

# Dual Gigabit Ethernet Carrier Board for Raspberry Pi Compute Module 4

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## PRODUCT DETAILS

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### Danger

Due to the high level of integration of this product, it must be used with a [CM4 heat sink](#). Otherwise it may cause USB or Ethernet instability

### Note

A [Raspberry Pi Compute Module 4](#) is not included with this product.

## Features

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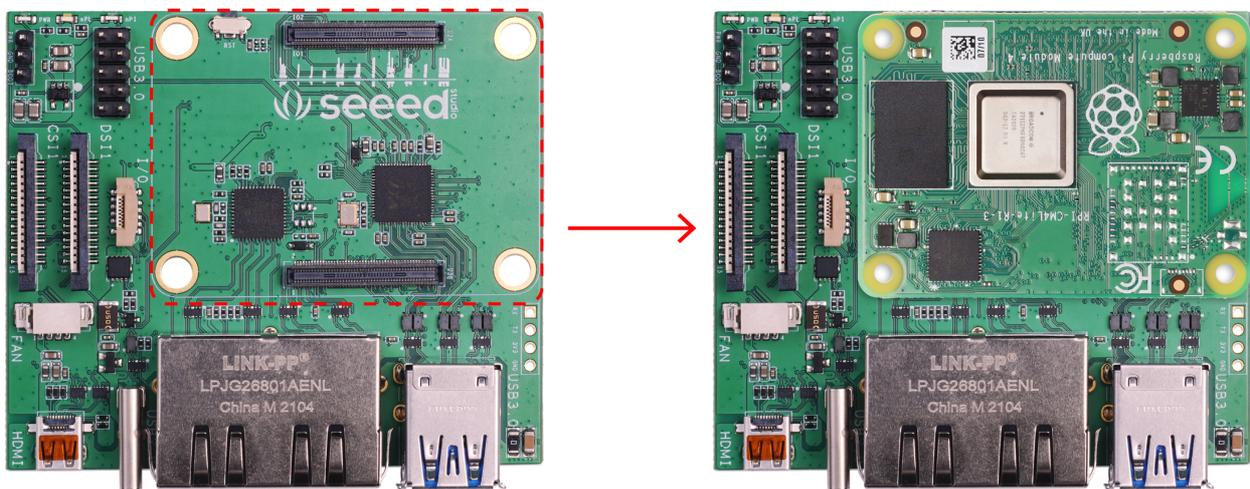
- Compact size (75x64x21mm) with rich I/O peripherals
- Dual Gigabit Ethernet connectors for soft router applications
- Camera/ display connectivity using MIPI CSI, MIPI DSI and micro-HDMI interfaces
- Onboard dual USB 3.0 with an additional USB 3.0 9-pin header for more external ports
- Micro-SD Card slot to load system image for non-eMMC version of CM4

- More Expandability via FPC Connector (I2C, SPI)
- External fan support with fan power connector
- Power using USB Type-C

## Description

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 minimal.

It features a variety of I/O peripherals such as MIPI CSI, MIPI DSI, micro-HDMI to connect displays/ cameras, a standard 9-pin USB 3.0 header for more USB expansion, a micro-SD card slot, and an FPC connector, while maintaining a compact form factor! This board is ideal for HTPC makers, Linux developers, software router enthusiasts, and the majority of regular Raspberry Pi users.



## Specifications

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

<b>Specification</b>	<b>Details</b>
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

