Embedded Systems Interfacing for Engineers Using the Freescale HCS08 Microcontroller I: Machine Language Programming

By Douglas Summerville

Morgan Claypool Publishers, United States, 2009. Paperback. Book Condition: New. 234 x 188 mm. Language: English . Brand New Book ***** Print on Demand *****.This textbook provides practicing scientists and engineers an advanced treatment of the Atmel AVR microcontroller. This book is intended as a follow-on to a previously published book, titled Atmel AVR Microcontroller Primer: Programming and Interfacing. Some of the content from this earlier text is retained for completeness. This book will emphasize advanced programming and interfacing skills. We focus on system level design consisting of several interacting microcontroller subsystems. The first chapter discusses the system design process. Our approach is to provide the skills to quickly get up to speed to operate the internationally popular Atmel AVR microcontroller line by developing systems level design skills. We use the Atmel ATmega164 as a representative sample of the AVR line. The knowledge you gain on this microcontroller can be easily translated to every other microcontroller in the AVR line. In succeeding chapters, we cover the main subsystems aboard the microcontroller, providing a short theory section followed by a description of the related microcontroller subsystem with accompanying software for the subsystem. We then provide advanced examples exercising some of the...

READ ONLINE
[2.71 MB]

Reviews

It in a single of the best pdf. Better then never, though i am quite late in start reading this one. I realized this ebook from my dad and i encouraged this publication to understand.
-- Major Thompson

These sorts of book is the perfect book accessible. It is amongst the most amazing book i have got read. I found out this ebook from my i and dad advised this book to find out.
-- Mr. Mustafa Sanford IV