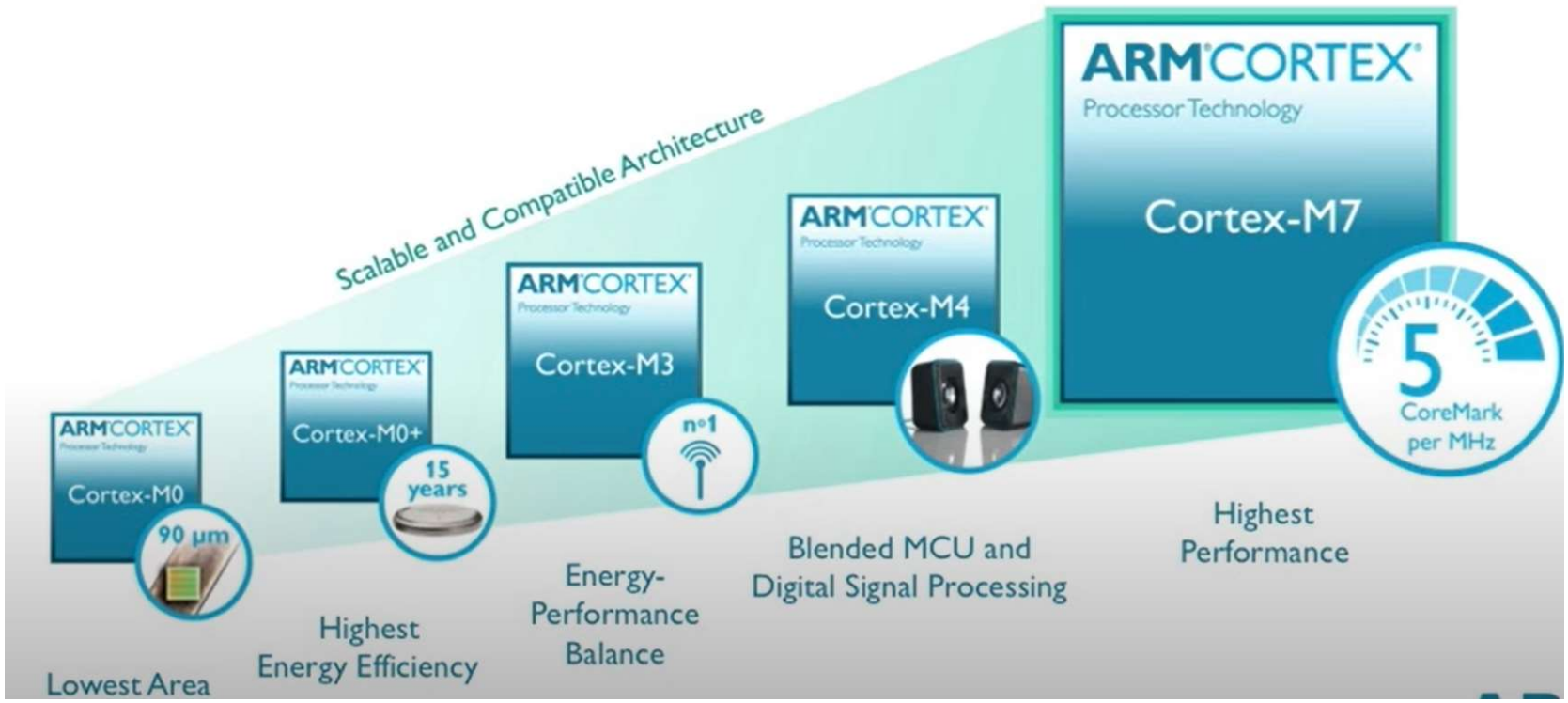
Introduction to FreeRTOS

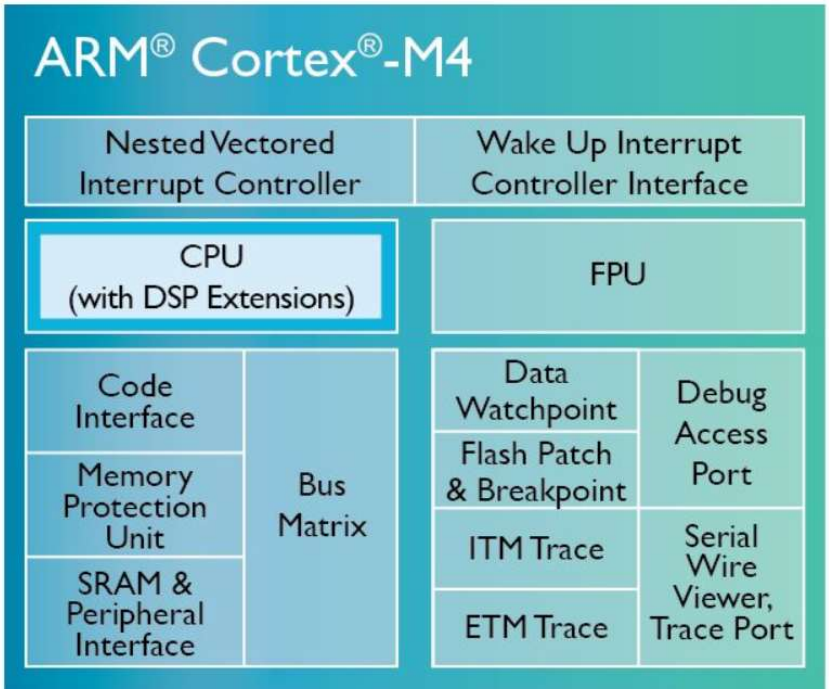
What you will learn Today

