



Q

CategoriesA->Z

System Core

DMA

GPIO

IWDG

NVIC

✓RCC

✓SYS

WWDG

SYS Mode and Configuration

Mode

DebugNo Debug

☐ System Wake-Up

Timebase SourceTIM1

Q

CategoriesA->Z

System Core

Analog

Timers

Connectivity

✓CAN

I2C1

⚠I2C2

SPI1

SPI2

USART1

USART2

⚠USART3

⊗USB

Computing

Middleware

CAN Mode and Configuration

Mode

☒ Master Mode

Configuration

Reset Configuration

Parameter Settings

User Constants

NVIC Settings

GPIO Settings

Configure the below parameters :

Search (Ctrl+F)

Bit Timings Parameters

Prescaler (for Time Quantum)9

Time Quantum250.0 ns

Time Quanta in Bit Segment 12 Times

Time Quanta in Bit Segment 21 Time

Time for one Bit1000 ns

ReSynchronization Jump Width1 Time

Basic Parameters

Time Triggered Communication ModeDisable

Automatic Bus-Off ManagementDisable

Automatic Wake-Up ModeDisable

Automatic RetransmissionDisable

Receive Fifo Locked ModeDisable

Transmit Fifo PriorityDisable

Advanced Parameters

Operating ModeNormal

This must be: 9, 2Times, 1Time, do not change the order

Q

CategoriesA->Z

System Core

Analog

Timers

Connectivity

✓CAN

I2C1

⚠I2C2

SPI1

SPI2

USART1

USART2

⚠USART3

⊗USB

CAN Mode and Configuration

Mode

☒ Master Mode

Configuration

Reset Configuration

Parameter Settings

User Constants

NVIC Settings

GPIO Settings

NVIC Interrupt Table	Enabled	Preemption Priority	Sub Priority
USB high priority or CAN TX interrupts	<input type="checkbox"/>	0	0
USB low priority or CAN RX0 interrupts	<input checked="" type="checkbox"/>	0	0
CAN RX1 interrupt	<input type="checkbox"/>	0	0
CAN SCE interrupt	<input type="checkbox"/>	0	0

Q

CategoriesA-Z

System Core>

Analog>

Timers>

Connectivity>

Computing>

Middlewarev

FATFS

✓

FREERTOS

USB\_DEVICE

FREERTOS Mode and Configuration

Mode

InterfaceCMSIS\_V2

Configuration

Reset Configuration

Tasks and Queues

Timers and Semaphores

Mutexes

FreeRTOS Heap Usage

Config parameters

Include parameters

Advanced settings

User Constants

Configure the below parameters :

Q

Search (Ctrl+F)

i

API

FreeRTOS APICMSIS v2

Versions

FreeRTOS version10.0.1

CMSIS-RTOS version2.00

Kernel settings

USE\_PREEMPTIONEnabled

CPU\_CLOCK\_HZSystemCoreClock

TICK\_RATE\_HZ1000

MAX\_PRIORITIES56

MINIMAL\_STACK\_SIZE128 Words

MAX\_TASK\_NAME\_LEN16

USE\_16\_BIT\_TICKSDisabled

IDLE\_SHOULD\_YIELDEnabled

USE\_MUTEXESEnabled

USE\_RECURSIVE\_MUTEXESEnabled

USE\_COUNTING\_SEMAPHORESEnabled

QUEUE\_REGISTRY\_SIZE8

USE\_APPLICATION\_TASK\_TAGDisabled

ENABLE\_BACKWARD\_COMPATIBILITYEnabled

USE\_PORT\_OPTIMISED\_TASK\_SELECTIONDisabled

USE\_TICKLESS\_IDLEDisabled

USE\_TASK\_NOTIFICATIONSEnabled

RECORD\_STACK\_HIGH\_ADDRESSDisabled

Memory management settings

Memory AllocationDynamic / Static

TOTAL\_HEAP\_SIZE3072 Bytes

Memory Management schemeheap 4

Categories

A->Z

System Core

>

Analog

>

Timers

>

Connectivity

>

Computing

>

Middleware

>

FATFS

>

✓

FREERTOS

USB\_DEVICE

FREERTOS Mode and Configuration

Mode

Interface

CMSIS\_V2

Configuration

Reset Configuration

✓ Tasks and Queues

✓ Timers and Semaphores

✓ Mutexes

✓ FreeRTOS Heap Usage

✓ Config parameters

✓ Include parameters

✓ Advanced settings

✓ User Constants

Tasks

Task Name	Priority	Stack Size...	Entry Func...	Code Gene...	Parameter	Allocation	Buffer Name	Control Blo...
task0	osPriorityN...	128	StartTask0	Default	NULL	Dynamic	NULL	NULL
task1	osPriorityN...	128	StartTask1	Default	NULL	Dynamic	NULL	NULL

Add

Delete

Queues

Queue Name	Queue Size	Item Size	Allocation	Buffer Name	Control Block Name
------------	------------	-----------	------------	-------------	--------------------