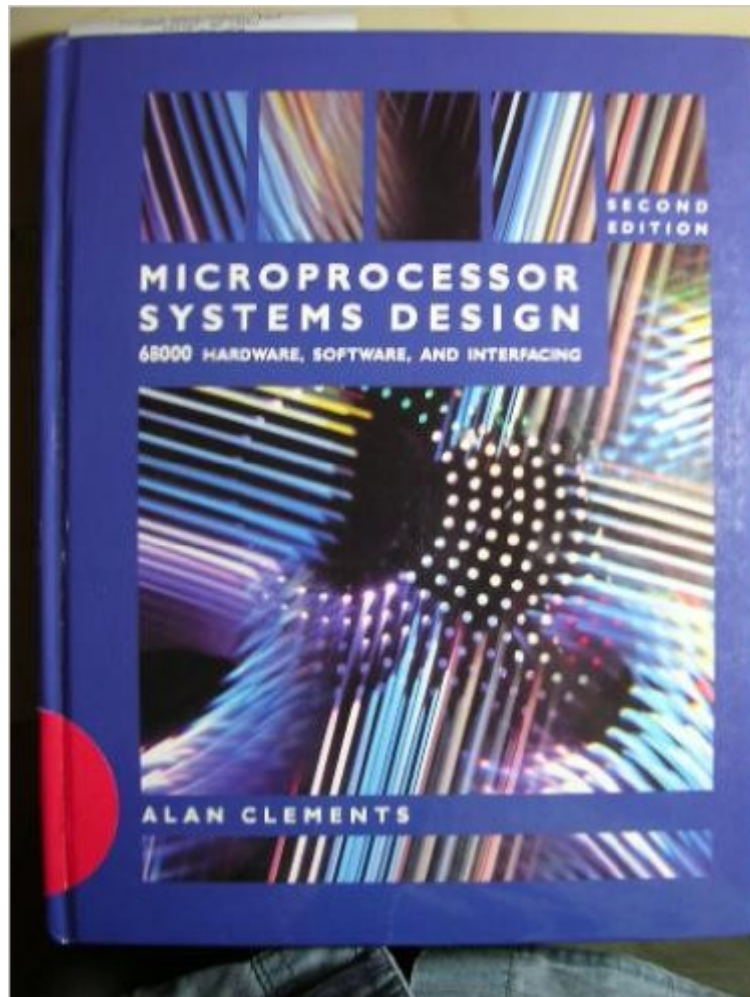


The book was found

Microprocessor Systems Design: 68000 Family Hardware, Software, And Interfacing



Synopsis

* Emphasis is on timing diagrams and analysis of microprocessor read/write cycles so students get a clear understanding of the timing requirements of a microprocessor..* In-depth presentation of both microprocessor architecture and microprocessor organization gives students the most complete of 68000 microprocessor hardware..* Thorough introduction to 68000 assembly language programming (four chapters on this topic)..

Book Information

Hardcover: 900 pages

Publisher: CL Engineering; 2 edition (May 7, 1992)

Language: English

ISBN-10: 0534925685

ISBN-13: 978-0534925680

Product Dimensions: 1.5 x 7.8 x 9.8 inches

Shipping Weight: 3.4 pounds

Average Customer Review: 4.4 out of 5 stars [See all reviews](#) (8 customer reviews)

Best Sellers Rank: #1,825,268 in Books (See Top 100 in Books) #209 in [Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > Microprocessor Design](#) #312 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electric Machinery & Motors](#) #573 in [Books > Computers & Technology > Hardware & DIY > Personal Computers > PCs](#)

Customer Reviews

This book makes all things clear about designing systems controlled by microprocessors and uses the Motorola 68000 family of microprocessors as an example. It is full of clear examples and many exercises for the student, and shows details of both the hardware and programming aspects of microprocessor system design, making it ideal for engineers who are interested in the subject. The book starts with an overview of the microcomputer in general, and shows how the microprocessor and its accessories control the larger microcomputing device. Next, the author introduces the reader specifically to the Motorola 68000 family of microprocessors and their respective architectures and features. Next the author tackles an art that is usually passed down by word of mouth from master to apprentice - how to program a microprocessor and its peripheral devices using the C programming language as well as assembly language. This is followed by chapters on memories, exception handling versus interrupts, and coprocessors and caches. The next few chapters are on the external

devices that are usually a necessity for a microprocessor controlled system - parallel and serial ports, external timer devices, special devices to control IEEE-488 buses, and special buses such as the VMEbus and Nubus. Actual existing peripheral devices are used in the examples. There are plenty of circuit diagrams and code snippets in both assembly language and C to show how the various pieces of a microcomputer are assembled to make a working system.

[Download to continue reading...](#)

Microprocessor Systems Design: 68000 Family Hardware, Software, and Interfacing Analog Interfacing to Embedded Microprocessor Systems, Second Edition (Embedded Technology Series) The 8088 and 8086 Microprocessors: Programming, Interfacing, Software, Hardware, and Applications (4th Edition) The HCS12 / 9S12: An Introduction to Software and Hardware Interfacing MC68HC12 An Introduction: Software and Hardware Interfacing MC68HC11: An Introduction - Software and Hardware Interfacing, 2nd Edition Mc 68Hc11 an Introduction: Software and Hardware Interfacing PIC Microcontroller: An Introduction to Software & Hardware Interfacing Introduction to the Intel Family of Microprocessors: A Hands-On Approach Utilizing the 80x86 Microprocessor Family (3rd Edition) Computer Organization and Design, Fourth Edition: The Hardware/Software Interface (The Morgan Kaufmann Series in Computer Architecture and Design) Computer Organization and Design, Third Edition: The Hardware/Software Interface, Third Edition (The Morgan Kaufmann Series in Computer Architecture and Design) Computer Organization and Design: The Hardware Software Interface: ARM Edition (The Morgan Kaufmann Series in Computer Architecture and Design) Microprocessors and Interfacing: Programming and Hardware 68000 Family Assembly Language Programming Microprocessor Design: A Practical Guide from Design Planning to Manufacturing (Professional Engineering) The Architecture of Computer Hardware, Systems Software, and Networking: An Information Technology Approach IEC 61511-1 Ed. 1.0 b:2003, Functional safety - Safety instrumented systems for the process industry sector - Part 1: Framework, definitions, system, hardware and software requirements The Architecture of Computer Hardware, Systems Software, & Networking: An Information Technology Approach ECHO USER GUIDE: The Official User Guide For Using Your Echo (technology mobile communication kindle alexa computer hardware) (Echo ... & Technology Ebooks Hardware & DIY) Embedded System Design: A Unified Hardware/Software Introduction

[Dmca](#)