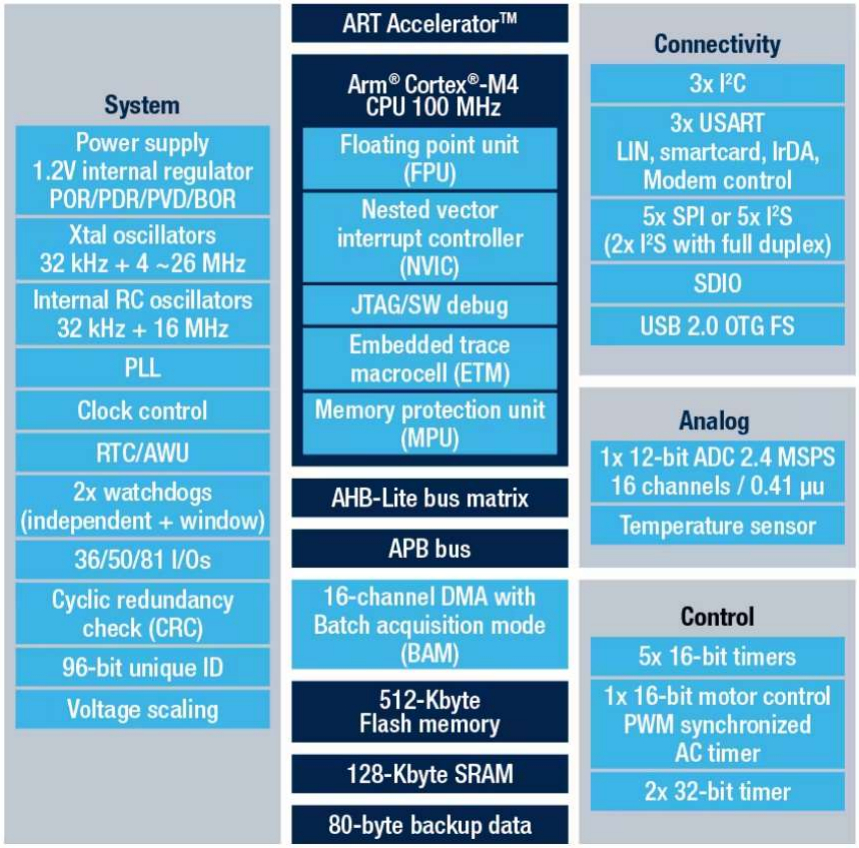
- ✓Processor Core used in this course
- ✓Development Board
- ✓Software Download
- ✓How to create a simple project in RTOS

