FreeRTOSConfig.h

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

    Copyright (C) 2006-2007 Sensinode Ltd.

    This program is free software; you can redistribute it and/or modify
    it under the terms of the GNU General Public License as published by
    the Free Software Foundation; either version 2 of the License, or
    (at your option) any later version.

    This program is distributed in the hope that it will be useful,
    but WITHOUT ANY WARRANTY; without even the implied warranty of
    MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
    GNU General Public License for more details.

    You should have received a copy of the GNU General Public License along
    with this program; if not, write to the Free Software Foundation, Inc.,
    51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

            Address:
            Sensinode Ltd.
            Teknologiantie 6
            90570 Oulu, Finland

            E-mail:
            info@sensinode.com
*/


/*
        FreeRTOS V3.2.0 - Copyright (C) 2003 - 2005 Richard Barry.

        This file is part of the FreeRTOS distribution.

        FreeRTOS is free software; you can redistribute it and/or modify
        it under the terms of the GNU General Public License as published by
        the Free Software Foundation; either version 2 of the License, or
        (at your option) any later version.

        FreeRTOS is distributed in the hope that it will be useful,
        but WITHOUT ANY WARRANTY; without even the implied warranty of
        MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
        GNU General Public License for more details.

        You should have received a copy of the GNU General Public License
        along with FreeRTOS; if not, write to the Free Software
        Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA  02111-1307
USA

        A special exception to the GPL can be applied should you wish to
distribute
        a combined work that includes FreeRTOS, without being obliged to provide
        the source code for any proprietary components.  See the licensing
section
        of http://www.FreeRTOS.org for full details of how and when the
exception
        can be applied.


        ***************************************************************************
        See http://www.FreeRTOS.org for documentation, latest information,
license
        and contact details.  Please ensure to read the configuration and
relevant
        port sections of the online documentation.

        ***************************************************************************
```

```
*/

#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.
 *-----------------------------------------------------------*/

#ifdef HAVE_POWERSAVE
#define configUSE_IDLE_HOOK                    1
#else
#define configUSE_IDLE_HOOK                    0
#endif
#define configUSE_PREEMPTION            1
#define configCPU_CLOCK_HZ                     ( ( unsigned portLONG ) 32000000
)
#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 */
```