



# Digital Electronics

Principles, Devices  
and Applications

Anil K. Maini

 WILEY

# Digital Electronics Principles And Practice

**Brice Ward**



## Digital Electronics Principles And Practice:

Digital Electronics Frenzel,1995      **Digital Electronics: Principles & Practice** Brice Ward,1975      **Digital electronics: principles and practice. With a specially written chapter for the guidance of the English reader by W. Oliver** Brice Ward,1974      **Digital electronics: principles and practice. With a specially written chapter for the guidance of the English reader by W. Oliver** Brice Ward,1974      *Digital Electronic Circuits* Shuqin Lou,Chunling Yang,2019-05-20 This book presents three aspects of digital circuits digital principles digital electronics and digital design The modern design methods of using electronic design automation EDA are also introduced including the hardware description language HDL designs with programmable logic devices and large scale integrated circuit LSI The applications of digital devices and integrated circuits are discussed in detail as well      **Digital Electronics** Anil K. Maini,2007-09-27 The fundamentals and implementation of digital electronics are essential to understanding the design and working of consumer industrial electronics communications embedded systems computers security and military equipment Devices used in applications such as these are constantly decreasing in size and employing more complex technology It is therefore essential for engineers and students to understand the fundamentals implementation and application principles of digital electronics devices and integrated circuits This is so that they can use the most appropriate and effective technique to suit their technical need This book provides practical and comprehensive coverage of digital electronics bringing together information on fundamental theory operational aspects and potential applications With worked problems examples and review questions for each chapter Digital Electronics includes information on number systems binary codes digital arithmetic logic gates and families and Boolean algebra an in depth look at multiplexers de multiplexers devices for arithmetic operations flip flops and related devices counters and registers and data conversion circuits up to date coverage of recent application fields such as programmable logic devices microprocessors microcontrollers digital troubleshooting and digital instrumentation A comprehensive must read book on digital electronics for senior undergraduate and graduate students of electrical electronics and computer engineering and a valuable reference book for professionals and researchers      **Loose Leaf for Digital Electronics: Principles and Applications** Roger L. Tokheim,Patrick E. Hoppe,2021-01-29 Digital Electronics Principles and Applications 9e is an easy to read introductory text for students new to the field of digital electronics Providing entry level knowledge and skills for a wide range of occupations is the goal of this textbook and its ancillary materials Concepts are connected to practical applications and a systems approach is followed that reflects current practice in industry This concise and practical text can be used in any program needing a quick and readable overview of digital principles      **Digital Electronics** Roger L. Tokheim,1994-01 Small scale Ics are used when students learn the fundamentals Most of the circuits in the text can be wired for classroom demonstration using off the shelf TTI or CMOS Ics      **Digital Electronics: Principles and Applications** Roger Tokheim,2013-01-18 The eighth edition of Digital Electronics Principles and Applications provides a

concise modern approach to this fascinating subject It has been written so that a so that a student needs no prior knowledge of electrical theory and principles and at a level that allows students with limited math and reading skills can gain a clear understanding of concepts and application covered in a digital electronics course The textbook has been noted for its easy to read style and colorful illustrations It is ideal for a wide range of electronics courses especially programs in which students must learn the essentials and quickly apply them to real job situations **Digital Electronics** Brice Ward,1975

**DIGITAL ELECTRONICS: PRINCIPLES AND INTEGRATED CIRCUITS** Anil K. Maini,2007 Market\_Desc Undergraduate and graduate level students of different universities Special Features Each chapter in the book whether it is related to operational fundamentals or applications is amply illustrated with diagrams and design examples Each chapter concludes in a comprehensive self evaluation exercise comprising multiple choice questions with answers and other type of objective type questions with answers Unlike most of the books in print on the subject that are either too brief lacking in illustrated examples and examination oriented study material or too voluminous containing lot of redundant material the book has been written keeping in mind the topics taught in the subject and covers in entirety what is required by undergraduate and graduate level students of engineering in electrical electronics instrumentation and control computer science and information technology disciplines About The Book Digital Electronics is a precise and yet complete book covering both Digital Electronics Fundamentals and Integrated Circuits This book provides practical and comprehensive coverage of digital electronics bringing together information on fundamental theory operational aspects and potential applications Each chapter in the book is amply illustrated with diagrams and design examples Each chapter concludes in a comprehensive self evaluation exercise comprising multiple choice and objective type questions with answers The book has up to date coverage of recent application fields such as programmable logic devices microprocessors and microcontrollers This valuable reference book provides in depth information about multiplexers de multiplexers devices for arithmetic operations flip flops and related devices counters and registers and data conversion circuits *Digital Electronics Principles* Robert K. Dueck,2000-11 Digital Electronics? TOKHEIM,2026-01-27 *Principles and Applications of Digital Electronics* Larry D. Jones,1986 *Digital Electronics* Roger L. Tokheim,2008 **Digital Electronics: A Primer - Introductory Logic Circuit Design** Mark S Nixon,2015-01-27 This practical introduction explains exactly how digital circuits are designed from the basic circuit to the advanced system It covers combinational logic circuits which collect logic signals to sequential logic circuits which embody time and memory to progress through sequences of states The primer also highlights digital arithmetic and the integrated circuits that implement the logic functions Based on the author s extensive experience in teaching digital electronics to undergraduates the book translates theory directly into practice and presents the essential information in a compact digestible style Worked problems and examples are accompanied by abbreviated solutions with demonstrations to ensure that the design material and the circuits operation are fully understood This is essential reading for

any electronic or electrical engineering student new to digital electronics and requiring a succinct yet comprehensive introduction     **United States Navy Occupational Handbook** United States. Bureau of Naval Personnel,1968     **Digital Electronics** McGraw-Hill,Roger L. Tokheim,Tokheim Roger,2003-04 The experiments manual has been updated for relevance and to assure that readily available parts are used The manual includes a section covering general safety rules for electricity and electronics and various chapter tests and lab exercises Also appendices covering pin diagrams and a parts and equipment list are also included For convenience a copy of the MultiSIM CD ROM is packaged with the manual     Books and Pamphlets, Including Serials and Contributions to Periodicals Library of Congress. Copyright Office,1974     Digital Electronics: Principles and Applications Roger L. Tokheim,Patrick E. Hoppe,2021-04-23

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