Processor Core Used in this Course

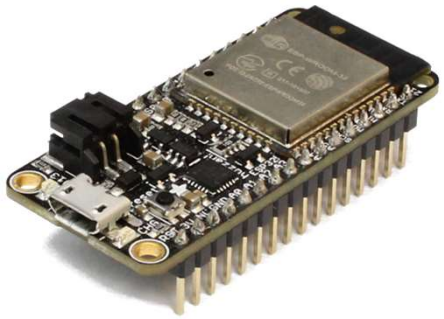


ARM CORTEXM4 –STM32F411

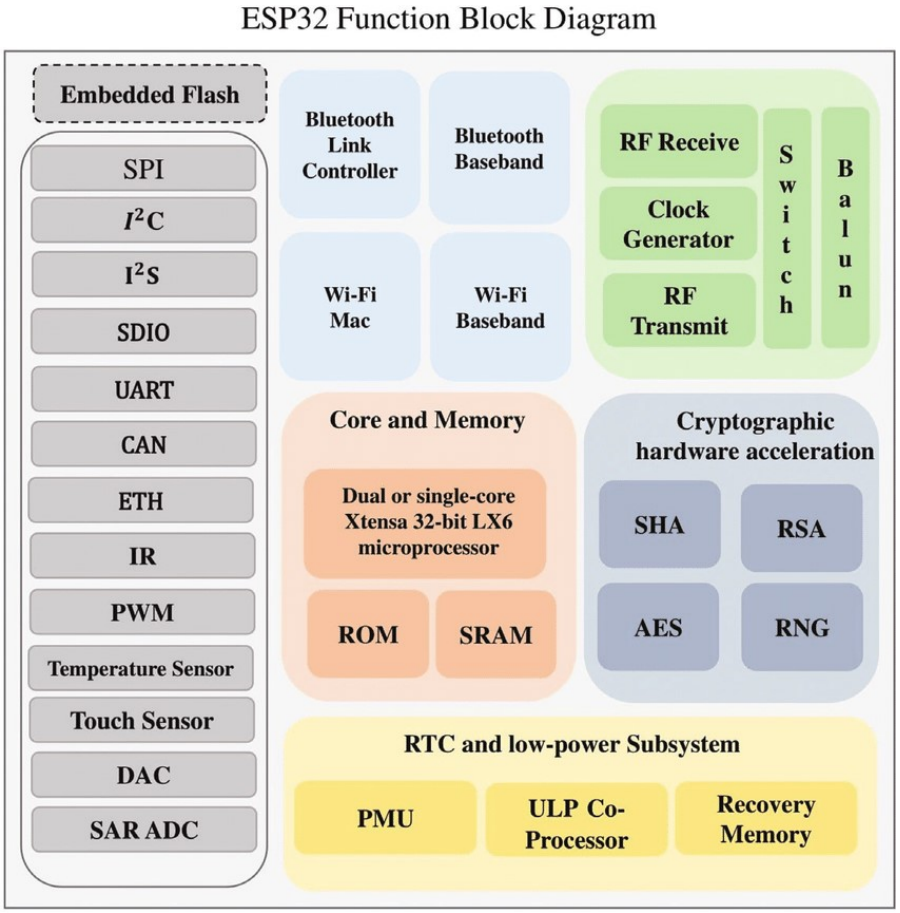




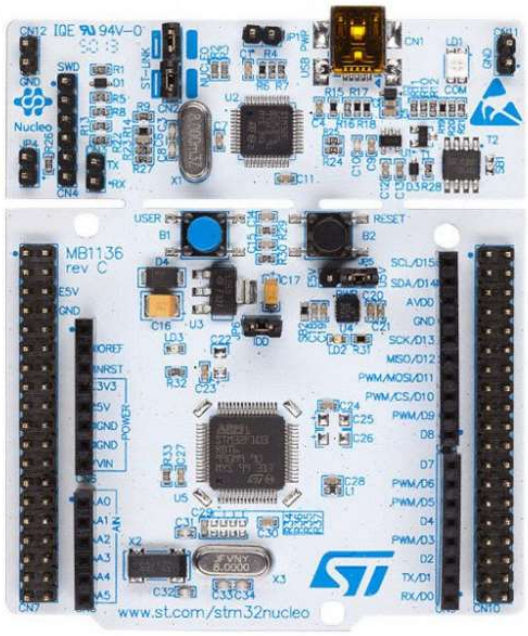
Processor Core Used in this Course



