

INDUSTRIAL PRODUCT DATASHEET

reRouter CM4 102064 - Raspberry Pi Based Mini Router, Travel Router, Dual Gigabit Ethernet, OpenWRT OS

reRouter CM4 102064 – Raspberry Pi Based Mini Router with Dual Gigabit Ethernet and Pre-installed OpenWRT OS.

SKU

100012706

UPDATED

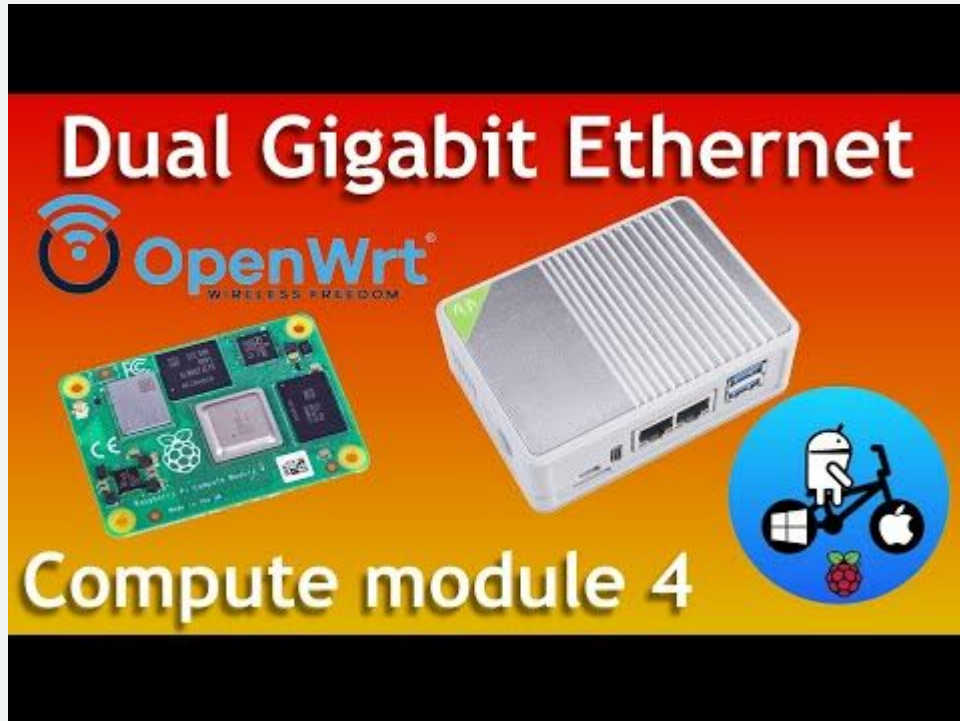
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PRICE

\$294.00(Excl. VAT)



Overview



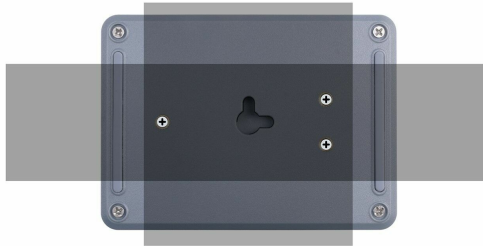
The reRouter CM4 102064 is a compact Raspberry Pi Compute Module 4 based mini router with dual Gigabit Ethernet ports, dual USB 3.0 ports, and pre-installed OpenWRT firmware for fast boot times and easy software router deployment. It supports rich IO peripherals including Micro-SD card slot, micro-HDMI, MIPI CSI/DSI, and DIN rail/keyhole mounting, making it suitable for software router, IoT, smart home, and camera/video-related projects.

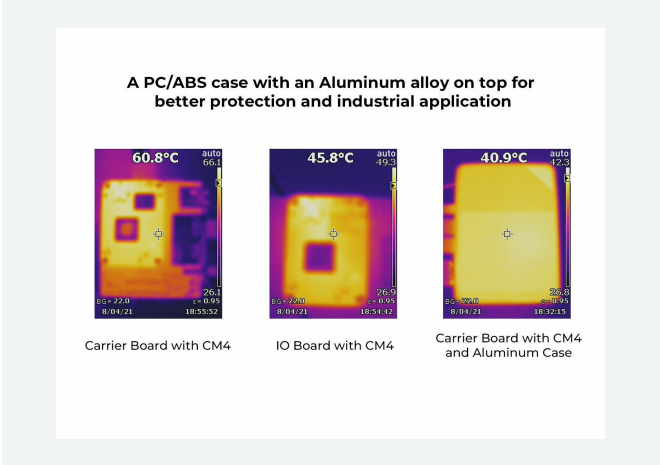
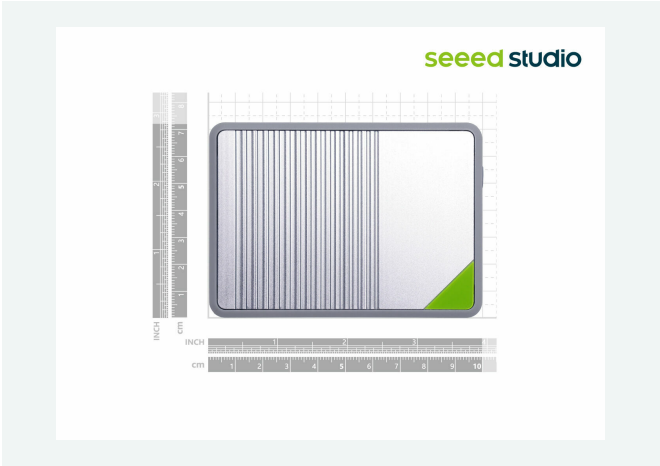
Key Features

