

## XF Port - Stm32Cube CMSIS FreeRTOS

---

This port folder contains specific classes for the *Stm32Cube CMSIS FreeRTOS* XF port.

### Classes used by the *Stm32Cube CMSIS FreeRTOS* Port

---

Class name	File location	Define to set
XFDispatcherActiveDefault	xf/port/default/dispatcher-active.cpp	USE_XF_DISPATCHER_ACTIVE_DEFAULT_IMPLEMENTATION
XFMutexDefault	xf/port/default-cmsis-os/mutex-default.cpp	USE_XF_MUTEX_DEFAULT_CMSIS_OS_IMPLEMENTATION
XFThreadDefault	xf/port/default-cmsis-os/thread-default.cpp	USE_XF_THREAD_DEFAULT_CMSIS_OS_IMPLEMENTATION
XFResourceFactoryPort	xf/port/stm32cube-cmsis-freertos/resourcefactory.cpp	USE_XF_PORT_STM32CUBE_CMSIS_FREERTOS_RESOURCE_FACTORY_IMPLEMENTATION
XFTimeoutManagerPort	xf/port/stm32cube-cmsis-freertos/timeoutmanager.cpp	USE_XF_PORT_STM32CUBE_CMSIS_FREERTOS_TIMEOUTMANAGER_IMPLEMENTATION
XFEventQueuePort	xf/port/stm32cube-cmsis-freertos/eventqueue.cpp	USE_XF_PORT_STM32CUBE_CMSIS_FREERTOS_EVENT_QUEUE_IMPLEMENTATION

### Example *config/xf-config.h* File

---

```
#define USE_XF_DISPATCHER_ACTIVE_DEFAULT_IMPLEMENTATION 1
#define USE_XF_MUTEX_DEFAULT_CMSIS_OS_IMPLEMENTATION 1
#define USE_XF_THREAD_DEFAULT_CMSIS_OS_IMPLEMENTATION 1
#define USE_XF_PORT_STM32CUBE_CMSIS_FREERTOS_RESOURCE_FACTORY_IMPLEMENTATION 1
#define USE_XF_PORT_STM32CUBE_CMSIS_FREERTOS_TIMEOUTMANAGER_IMPLEMENTATION 1
#define USE_XF_PORT_STM32CUBE_CMSIS_FREERTOS_EVENT_QUEUE_IMPLEMENTATION 1

#include "stm32cube-cmsis-freertos/eventqueue.h"
```