Embedded Systems 2

H. Högl, WS23/24

Linux

WSL2

Kommandozeile

Debian

ARM Cortex

Open-Source

Python

Micropython

C

Rust

TinyGo

GNU Toolchain

Make

Git

GDB

GDB-Server

ST-Micro

STLINK

Nucleo Board

STM32F446

STM32L476

FreeRTOS

Cube

OpenOCD

LwIP/TLS

~~CubeIDE~~

CMSIS

bare metal

estool

FatFS

Low-Power

Logikanalysator

Markdown / Pandoc

SWD

SWV

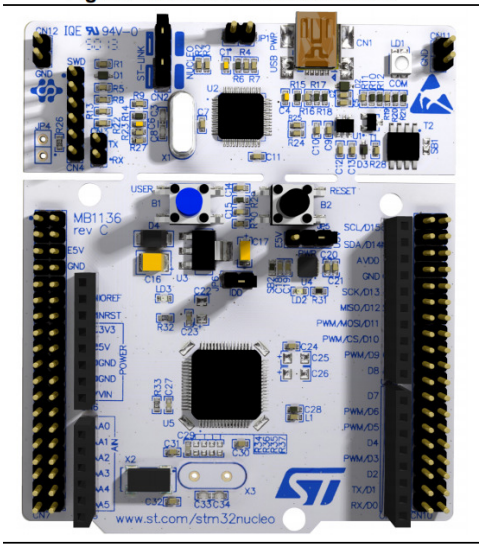
SVD

README.md

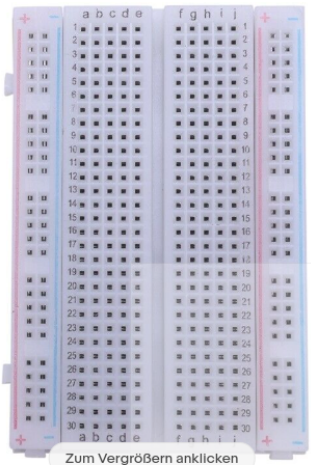
Platformio

USB

Figure 1. STM32 Nucleo-64 board (1)

