Using the FreeRTOS™ Real Time Kernel

Using the FreeRTOS™ Real Time Kernel

Renesas RX600 Edition

Richard Barry

First edition published 2011.

http://www.freertos.org

ISBN 978-1-4467-6274-5

I would like to thank my wife for putting up with a husband
who has paid her much less attention than she deserves.

Contents

List of Figures

List of Code Listings

List of Tables

List of Notation

API	Application Programming Interface
CMT	RX600 Compare Match Timer Peripheral
FAQ	Frequently Asked Question
FIFO	First In First Out
HEW	High-performance Embedded Workshop
HMI	Human Machine Interface
IDE	Integrated Development Environment
ISR	Interrupt Service Routine
LCD	Liquid Crystal Display
RMS	Rate Monotonic Scheduling
RSK	Renesas Starter Kit
RTOS	Real-time Operating System
SIL	Safety Integrity Level
TCB	Task Control Block
TMR0/1	RX600 8-bit Timer Peripherals Zero and One
UART	Universal Asynchronous Receiver/Transmitter