Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library)

By Myke Predko

Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) By Myke Predko

Ready-to-build 8051 microcontroller projects--at your fingertips. Probably the most successful microcontroller on the market today, Intel's legendary 8051 lives on in enhanced versions sold by more than 20 chip manufacturers. Packed with over 30 experiments using Dallas Semiconductor's "HSM" flavors of the 8051 plus the Atmel AT89Cx051 "Flash" based versions, Myke Predko's Programming and Customizing the 8051 Microcontroller puts you in control of the 8051's architecture and instruction set--and even supplies a baker's dozen of ready-to-build example applications, programs and circuits. (You'll see how to create an Atmel AT89Cx061 programmer...a device emulator that exploits the 8051's ability to access external memory...a robot based on the Tamiya "Wall Hugging Mouse"--complete with a TV remote control interface...two real-time 8051 operating systems...and many other exciting projects). Best of all, the included CD-ROM supplies source code for the book's experiments and applications, a demonstration cop of the "UMPS" integrated development environment (IDE), and data sheets for the Dallas Semiconductor and Atmel 8051 compatible devices.

⤓ Download Programming and Customizing the 8051 Microcontroll ...pdf

▤ Read Online Programming and Customizing the 8051 Microcontro ...pdf

Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library)

By Myke Predko

Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) By Myke Predko

Ready-to-build 8051 microcontroller projects--at your fingertips. Probably the most successful microcontroller on the market today, Intel's legendary 8051 lives on in enhanced versions sold by more than 20 chip manufacturers. Packed with over 30 experiments using Dallas Semiconductor's "HSM" flavors of the 8051 plus the Atmel AT89Cx051 "Flash" based versions, Myke Predko's Programming and Customizing the 8051 Microcontroller puts you in control of the 8051's architecture and instruction set--and even supplies a baker's dozen of ready-to-build example applications, programs and circuits. (You'll see how to create an Atmel AT89Cx061 programmer...a device emulator that exploits the 8051's ability to access external memory...a robot based on the Tamiya "Wall Hugging Mouse"--complete with a TV remote control interface...two real-time 8051 operating systems...and many other exciting projects). Best of all, the included CD-ROM supplies source code for the book's experiments and applications, a demonstration cop of the "UMPS" integrated development environment (IDE), and data sheets for the Dallas Semiconductor and Atmel 8051 compatible devices.

Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) By Myke Predko Bibliography

- Sales Rank: #2086180 in Books
- Published on: 1999-01-07
- Original language: English
- Number of items: 1
- Dimensions: 9.10" h x 1.32" w x 7.20" l, 2.46 pounds
- Binding: Paperback
- 528 pages

Download and Read Free Online Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) By Myke Predko

Editorial Review

From the Back Cover
For work or fun--projects, exercises, and insights of the world's most popular microcontroller. Over 30 experiments and 13 complete projects demonstrate 8051 capabilities. CD-ROM gives you all the software you need to begin developing 8051 applications. A volume in TAB's hit Microcontroller Series. This tutorial/disk package is unique in providing you with a complete understanding of the 8051 chip compatibles along with all the information needed to design and debug tailor-made applications using. Programming & Customizing the 8051 Microcontroller details the features of the 8051 and demonstrates how to use these embedded chips to access and control many different devices. This book shows you what happens within the 8051 when an instruction is executed, and it demonstrates how to interface 8051's with external devices. Giving you a wide range of experiments and exercises that provide hands-on experience with the 8051, this book also features: clear explanations of how the devices are electronically programmed, along with a design for Atmel 2010 microcontroller programmer that you build; tools for developing 8051 applications; two sample 8051 real time operating systems; help in programming both assembly language and high-level applications; tips to make code development and debugging easier. In addition, extensive appendices give you even more resources for help in developing and debugging 8051 applications, as well as expert tips on avoiding typical application problems.

About the Author
Myke Predko is an advisory engineer working on Intel server products test for Celestica in Toronto, Canada. He has worked as a test engineer, product engineer, manufacturing manager and new products introduction engineer as well as having been awarded four patents in the fields of processor design and product test.

Mr. Predko is author of nine technical books including *Programming and Customizing the PICmicro(R) Microcontroller*, 2/e and *PICmicro(R) Microcontroller Pocket Reference*, two comprehensive guides to the device covered by this book along with *Programming and Customizing the 8081 Microcontroller*; *The Handbook of Microcontrollers*; *PC Ph.D.*; and *PC Interfacing Pocket Reference*.

His interests include robotics and he was one of the designers for the TAB Electronics *Build Your Own Robot Kit*. Mr. Predko currently lives in Toronto with his wife, daughter and two Siberian huskies.

Users Review

From reader reviews:

Joycelyn Chambers:

Book is to be different for each grade. Book for children right up until adult are different content. As we know that book is very important for all of us. The book Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) ended up being making you to know about other understanding and of course you can take more information. It doesn't matter what advantages for you. The e-book Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) is not only giving you more new information but also being your friend when you sense bored. You can spend your spend time to read your publication. Try to make relationship while using book Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library). You never feel lose out for everything if you read some books.

Eula Johnson:

Reading a book can be one of a lot of task that everyone in the world adores. Do you like reading book and so. There are a lot of reasons why people fantastic. First reading a book will give you a lot of new data. When you read a guide you will get new information due to the fact book is one of a number of ways to share the information or maybe their idea. Second, examining a book will make a person more imaginative. When you reading through a book especially hype book the author will bring one to imagine the story how the people do it anything. Third, you can share your knowledge to others. When you read this Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library), it is possible to tells your family, friends along with soon about yours book. Your knowledge can inspire the mediocre, make them reading a guide.

Rhonda Kirby:

People live in this new day of lifestyle always aim to and must have the extra time or they will get great deal of stress from both daily life and work. So , whenever we ask do people have spare time, we will say absolutely of course. People is human not a robot. Then we consult again, what kind of activity are you experiencing when the spare time coming to you actually of course your answer will probably unlimited right. Then ever try this one, reading publications. It can be your alternative inside spending your spare time, often the book you have read is usually Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library).

Edward Stevenson:

Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) can be one of your starter books that are good idea. Many of us recommend that straight away because this guide has good vocabulary that will increase your knowledge in vocab, easy to understand, bit entertaining but nonetheless delivering the information. The author giving his/her effort to put every word into enjoyment arrangement in writing Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) nevertheless doesn't forget the main level, giving the reader the hottest as well as based confirm resource information that maybe you can be one of it. This great information can certainly drawn you into new stage of crucial thinking.

Download and Read Online Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) By Myke Predko #6ULBADGF7IQ

Read Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) By Myke Predko for online ebook

Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) By Myke Predko Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) By Myke Predko books to read online.

Online Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) By Myke Predko ebook PDF download

Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) By Myke Predko Doc

Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) By Myke Predko Mobipocket

Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) By Myke Predko EPub

6ULBADGF7IQ: Programming and Customizing the 8051 Microcontroller (Tab Electronics Technician Library) By Myke Predko