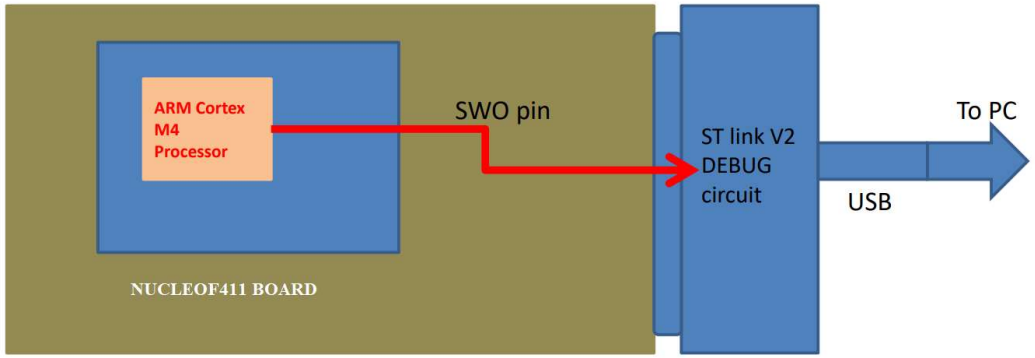
Symmetric Multiprocessing (SMP)

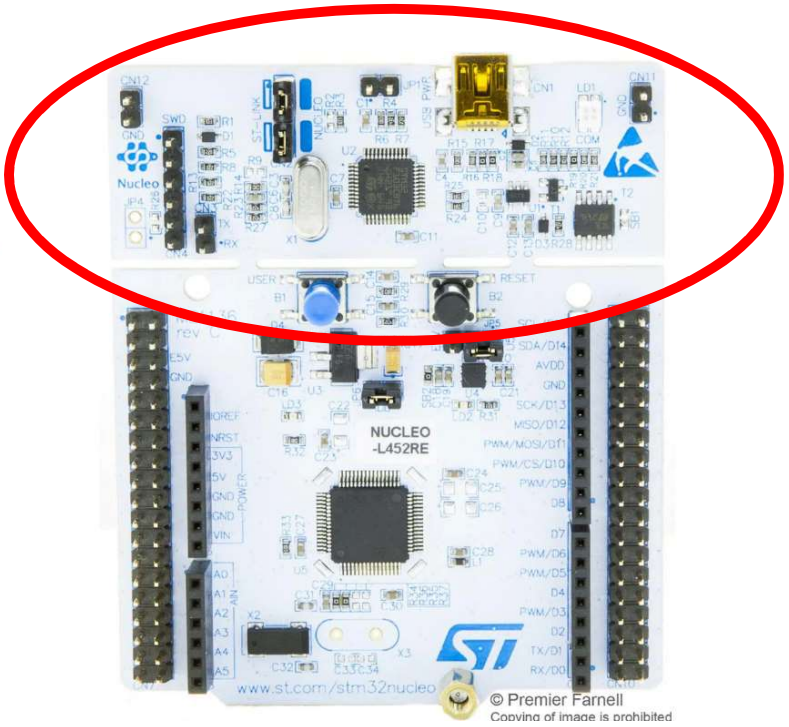


Development Board used in This Course



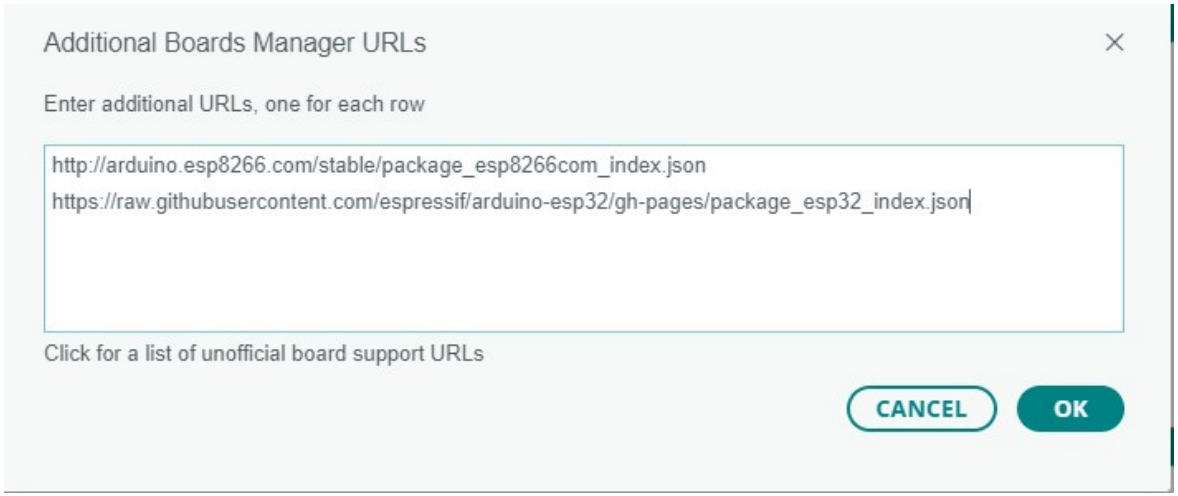
Creating a Project in Target using STM32CUBEIDE





