The Quintessential PICÂ® Microcontroller (Computer Communications And Networks)

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The Quintessential PIC® Microcontroller

Second Edition

COMPUTER COMMUNICATIONS AND NETWORKS

Springer

Synopsis

Written specifically for readers with no prior knowledge of computing, electronics, or logic design. Uses real-world hardware and software products to illustrate the material, and includes numerous fully worked examples and self-assessment questions.

Book Information

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Average Customer Review: 3.9 out of 5 starsÂ Â See all reviewsÂ (7 customer reviews)

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Customer Reviews

This is a very thorough treatment of PICs. There are so many great aspects to this book it is hard to know where to begin. The book starts at the beginning, talking about logic circuits and essential micro theory, such as address decoding and so on. The PIC architecture and instruction set is covered in detail and the many well crafted diagrams are used to convey the relevant information.I particularly enjoyed the later chapters on interfacing, parallel, serial and A/D. A whole chapter on using timers is also very welcome. These chapters offered real practical advice and examples. In fact there are many examples throughout the book and all have been tried and tested. It goes without saying that programming the PIC (instruction set, bank addressing, assembly code, timing, modules and subroutines and so on...) is well covered and a whole chapter is devoted to interrupt handling.This book is dense with a lot of great info packed beautifully into about 500 pages. There is an accompanying website which has extensive resources such as instruction sets that can be downloaded and printed out. There is also an comprehensive errata section and solutions to self

assessment questions that appear at the end of nearly all the chapters. I really like this as most books are very quick to ask questions but rarely do they give the answers. Since most of us are not monks we don't want to spend the rest of our lives thinking of what an answer might be. Much better to understand the problem and be guided to the answer when we are in a hurry.MPLAB, available free from Microcontroller's website (or indeed the authors) is used throughout so you don't need to worry about [the] software.Make no mistake, this is not a hobbyists cookbook. This is a serious treatment of a serious subject.

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