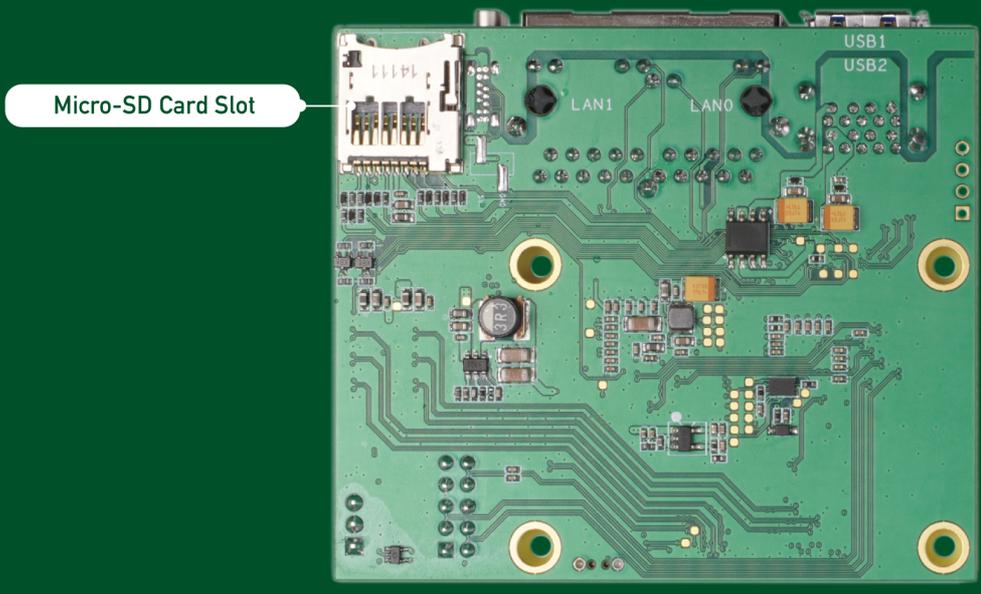
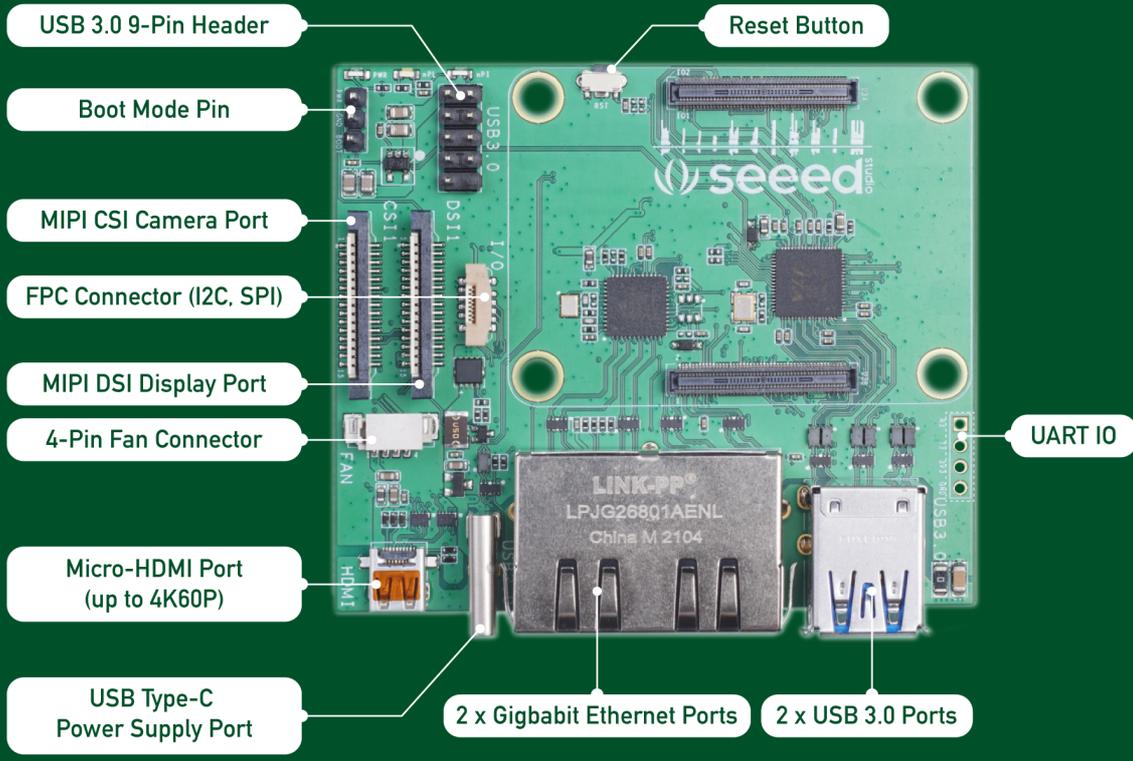
## **Hardware Overview**

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# Dual Gigabit Ethernet Carrier Board for RPi CM4

Hardware Overview



## Applications

- Software Router
- IoT
- Smart Home

- Camera Projects

## Part List

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1 x Dual Gigabit Ethernet Carrier Board for Raspberry Pi Compute Module 4

## ECCN/HTS

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UPC