Software Download

- STM32CubeIDE - Integrated Development Environment for STM32 - STMicroelectronics

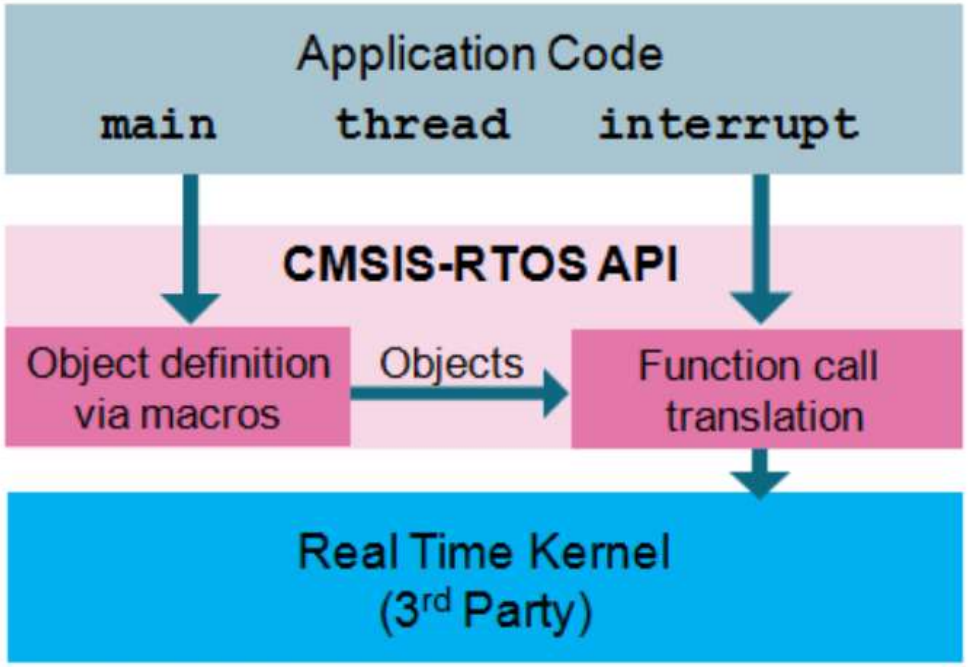


C:\Users\Dell\AppData\Local\Arduino15\packages\esp32\hardware\esp32\2.0.8\tools\sdk\esp32\include\freertos\include\esp_additions\freertos

