# cod.m ZigBee Coordinator V1.2 (LAN/WLAN/USB)

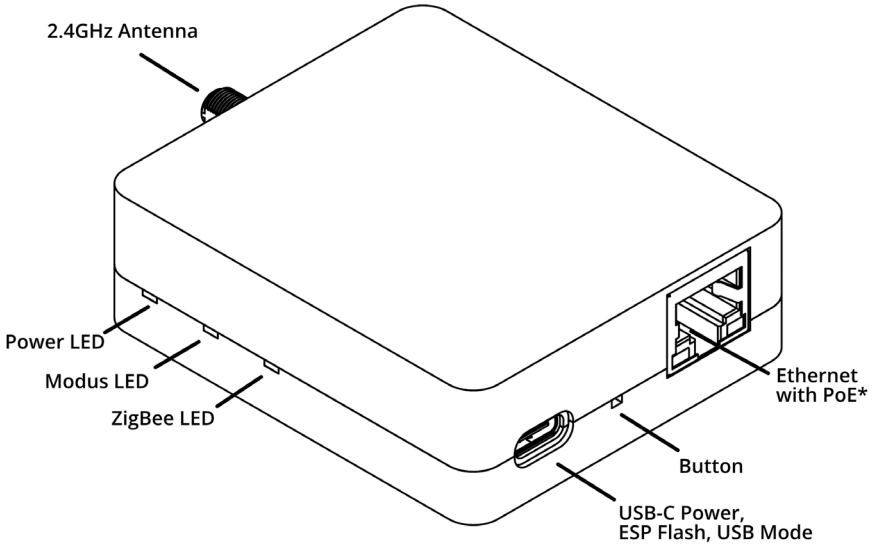
- CC2652P7 Texas Instruments multiprotocol 2.4GHz radio module
- ZigBee 3.x, Z-Stack firmware (Koenkk)
- Compatible with zigbee2mqtt (z2m), Home Assistant (zha), ioBroker, etc. Automatic detection by Home Assistant (zha)
- Operation via LAN, Wi-Fi or USB
- PoE (802.3af) or USB-C powered Less than 1W power consumption
- ESP32 open source firmware (cod.m XZG fork) https://github.com/codm/czc-fw/
- CC2652P7 firmware update via web interface, device firmware update via web interface or USB-C (Auto-BSL)
- Role selectable via web interface: coordinator, router, thread border router (under development)
- 3D-printed case, can also be used for wall-mounting (CC-BY-NC-SA)
- 9cm external antenna, included
- Made in Germany, CE, RoHS, WEEE

## 1. Hardware

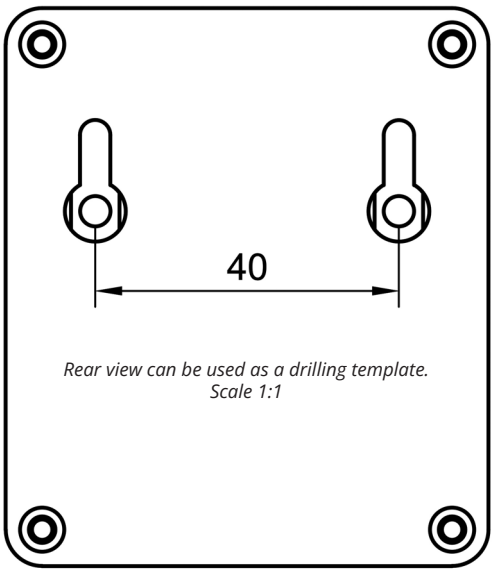
The flashing power LED (green) indicates that the device is ready for operation. When a connection has been established by the host application, the power LED (green) lights up continuously. When pairing of the ZigBee host application (zigbee2mqtt, zha, etc.) is switched on, the ZigBee LED (yellow) lights up.

The button can be used to switch the operating mode between LAN/WLAN and USB. When USB mode is switched on, the mode LED lights up (red). When using WLAN, please follow the instructions at https://docs.codm.de/en/zigbee/coordinator/

USB power has priority over PoE power and can be plugged in at any time without interruption.
The coordinator restarts when switching back to PoE.




*PoE-Version only




*Rear view can be used as a drilling template. Scale 1:1*

## 2. Commissioning

- Screw the supplied antenna onto the antenna connection.
- Connect the cod.m ZigBee Coordinator (CZC) to the Ethernet and/or USB-C power supply unit.
  When using Power over Ethernet*, the USB power supply unit is not required.
- When the green LED flashes, the coordinator is ready for operation.
- Read the DHCP IP in the router and access it via the browser: **`http://192.168.xx.xx/`**
  Alternatively, use mDNS and access the coordinator at **`http://czc-xxxx.local`**.
  The host name can be found on the product sticker on the back of the housing.
- No further configuration is required for operation. Individual settings and operating modes can be made in the web operating modes can be made in the web interface.

* only in PoE version

## 3. Configuration

Setup zigbee2mqtt

https://lnk.codm.de/zigbee-90810-setup-z2m-en

Setup ioBroker

https://lnk.codm.de/zigbee-90810-setup-iob-en

Setup HomeAssistant

https://lnk.codm.de/zigbee-90810-setup-ha-en

## 4. Intended use

This cod.m ZigBee Coordinator (CZC) module is intended to provide a ZigBee interface (coordinator) via Ethernet, WLAN or USB. Only the specified intended use is permitted. Any other use will invalidate the warranty and liability.

## 5. Notes

Hereby, cod.m GmbH declares that the radio equipment type cod.m ZigBee Coordinator V1.2 is in compliance with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following internet address: https://lnk.codm.de/zigbee-90810-ce

Keep the module away from heat and sunlight. Avoid contact with dust and the influence of from liquids. Only use the module indoors. Protect the module from electrostatic discharge.

## 6. Technical data

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| **Abbreviation:** | cod.m ZigBee Coordinator V1.2, Art. No. 90810 | | **Dimensions:** | Housing 64 x 74 x 22mm |
| **Supply voltage:** | 5V USB-C, max 0.8W<br>PoE 802.3af max 1W | | **Weight:** | 48g incl. housing, without antenna |
| **Ambient temperature:** | +5 bis +45°C | | **Standards:** | IEEE 802.3 LAN<br>IEEE 802.11 WLAN<br>IEEE 802.15.4 ZigBee<br>IEEE 802.2af Power over Ethernet |
| **Protection class:** | IP20 | | | |

**Support via support@codm.de, no telephone support!**

cod.m GmbH
Allendorfer Straße 56
35708 Haiger

+49 2773 91878-0
https://www.codm.de
https://shop.codm.de

Managing Director: Patrik Mayer
Local Court Wetzlar, HRB 6686

UST-ID: DE815516311
WEEE-Reg.-No.: DE78677954