

FreeRTOSConfig.h

/*

NanoStack: MCU software and PC tools for IP-based wireless sensor networking.

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Address:
Sensinode Ltd.
Teknologiantie 6
90570 Oulu, Finland

E-mail:
info@sensinode.com

*/

/*

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FreeRTOSConfig.h

```

*/

#ifndef FREERTOS_CONFIG_H
#define FREERTOS_CONFIG_H

#include <cc2430_sfr.h>

/* THE VALUE FOR configSTACK_START MUST BE OBTAINED FROM THE .MEM FILE. */
#define configSTACK_START ( 0x22 )

/*extern __xdata __at (0xE000) volatile_ram1[4096];
extern __xdata __at (0xFD58) volatile_ram2[423];*/

/*-----
 * Application specific definitions.
 *
 * These definitions should be adjusted for your particular hardware and
 * application requirements.
 *
 * THESE PARAMETERS ARE DESCRIBED WITHIN THE 'CONFIGURATION' SECTION OF THE
 * FreeRTOS API DOCUMENTATION AVAILABLE ON THE FreeRTOS.org WEB SITE.
 *-----*/

#ifndef HAVE_POWERSAVE
#define configUSE_IDLE_HOOK 1
#else
#define configUSE_IDLE_HOOK 0
#endif
#define configUSE_PREEMPTION 1
#define configCPU_CLOCK_HZ ( ( unsigned portLONG ) 3200000 )
#define configTICK_RATE_HZ ( ( portTickType ) 500 )
#define configMAX_PRIORITIES ( ( unsigned portBASE_TYPE ) 4 )
#define configMINIMAL_STACK_SIZE ( ( unsigned portSHORT ) 80 )
#define configMAXIMUM_STACK_SIZE ( ( unsigned portSHORT ) 254 - configSTACK_START )
#define configTOTAL_HEAP_SIZE ( ( size_t ) ( 4500 ) )
#define configMAX_TASK_NAME_LEN ( 8 )
#define configUSE_TRACE_FACILITY 0
#define configUSE_16_BIT_TICKS 1
#define configIDLE_SHOULD_YIELD 0

/* Version 4.0.x configuration */
#define configUSE_TICK_HOOK 1

#define configUSE_CO_ROUTINES 0
#define configMAX_CO_ROUTINE_PRIORITIES 1

/* Set the following definitions to 1 to include the API function, or zero
to exclude the API function. */

#define INCLUDE_vTaskPrioritySet 0
#define INCLUDE_uxTaskPriorityGet 0
#define INCLUDE_vTaskDelete 1
#define INCLUDE_vTaskCleanUpResources 0
#define INCLUDE_vTaskSuspend 0
#define INCLUDE_vTaskDelayUntil 1
#define INCLUDE_vTaskDelay 1

#endif /* FREERTOS_CONFIG_H */

```