

# lamaPLC: Code!

## MicroPython example codes for the RP2040\_ETH\_Module

<a href="#">Modbus TCP example</a>	The RP2040 module has Ethernet integrated, which can be accessed via UART1. This code creates Modbus Holding registers on the module with contents from 1 to 10.
<a href="#">Modbus TCP sniffer</a>	The program receives and analyses incoming TCP Modbus telegrams, but does not respond.
<a href="#">I2C scanner</a>	The program scans the addresses of devices connected via I <sup>2</sup> C.
<a href="#">MLX90614 simple</a>	Read <a href="#">MLX90614 (GY-906) infrared non-contact Thermometer</a> to serial.
<a href="#">Read BME 680 sensor data and store in Modbus input registers</a>	Reads data from the <a href="#">BME680 sensor</a> and displays it in the Modbus input registers.

## C example codes for the Arduino Module (Arduino IDE)

<a href="#">Read BME680 Sensor</a>	Read <a href="#">BME680 Temperature/Humidity/Barometric Pressure/Gas (VOC) Module</a>
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