

FreescalE MQX RTOS Example Guide

Taskat Example

This document explains the Taskat example, what to expect from example and a brief introduction to the API used

The Example

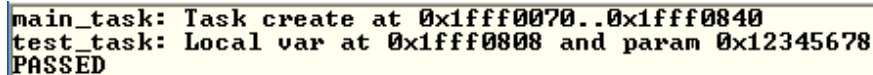
This example code used to create a task AT a specified address (using the specified memory for the task stack and TD structure).

Running example

The user only needs to do compilation of MQX libraries, ksdk library and the example without any further step.

Start a terminal application on your PC and set the serial connection for 115200 baud, 8 data bits, 1 stop bit, no parity and no flow control.

Start TFS example on the target platform. After running example the result will be as the following picture



```
main_task: Task create at 0xffff0070..0xffff0840
test_task: Local var at 0xffff0808 and param 0x12345678
PASSED
```

Explaining the example

The application example creates two AUTO_START_TASK: Main_task and Test_task with different priority.

Main_task with 9 priorities creates a test_task with 8 priorities at a specified address. After test_task is created, Because of higher priority Test_task will immediately run and set test_task_val become 1. Main_task becomes ready task. After Test_task is blocked, Main_task will become running task.

Flow Chart

