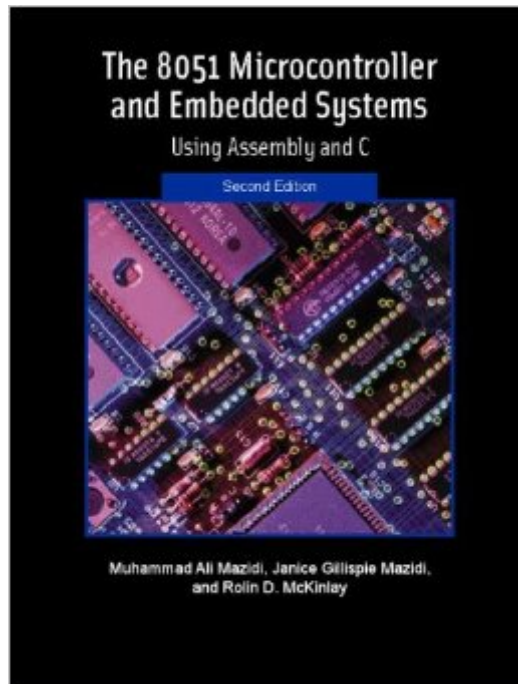


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# The 8051 Microcontroller And Embedded Systems (2nd Edition)



## Synopsis

This book uses a step-by-step approach to teach the fundamentals of assembly language programming and interfacing of the 8051 microcontroller. It uses many examples to clarify concepts. Simple, concise examples are utilized to show what action each instruction performs, then a sample is provided to show its application. This text provides a comprehensive understanding of the internal organization of the 8051 registers and resources in a way that sheds the student's fear of assembly language. Whether students become designers of stand-alone systems or complex embedded systems, they will find this text a useful resource.

## Book Information

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## Customer Reviews

I bought this book because of the five star rating, and I need a good 8051 book for my project. I spend about two days to go over this book, and are quite disappointed with the depth of the book. If you just want to know the very basic application of 8051, it's probably ok although there are quite a few typos. There are three major flaws with this book: 1. Most of the serious topics are touched very lightly; it's almost useless for a firmware/hardware engineer. For example, the memory map and the handshaking application of 8255. 2. Lots of trivial questions after each section, and each section is very short (again, nothing is really covered in details). 3. Very weak index, try to find memory-map!! I don't think the book deserves the price they ask for. I actually learned more from the 8051.com tutorial than from this book. The search for a good 8051 book is continued!!!

It is a great book for beginners ,It has been very useful for my first project ,It explains how to start programming and designing the 8051 microcontroller ,and I advice every engineer student who wants to get a good start in using 8051 in one of his projects to take access of this book.

I have learned basics of the embedded systems & 8051 with the help of this great book. I have read every page of this book and each chapter is easy to follow. I have learned microcontroller programming just by reading this books with little guidance. I begun my career in Firmware/Embedded systems/8051 probably around mid 2004 (9+ years completed now) just with this book and recommend to read this book if you are beginner.Most of the chapter are do-it-by-yourself/learn-by-example style and easy to understand. Once you complete this book you can easily catchup on the advanced topics in the web.Buy this book, get a simple C8051 programmer and simple board, then you are all set to learn the microcontroller programming in 30 days!!! Great book for beginners and students.

The book came in damaged. The front cover was just laid on top of the book, not even attached. When I first opened the book the binder fell apart so I had to tape it back together. Iv tried to post this review once before and It would no let me.

This book is brand-new technical college level text that does a new slant on explaining the practical ways of designing and programming with this popular microcontroller. Even the latest and best Atmel devices are mentioned, except the bargain priced but maximum performance 20k FLASH ROM AT89C55 version, which the authors should add! The diagrams and actual code examples are very complete, and some tricks to use Windows tools and the supplied diskette I have not seen elsewhere.My loaner copy came from a tech student as an sample book from his professor, I am buying my copy TODAY.

The books only covers basics. They have not touched many of the areas such as RTC etc. Many of the topics are not covered in depth. They should also have touched the topic of programming 8051 with C and C++ or they can write a seperate book for this topic.

If you need to use 8051 in a work project, this is not the book for you. It's a not college level text, and the more advanced topics are either not covered or left as an exercise for readers. It's definitely

not worth the price they charge.

The book was recommended by my professor. Helpful reference material as well. This book rips very easily though so be careul.

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