

## Open-Source-Software HUB-VM102

### 1.1 STM32CubeIDE, Version 1.12.0

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### 1.2 Lightweight TCP/IP stack (lwIP)

<https://savannah.nongnu.org/projects/lwip/>

License: <https://lwip.fandom.com/wiki/License>

### 1.3 Fast Fourier Transform library (Kiss FFT)

<https://github.com/mborgerding/kissfft?tab=readme-ov-file#license>

Licenses: <https://github.com/mborgerding/kissfft/tree/master/LICENSES>

### 1.4 Common Microcontroller Software Interface Standard (CMSIS), Version 5.0.8

[https://arm-software.github.io/CMSIS\\_5/General/html/index.html](https://arm-software.github.io/CMSIS_5/General/html/index.html)

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