Ethernet

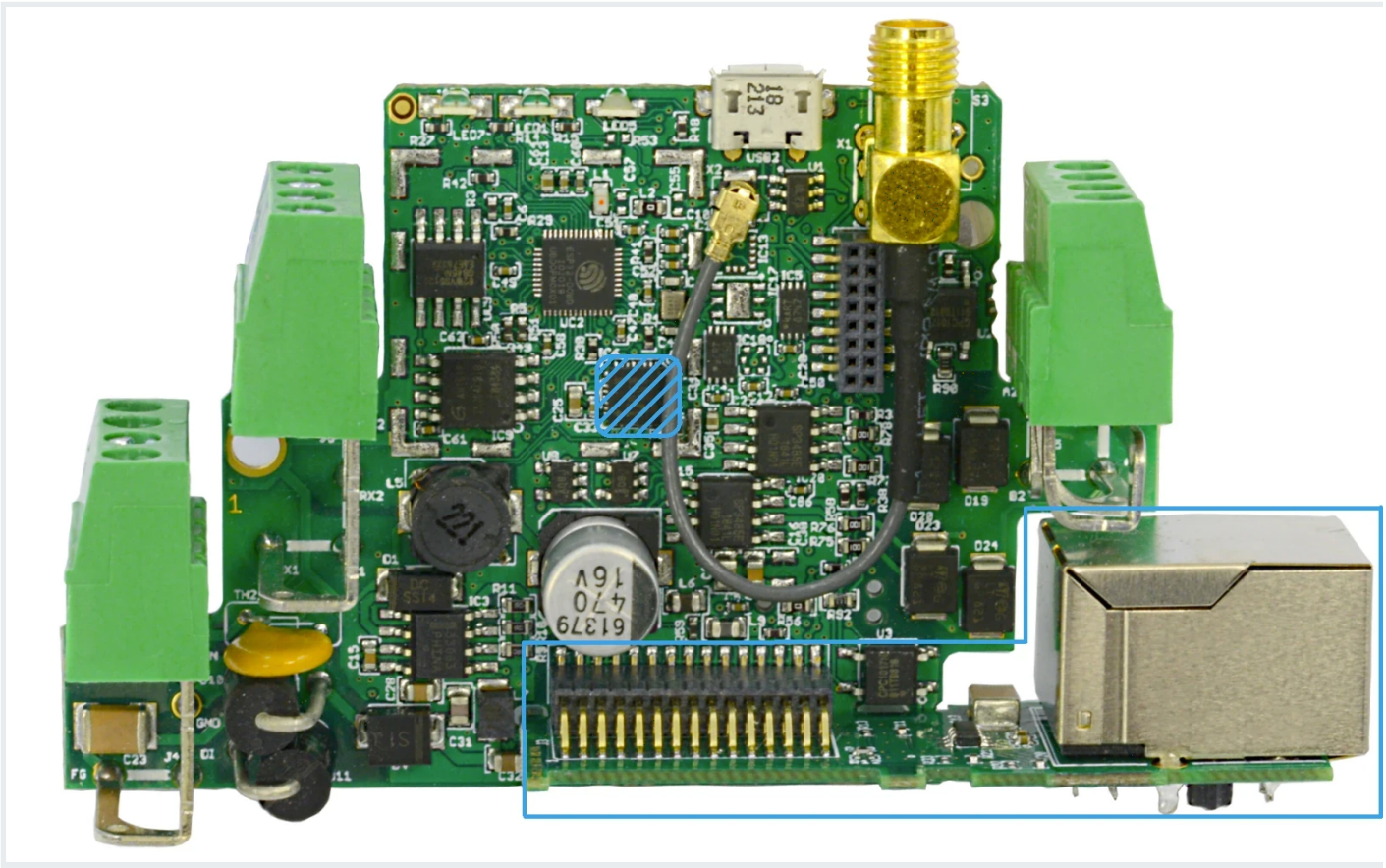
ESP32 Open IoT and IIoT Gateways (P01 & P02)

Link to repositories:

- C
- MicroPython

Connection

ETHERNET adapter should be connected to WLAN with a RJ45 cable.

