Manuals+

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cod-m-logo

cod m V1.2 ZigBee Coordinator

cod-m-V1-2-ZigBee-Coordinator-product

Specifications

- **Product:** cod.m ZigBee Coordinator V1.2
- **Model:** Art. No. 90810
- **Supply Voltage:** 5V USB-C, max 0.8W PoE 802.3af max 1W
- **Ambient Temperature:** Suitable for indoor use
- **Protection Class:** IP20
- **Dimensions:** Housing 64 x 74 x 22mm
- **Weight:** 48g incl. housing, without antenna

- **Standards:** IEEE 802.3 LAN, IEEE 802.11 WLAN, IEEE 802.15.4 ZigBee, IEEE 802.2af Power over Ethernet

Features

- CC2652P7 Texas Instruments multiprotocol2.4GHz 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

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.

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Commissioning

- Screw the supplied antenna onto the antenna connection.
- Connect the code.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

Configuration

Setup zigbee2mqtt	Setup ioBroker	Setup HomeAssistant

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

Intended use

This cod.The 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.

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 liquids. Only use the module indoors. Protect the module from electrostatic discharge.

Technical data

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 PoE 802.3af max 1W	**Weight:**	48g incl. housing, without antenna
Ambient temperature:	+5 bis +45°C	**Standards:**	IEEE 802.3 LAN IEEE 802.11 WLAN IEEE 802.15.4 ZigBee IEEE 802.2af Power over Ethernet
Protection class:	IP20		

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- WEEE-Reg.-No.: DE78677954
- Support via support@codm.de, no telephone support!

Frequently Asked Questions

Q: Can the cod.m ZigBee Coordinator V1.2 be used outdoors?

A: No, the module is designed for indoor use only.

Q: What is the maximum supply voltage supported by the device?

A: The device supports a maximum supply voltage of 5V through USB-C or 0.8W PoE 802.3af.

Documents / Resources

[cod m V1.2 ZigBee Coordinator](#) [[pdf](#)] Owner's Manual

90810, V1.2 ZigBee Coordinator, V1.2, ZigBee Coordinator, Coordinator

References

- [User Manual](#)

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