

INDUSTRIAL PRODUCT DATASHEET

Raspberry Pi Router Board for CM4 module (with two full-speed gigabit network ports, low cost, Wifi and working as a router with Openwrt)

Low-cost Raspberry Pi CM4 router board with dual gigabit Ethernet, WiFi, OpenWRT support, and versatile applications for smart office, smart home, IoT, and mini server.

SKU

103110042

UPDATED

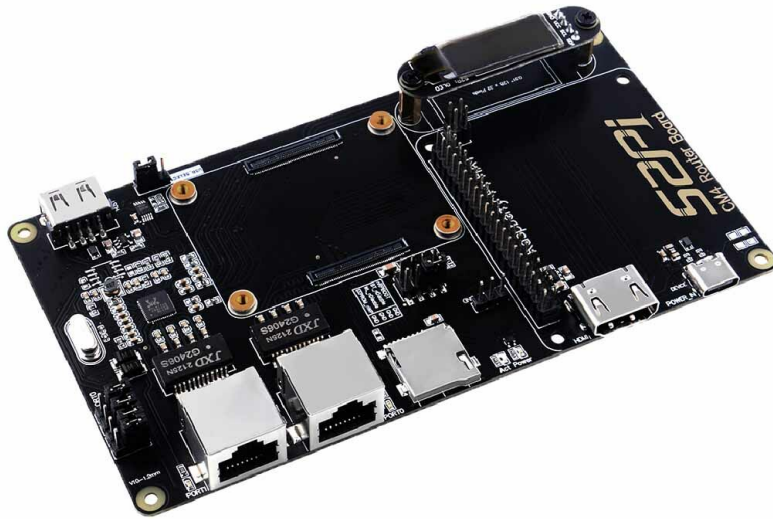
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PRICE

\$54.90(Excl. VAT)



Overview

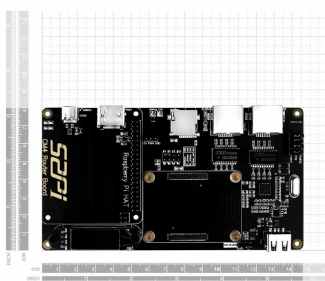
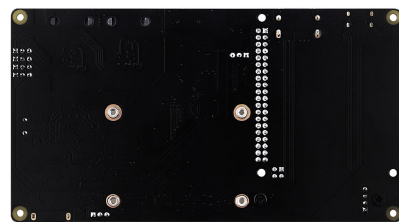
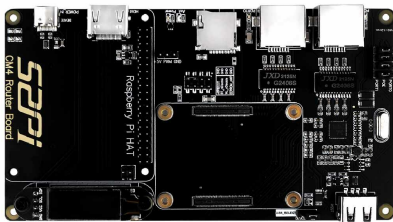


The Raspberry Pi Router Board for CM4 module integrates a high-performance RTL8111E gigabit Ethernet controller, dual USB2.0, micro-HDMI, and a fan interface with PWM control, delivering dual full-speed gigabit network ports. It runs OpenWRT and is compatible with Raspberry Pi OS and Ubuntu Server, enabling use as a smart router, mini-NAS, wireless bridge, or IoT platform.

Key Features

- **Powerful chip:** High-performance Gigabit ethernet controller RTL8111E chip, JXD 2111x G2406s chip as an isolation transformer
- **Highly scalable with rich IO peripherals:** Master-slave dual USB2.0, Micro-SD card slot, micro-HDMI interface, 5V DC Fan interface, etc
- **User-friendly development environment:** Provides OpenWRT open-source router system, compatible with Raspberry OS, Ubuntu Server, and other Raspberry Pi systems
- **Controllable speed of fan:** 5V DC Fan interface supports 5V cooling fan and also PWM protocol, which means you can control the speed of fan blades via PWM signal
- **Multi-function:** Build high-performance gateways, smart routers, and home IoT platforms, or used as a mini-NAS, wireless network bridge, or mini server

Product Gallery



Specification

Compatible Module	Raspberry Pi Compute Module 4 series
POE HAT	- Support POE HAT to supply power to the board - Support POE HAT for external power supply
Interfaces	- Full-speed dual gigabit network interface - Master-slave dual USB2.0 interface - Micro SD card slot used to support non-eMMC version of CM4 - Standard HDMI video output interface 5V DC fan interface(Support controlling via PWM signal)
Ethernet	High-performance Gigabit ethernet controller RTL8111E chip, JXD 2111x G2406s chip as an isolation transformer - Port0: Compute Module 4 Built-In - Port1: PCI Express 1000BASE-T NIC
GPIO	40Pin GPIO compatible with Raspberry Pi
Power Supply	USB-C(Type-C) 5V/3A interface
Operating Temperature	0°C~80°C
Dimension	146 x 80mm

Applications

- Smart Office
- Smart Home
- IoT
- mini Server

Compliance & Logistics



HSCODE	8543909000
USHSCODE	8543903500
UPC	
EUHSCODE	8471707000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/CM4-Router-Board-p-5211.html>
- [CM4 Router Board pin description.pdf](#)
- [Software&Openwrt.pdf](#)

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