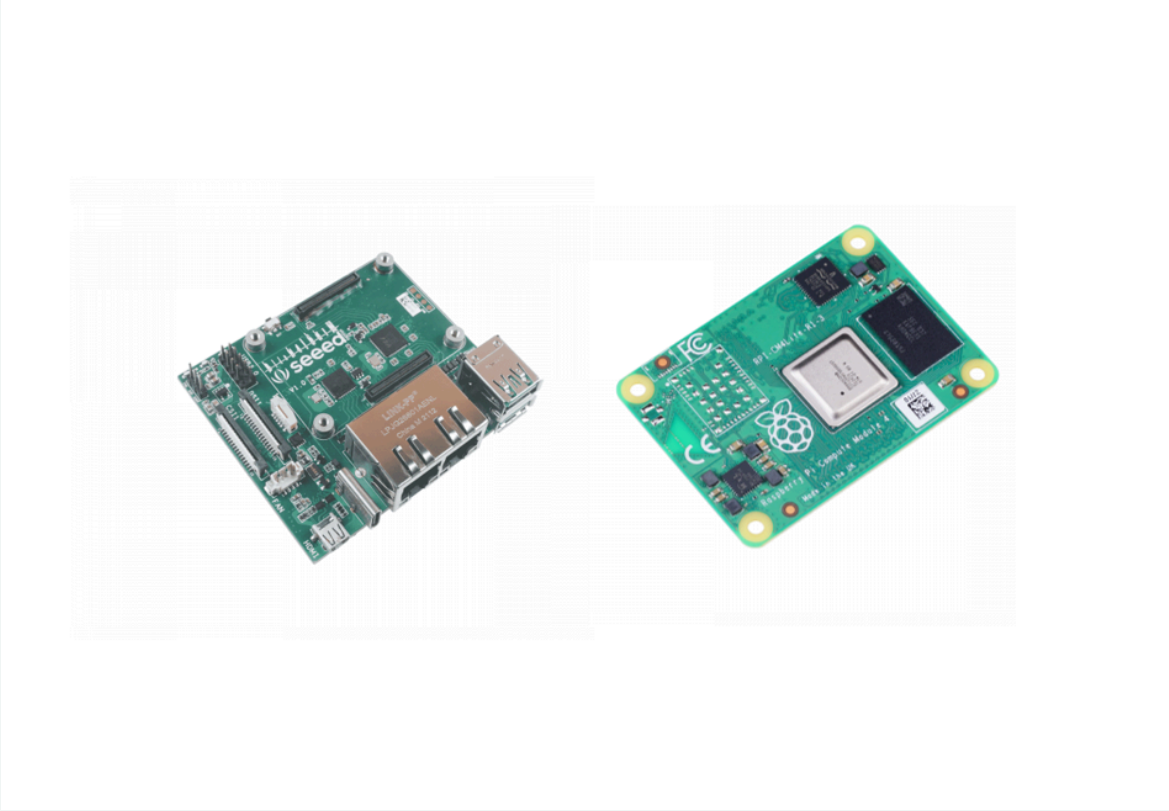
Dual Gigabit Ethernet NICs Carrier Board with Raspberry Pi Compute Module 4 (CM4) - 8GB RAM

Compact carrier board with dual Gigabit Ethernet and Raspberry Pi CM4 (8GB RAM) for network routing, featuring USB 3.0, micro-HDMI, and multiple expansion interfaces.

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Overview

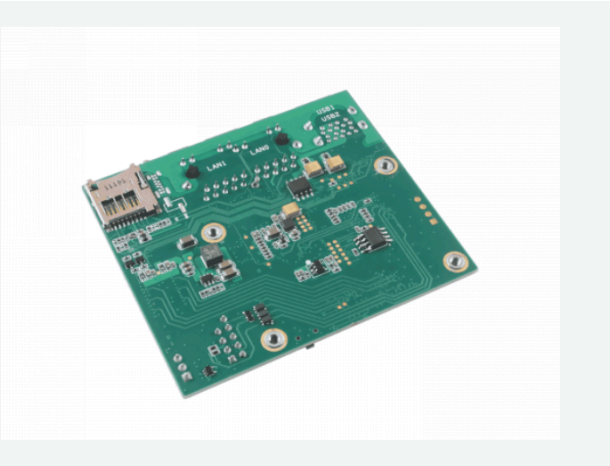


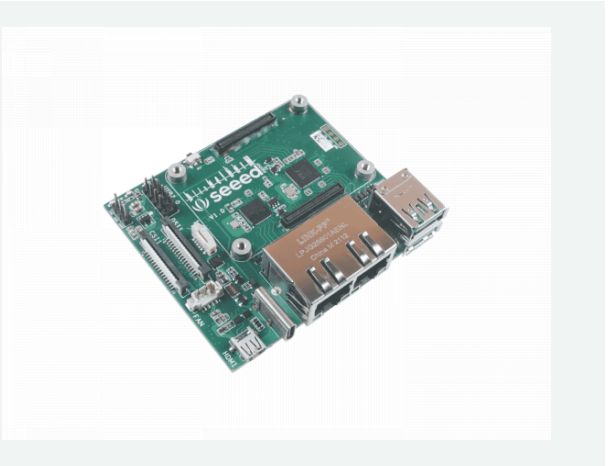
The Dual Gigabit Ethernet NICs Carrier Board with Raspberry Pi Compute Module 4 (8GB RAM) provides dual gigabit Ethernet connectors for customizable network router applications. It integrates peripherals in a compact 75x64x21mm size, including two USB 3.0 ports, micro-HDMI, and expansion options via MIPI CSI/DSI, I2C, SPI, UART, and Micro-SD.

Key Features

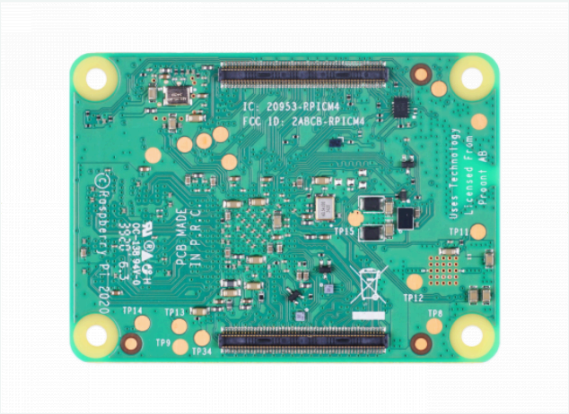
- **Dual Gigabit Ethernet Carrier Board for Raspberry Pi CM4**: Provide dual gigabit ethernet connectors based on CM4 for customizable network router applications
- **Integrated Peripherals in Compact Size**: 75x64x21mm size overall, integrated two USB 3.0 standard connectors with an additional 9-pin 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	8GB LPDDR4
Connectivity	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

Specification	Details
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-8GB-RAM-p-5566.html

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