cod.m ZigBee Coordinator V1.0 (LAN/WLAN/USB

cod.m

- CC2652P7 Texas Instruments multiprotocol 2.4GHz radio module

- ZigBee 3.x, Z-Stack firmware (Koenkk)

- Works with zigbee2mqtt (z2m), Home Assistant (zha), ioBroker, etc.
  Automatic recognition by Home Assistant (zha)

- Operation via LAN, Wi-Fi or USB

- Power supply via PoE (802.3af) or USB-C
  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)

- Coordinator role selectable via web interface:
  Coordinator, Router, Thread Border Router (under development)

- 3D-printed housing (CC-BY-NC-SA)

- External antenna

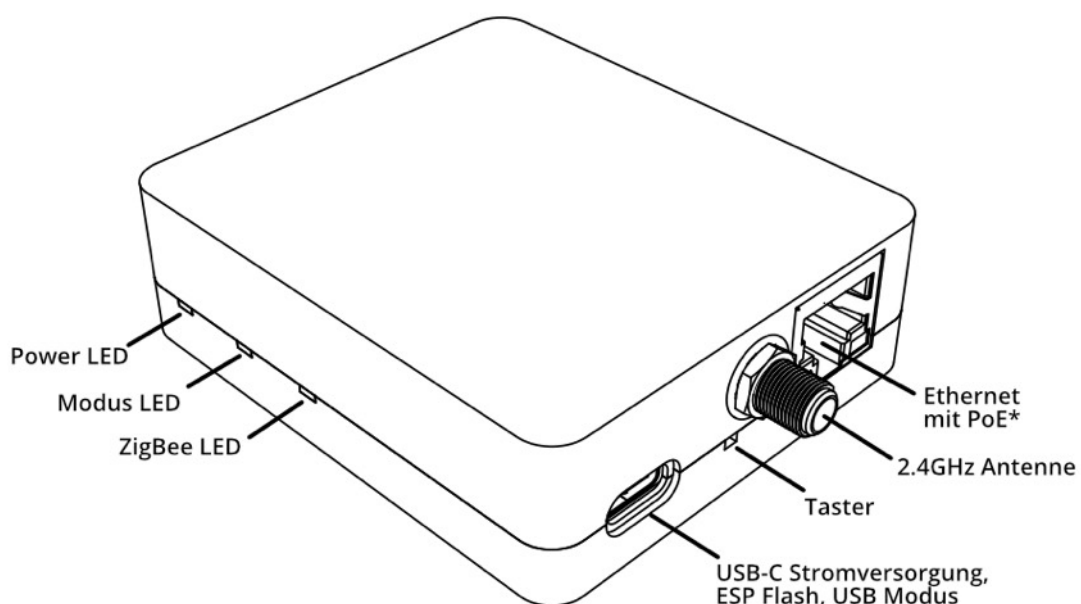- Made in Germany, CE, RoHS, WEEE

1 Hardware

The flashing power LED (green) indicates that the device is ready for operation. When a connection is established, 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/ Wi-Fi and USB. The activated USB mode is indicated by the mode LED lighting up (red).
When using Wi-Fi, please see the information at https://docs.codm.de/zigbee/coordinator/#lanwlan.

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

Power LED
Modus LED
ZigBee LED
Ethernet mit PoE*
2.4GHz Antenne
Taster
USB-C Stromversorgung, ESP Flash, USB Modus

*nur bei PoE-Version

2 Commissioning

- Screw the supplied antenna onto the antenna connection.

- Connect the cod.m ZigBee Coordinator (CZC) to Ethernet and/or USB-C power. 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 browser: http://192.168.xx.xx/
  Alternatively, use mDNS and call up 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 done in the web interface.

* only in PoE version

3 Configuration

Figure 1 - Setup zigbee2mqtt
https://lnk.codm.de/zigbee-90810-setup-z2m-en

Figure 2 - Setup ioBroker
https://lnk.codm.de/zigbee-90810-setup-iob-en

Figure 1- Setup HomeAssistant
https://lnk.codm.de/zigbee-90810-setup-ha-en

4 Intended use

This cod.m ZigBee Coordinator (CZC) is intended to provide a ZigBee interface (coordinator) via Ethernet, Wi-Fi or USB. Only the specified intended use is permitted. Any other use leads to exclusion of warranty and liability.

5 Notes

Hereby, cod.m GmbH declares that the radio equipment type cod.m ZigBee Coordinator V1.0 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 liquids. Only use the module indoors. Protect the module from electrostatic discharge.

6 Technical data

Short description:	cod.m ZigBee Coordinator V1.0, Art. no. 90810		Dimension:	Housing 64 x 74 x 22mm
Supply voltage:	5V USB-C, max 0.8W PoE 802.3af max 1W		Weight:	48g incl. housing, without antenna
Ambient temperature:	+5 to +45°C		Standards:	IEEE 802.3 LAN IEEE 802.11 WIFI IEEE 802.15.4 ZigBee IEEE 802.2af Power over Ethernet

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