- Fast boot times and smooth overall experience: Powered by Raspberry Pi Compute Module 4 and 2GB RAM/64GB eMMC
- Compact and highly integrated: 75x64x21mm in size, with dual Gigabit Ethernet ports and dual USB3.0 ports
- Highly scalable with rich IO peripherals: dual Gigabit Ethernet connectors, Micro-SD card slot, micro-HDMI interface, USB 3.0, MIPI CSI, MIPI DSI, etc.
- Easy to deploy with stability: DIN rail mount and keyhole slot allow you to hang it anywhere
- Pre-installed OpenWRT firmware: Out of the box, can easily implement software router applications
- Customization Supported: Contact *edge@seeed.cc for your customization needs

Product Gallery

DIN Rail Mount





Specification

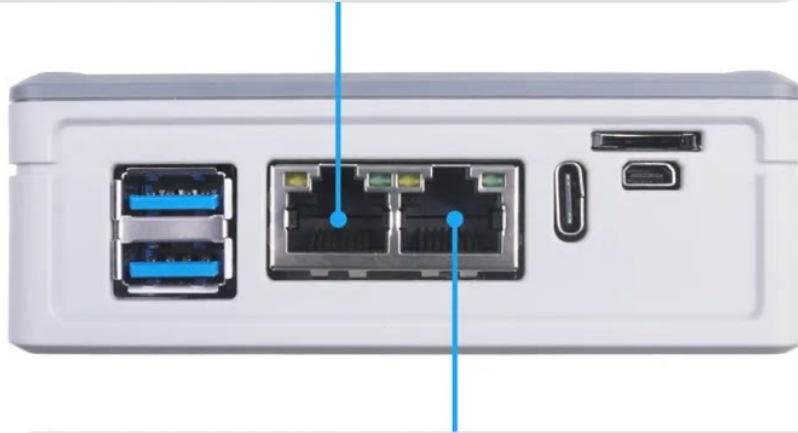
Networking	Dual Gigabit Ethernet Connectors
USB 3.0 to GbE(Gigabit Ethernet Bridge)	Microchip's LAN7800
USB	2 x USB 3.0 Ports1 x USB 3.0 9-Pin Header
Storage	Micro-SD Card Slot (load system Image for non-eMMC CM4 version)
Camera	1 x MIPI CSI Connector
Display	1 x MIPI DSI Connector1 x Micro HDMI Connector
FPC	Interface for I2C and SPI

External Fan	Power connector for fan
Power	5V/3A using USB Type-C Port
LAN7800 IndustrialTemperature Range	-40°C to +85°C
Dimensions	75x64x21mm
Weight	43g

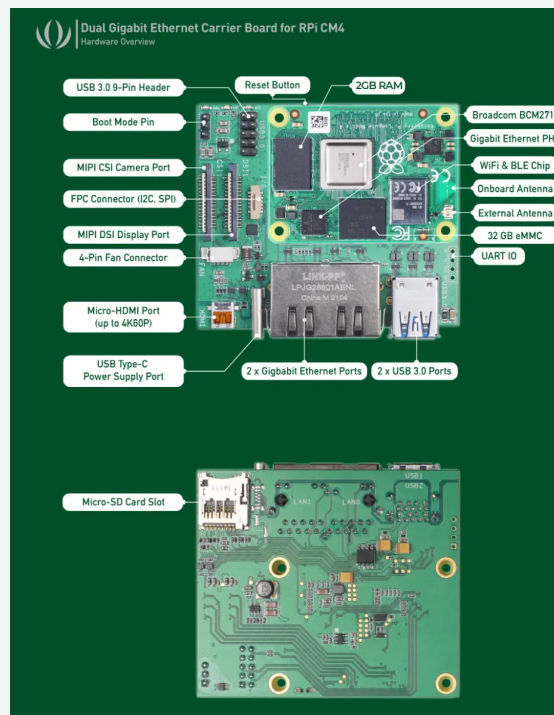
Processor	Broadcom BCM2711 quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz
Memory	2GB LPDDR4
Storage	64GB eMMC
Connectivity	2.4GHz and 5.0GHz IEEE 802.11b/g/n/ac Wi-Fi, Bluetooth 5.0, BLE with onboard and external antenna options
	Onboard Gigabit Ethernet PHY supporting IEEE1588
	1 × USB 2.0 interface
	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	at least January 2034
Compliance	Documents - Product Information Portal - Raspberry Pi

Hardware Overview

Gigabit Ethernet PHY of CM4 module (Broadcom BCM54210PE)



Microchip LAN7800 (USB 3.0 to Gigabit Ethernet Bridge) –
USB3.0 extended from PCIe of CM4



Applications

- **Software Router**
- **IoT applications**
- **Smart Home**
- **Camera / Video-related Projects**

Part List

Dual Gigabit Ethernet Carrier Board for Raspberry Pi CM4 with 2GB RAM, 64GB eMMC	x1
Aluminum Case	x1
International Wall Adapter Power Supply 5VDC 4A – Type-C (with US/AU/UK/EU plugs)	x1

Compliance & Logistics

HSCODE	8471419000
USHSCODE	8517180050
UPC	
EUHSCODE	8471707000
COO	

Resource Links

- <https://www.seeedstudio.com/reRouter-CM4-102064-p-6979.html>
- [Schematics](#)
- [Microchip LAN7800 Datasheet](#)
- [Seeed's Raspberry Pi-based Success Cases](#)
- [Seeed Rasperry Pi Flyer](#)

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