



Digital Computer Electronics

Albert Paul Malvino

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Striking an ideally balanced approach, this text introduces students to microprocessor fundamentals by using a pedagogical SAP (Simple-As-Possible) model computer. The text then relates these fundamentals to three real-world examples: Intel's 8085, Motorola's 6800, and the 6502 chip used by Apple Computers. Instructors can focus on just one of these popular microprocessors, or include the features of others. This edition correlates closely with popular chip trainers and includes added coverage of the Intel 8088 16-bit microprocessors. It also includes a student version of the TASM cross-assembler software program.

Experiments for Digital Computer Electronics, prepared expressly for this Third Edition, contains hardware and software experiments that allow students to expand upon the topics covered in the text through hands-on exercises. An Instructor's Guide containing answers to chapter questions and experiment results is also offered.

Digital Computer Electronics Details

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From Reader Review Digital Computer Electronics for online ebook

N.J. Ramsden says

Easy to understand, logically and progressively structured, and comprehensive enough to take the reader to a thorough enough understanding of simple computing blocks that, coupled with some knowledge of component and circuit design gathered elsewhere, one could feasibly begin to design and build one's own programmable machine.

I'm giving this 5 stars rather than 4 because I feel it would have been cramped by the inclusion of practical build examples. What it does, I think it does excellently.

Sibghat Ullah says

nice one

Moiz Shiekh says

klut oi iu hiu uiuu

Tomaritachi says

nice

Ak Gupta says

nice

Christopher Sawi says

It has been a pleasure reading this book since my college days up to now. A jewel in one's shelves. Easy to read and understand. Start from the basic and progressively discusses the internals of the computer.

Asim says

nice

Widyatmika Gandhi says

helps me

Mike says

I bought this to augment an electronics project I found on YouTube. Everything is broken down and explained perfectly in this book. Also, I found it used (of course) so my version came with the previous owner's Korean notes. Who knows, maybe I'll find those useful some day !!
