

INDUSTRIAL PRODUCT DATASHEET

reRouter CM4 1464 - Raspberry Pi Based Mini Router, Travel Router, Dual Gigabit Ethernet, OpenWRT OS

Compact Raspberry Pi CM4 travel router with dual Gigabit Ethernet, OpenWRT, and 4GB RAM/64GB eMMC for software router, IoT, smart home, and camera/video projects.

SKU

100009245

UPDATED

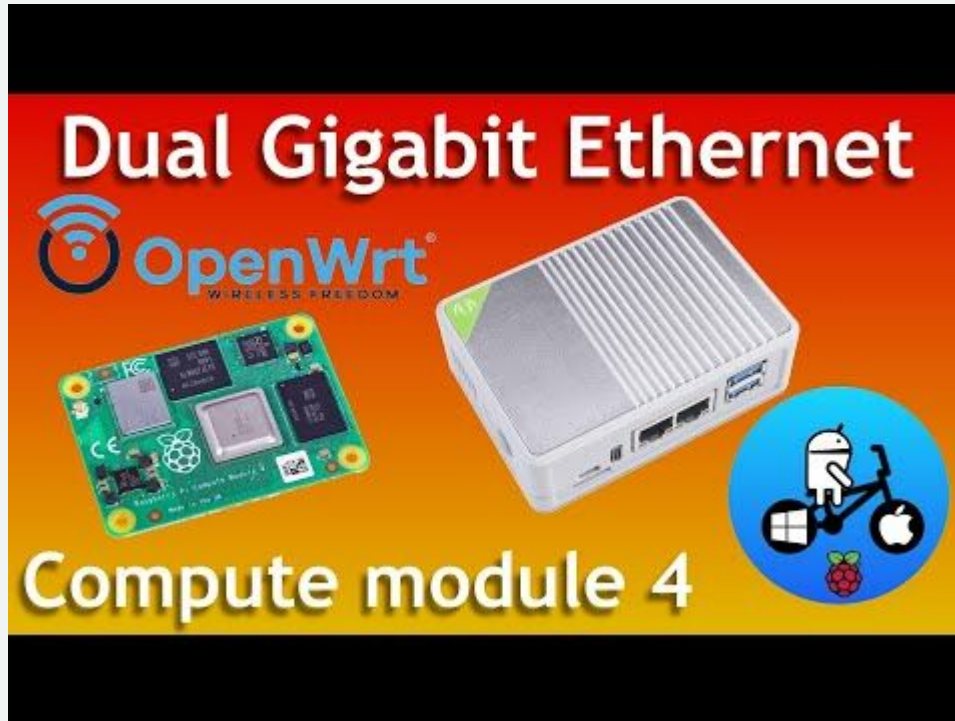
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PRICE

\$256.40(Excl. VAT)



Overview



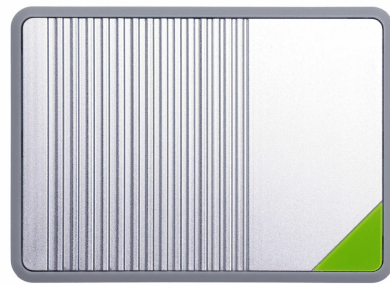
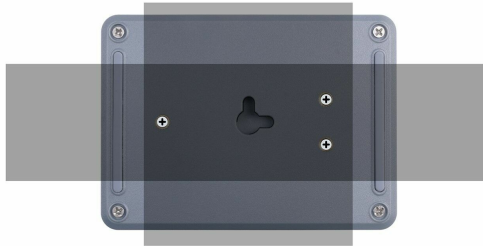
The reRouter CM4 1464 is a compact (75x64x21mm) Raspberry Pi Compute Module 4-based mini router with dual Gigabit Ethernet ports, dual USB 3.0 ports, and pre-installed OpenWRT firmware. It features 4GB RAM/64GB eMMC, rich IO peripherals (Micro-SD, micro-HDMI, MIPI CSI/DSI), DIN rail and keyhole mounting, and is suited for software router, IoT, smart home, and camera/video applications.

