Micriμm

STM3220G-Eval Example Projects for μC/OS-II and μC/OS-III

PROJECT INSTRUCTIONS

PRODUCTS AND VERSIONS REFERENCE

MCU			
Manufacturer	**Family**	**Part Name**	**Architecture**
ST Microelectronics	STM32	STM32F207IG	ARM-Corex-M3

IDE	
IDE Name	**Version**
IAR Embedded Workbench for ARM	6.50
Keil μVision 4	4.60.0.0
Atollic TrueSTUDIO for ARM Pro	3.2.0

MICRIUM	
Micrium Product	**Version**
μC/CPU	1.29.01
μC/LIB	1.37.01
μC/OS-II	2.92.07
μC/OS-III	3.03.01

LOADING & RUNNING A PROJECT TO THE BOARD

[WARNING]: Make sure to open the project using the mentioned IDE(s) version or later.

IAR Embedded Workbench

1. Click on File→Open→Workspace…
2. Navigate to the directory where the workspace is located: $\Micrium\Software\EvalBoards\Freescale\TWR-K60N512\uCOS-III\IAR\uCOS-III.eww
   - Same goes for uCOS-II
3. Click Open
4. For safety, clean the project by clicking on Project→Clean (if available).
5. Compile the project by clicking on Project→Make. 0 Warnings, 0 Errors.
6. Have the board connected via ST-Link into the board input (CN21) **before** downloading the project to the board. Select Jumper "STK" (JP18)to use power from the ST-Link.
7. Download the project to the board by clicking on Project→Download and Debug.
8. Run the project by clicking Debug→Go. To stop the project from running click on Debug→Stop Debugging.

Keil µVision4

1. Click on Project→Open Project…
2. Navigate to the directory where the workspace is located: $\Micrium\Software\EvalBoards\Freescale\TWR-K60N512\uCOS-III\KeilMDK\uCOS-III.uvproj
3. Click Open
4. For safety, clean the project by clicking on Project→Clean Target.
5. Compile the project by clicking on Project→Build Target. 0 Warnings, 0 Errors.
6. Have the board connected via ST-Link into the board input (CN21) **before** downloading the project to the board. Select Jumper "STK" (JP18)to use power from the ST-Link.
7. Download the project to the board by clicking on Debug→Start/Stop Debug Session.
8. Run the project by clicking Debug→Run. To stop the project from running click on Debug→Start/Stop Debug Session again.

Atollic TrueSTUDIO

1. Click on File→Import…
2. Select Existing Projects into Workspace
3. Navigate to the directory where the workspace is located: $\Micrium\Software\EvalBoards\Freescale\TWR-K60N512\uCOS-III\TrueSTUDIO
   - Same goes for uCOS-II
4. Click OK then Finish
5. For safety, clean the project by clicking on Project→Clean Project.
6. Compile the project by clicking on Project→Build All. Project Builds successfully.
7. Have the board connected via ST-Link into the board input (CN21) **before** downloading the project to the board. Select Jumper "STK" (JP18)to use power from the ST-Link.
8. Download the project to the board by right-clicking inside the project directory and selecting "Debug as→1 Embedded C/C++ Application.

- Select the appropriate interface inside the Debugger tab. (If Needed)

9. Run the project by clicking Run→Resume. To stop the project from running click on Run→Terminate.