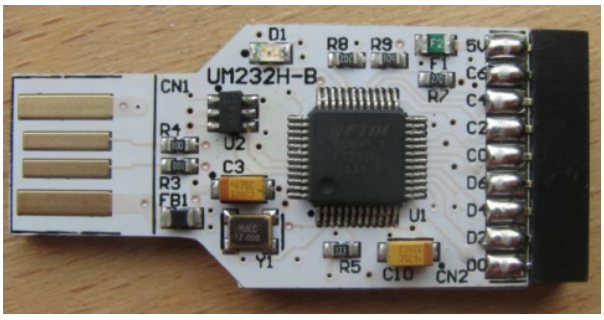


Nucleo Board

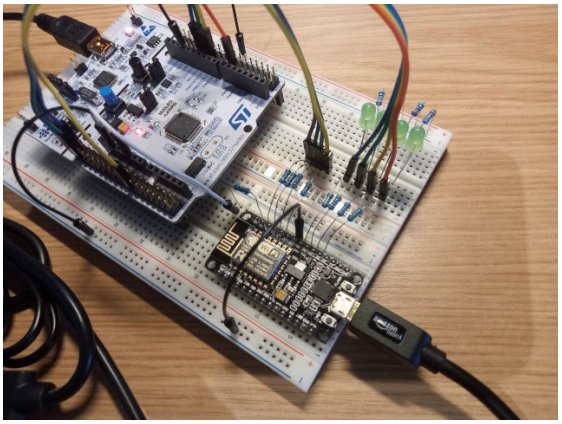


Saleae Logic

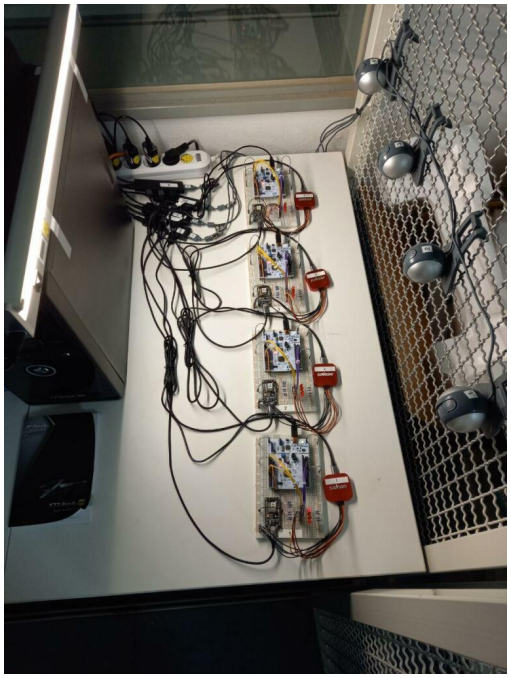
Saleae Klon



Ftdichip UM232H
+ PyFTDI

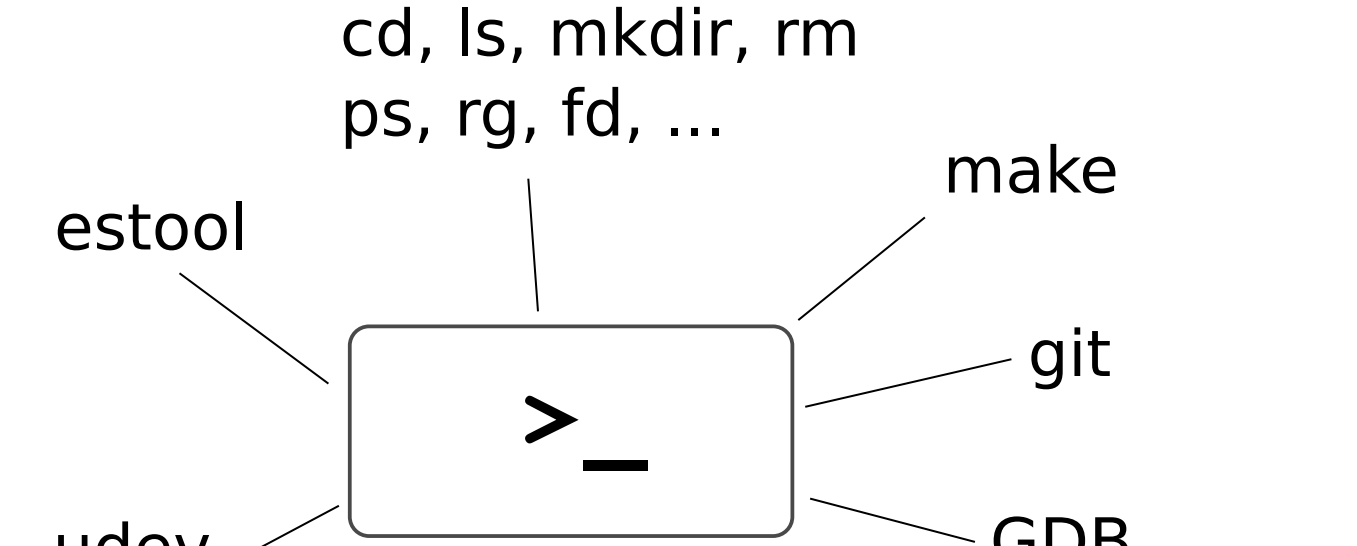


RTlab-Remote



Shell-zentriertes Arbeiten

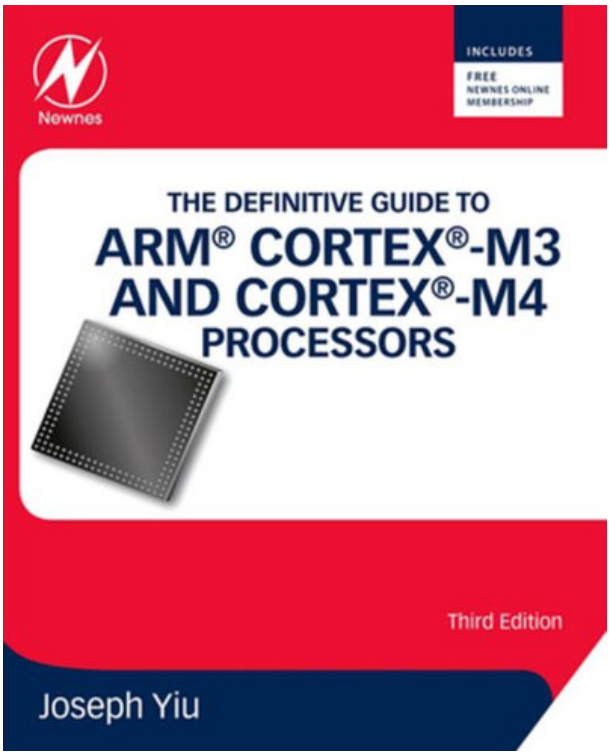
in Linux oder Windows WSL2

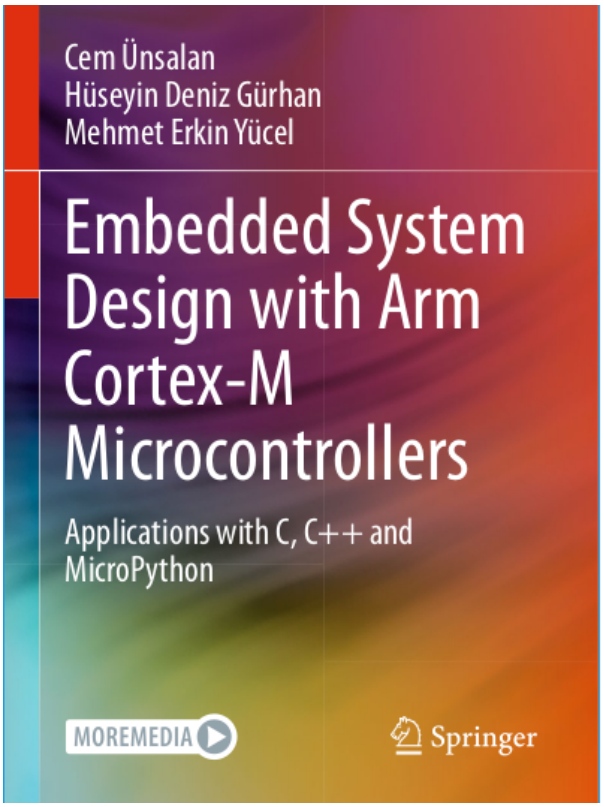


tmux ccls (LSP)

Editor (GUI)
VS Code,
VSCodium,
Geany
Kate

https://learning.oreilly.com/home/





link.springer.com