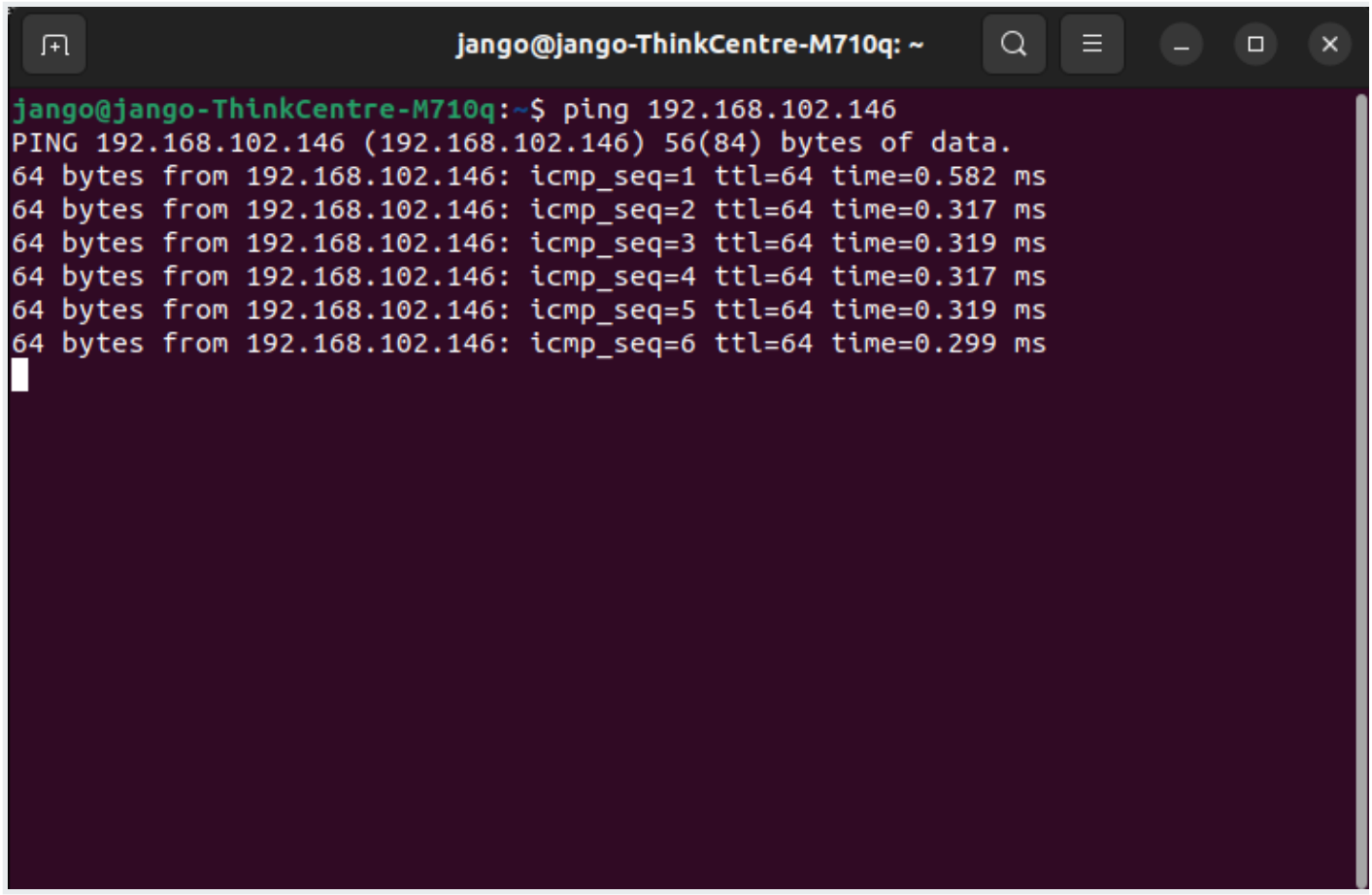


Description

This example demonstrates basic usage of ETHERNET driver. After flashing the CGE2 will try to obtain an IP address in a network it will be connected to. Once it will be done it will be possible to ping the device in this network. This example is a good base for developing own network solutions.

Console output

```
I (396) esp_eth.netif.netif_glue: b4:e6:2d:fb:b8:88
I (396) esp_eth.netif.netif_glue: ethernet attached to netif
I (2696) main_task: Returned from app_main()
I (2696) ethernet_ping: Ethernet Started
I (2696) ethernet_ping: Ethernet Link Up
I (2696) ethernet_ping: Ethernet HW Addr b4:e6:2d:fb:b8:88
I (4196) esp_netif_handlers: eth ip: 192.168.102.146, mask: 255.255.255.0, gw: 192.168.102.1
I (4196) ethernet_ping: Ethernet Got IP Address
I (4196) ethernet_ping: ~~~~~~~~~~~
I (4196) ethernet_ping: ETHIP:192.168.102.146
I (4206) ethernet_ping: ETHMASK:255.255.255.0
I (4206) ethernet_ping: ETHGW:192.168.102.1
I (4216) ethernet_ping: ~~~~~~~~~~~
```



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