Key Features

- Fast boot times and smooth overall experience: Powered by Raspberry Pi Compute Module 4 and 4GB 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

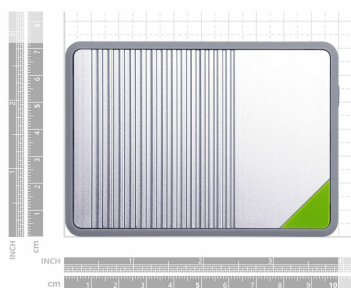
Product Gallery

DIN Rail Mount

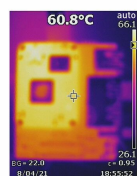




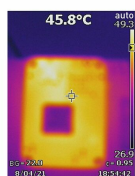
seeed studio



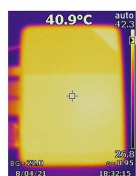
A PC/ABS case with an Aluminum alloy on top for better protection and industrial application



Carrier Board with CM4



IO Board with CM4



Carrier Board with CM4 and Aluminum Case

Specification

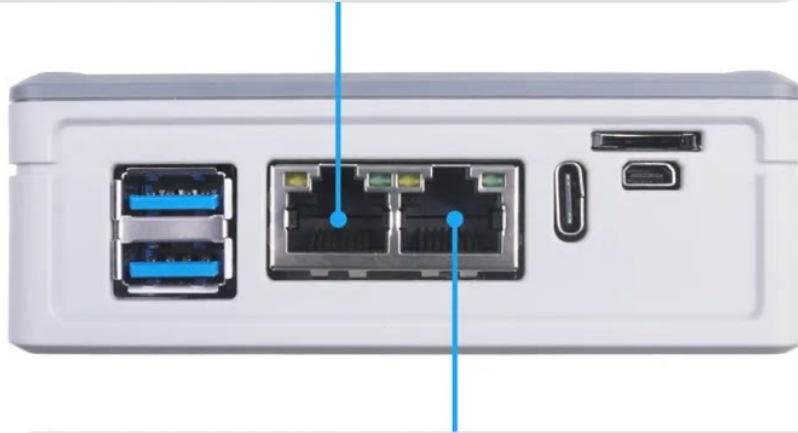
Networking	Dual Gigabit Ethernet Connectors
USB 3.0 to GbE(Gigabit Ethernet Bridge)	Microchip's LAN7800
USB	2 x USB 3.0 Ports1 x USB 3.0 9-Pin Header
Storage	Micro-SD Card Slot (load system Image for non-eMMC CM4 version)
Camera	1 x MIPI CSI Connector
Display	1 x MIPI DSI Connector1 x Micro HDMI Connector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

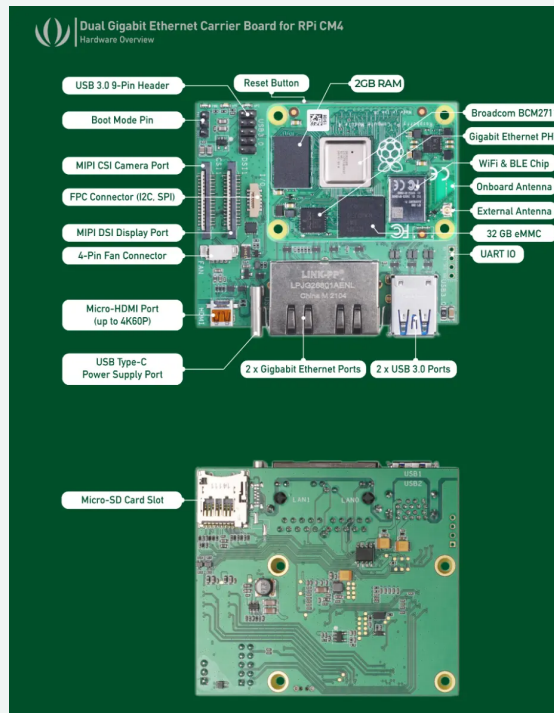
Processor	Broadcom BCM2711 quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz
Memory	4GB LPDDR4
Storage	64GB eMMC
Connectivity	2.4GHz and 5.0GHz IEEE 802.11b/g/n/ac Wi-Fi, Bluetooth 5.0, BLE with onboard and external antenna options
	Onboard Gigabit Ethernet PHY supporting IEEE1588
	1 × USB 2.0 interface
	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	

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 4GB 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-CM4-1464-p-6976.html>
- [Schematics](#)
- [Microchip LAN7800 Datasheet](#)
- [Seeed's Raspberry Pi-based Success Cases](#)
- [Seeed Rasperry Pi Flyer](#)

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