Software Download

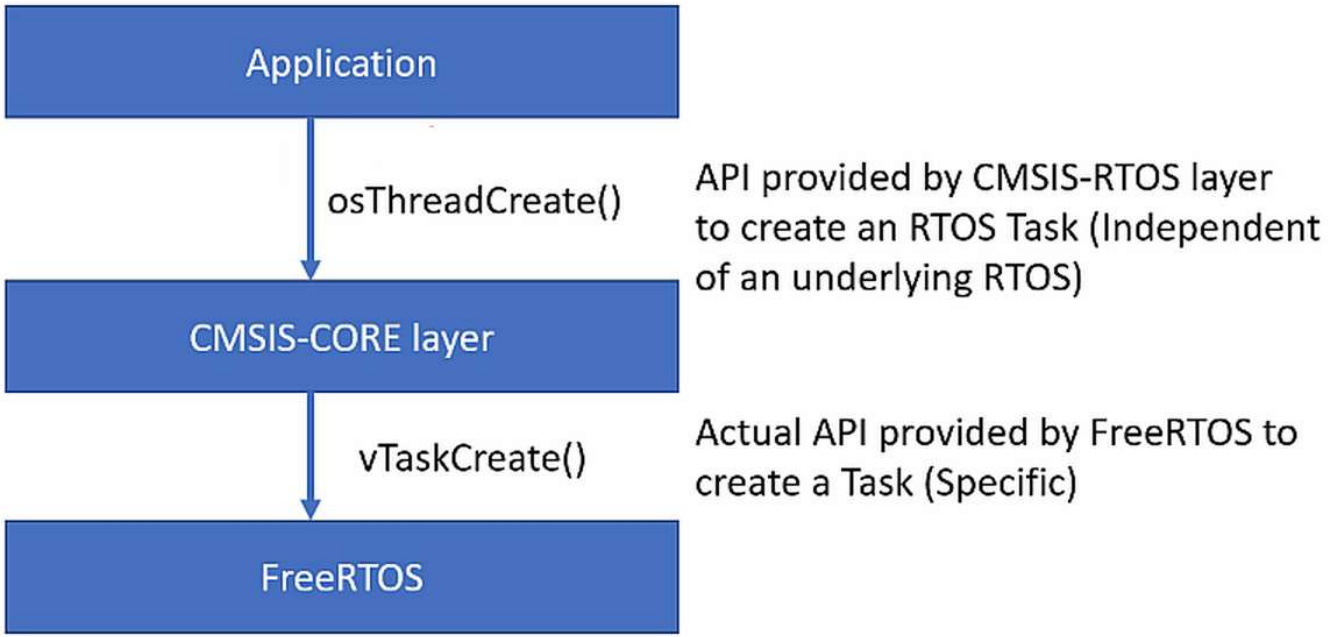
- https://www.freertos.org/

CMSIS-RTOS



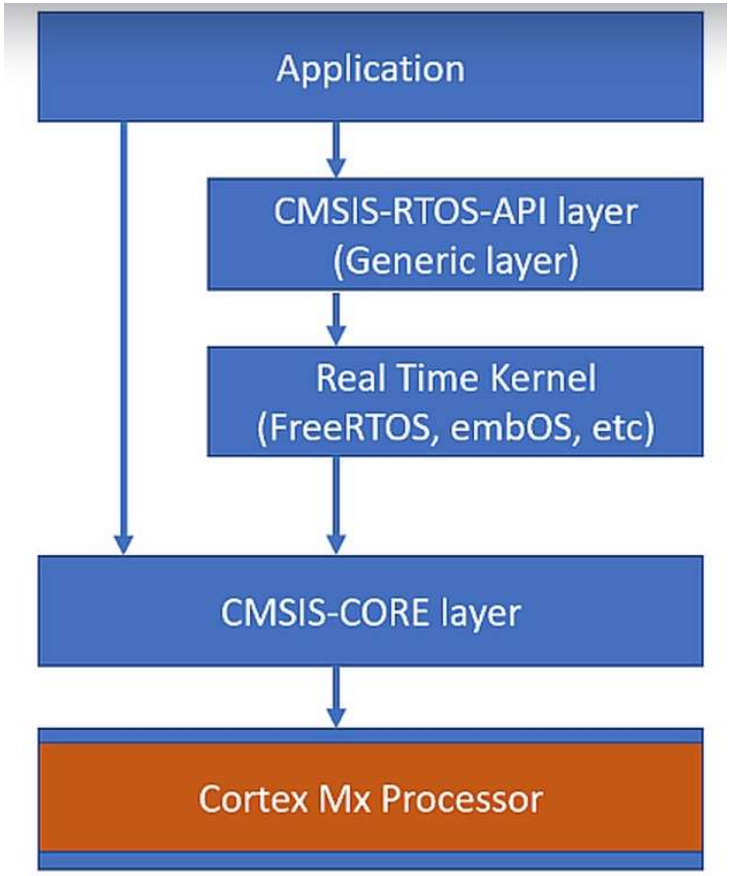
CMSIS-RTOS API Structure

https://www.keil.com/pack/doc/CMSIS/RTOS/html/genRTOSIF.html



CMSIS-RTOS API is a generic RTOS interface for Arm® Cortex®-M processor-based devices

PROJECT LAYERS



Thank You