

COMPACT MINI ROUTER

WITH OPENWRT, YOU WILL HAVE UNLIMITED POSSIBILITIES WITH THIS MINI ROUTER!

The Dual Gigabit Carrier Board powered by Raspberry Pi Compute Module 4 is equipped with dual Gigabit Ethernet ports and dual USB 3.0 ports, making it suitable for soft router applications, while keeping the hardware to a minimum. We have pre-installed a Raspberry Pi Compute Module 4 with 4GB RAM and 32GB eMMC to enable fast boot-up times and a smooth overall experience. Also, this comes included with a PC/ABS case with an Aluminum alloy on top which has a large sink in order to cool down the CM4 at extreme loads.

- **Powered By:** Raspberry Pi Compute Module 4 with 4GB RAM/ 32GB eMMC.
- **Compliance:** For a full list of local and regional product approvals, please visit: www.raspberrypi.org/documentation/hardware/raspberrypi/conformity.md
- **Various connections:** using BLE, Ethernet, Bluetooth, USB & SD card connectivity.



Carrier Board

Specifications	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
Power	5V/3A using USB Type-C Port
LAN7800 Industrial Temperature Range	-40°C to +85°C
Dimensions	75x64x21mm
Weight	43g

Compute Module 4

Specifications	Details
Processor	Broadcom BCM2711 quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz
Memory	4GB LPDDR4
Storage	32GB eMMC
Connectivity	2.4GHz and 5.0GHz IEEE 802.11b/g/n/ac Wi-Fi, 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
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

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