

—THE—
**HAND
BOOK**

—OF—
**DATA
COMMUNICATION**

—AND—
**COMPUTER
NETWORKS**

DIMITRIS N. CHORAFAS

The Handbook Of Data Communications And Computer Networks

Dimitris N. Chorafas



The Handbook Of Data Communications And Computer Networks:

Handbook of Data Communications and Computer Networks Dimitris N. Chorafas, 1990-12-01 **The Handbook of Data Communications and Computer Networks** Dimitris N. Chorafas, 1985 **Handbook of Data Communications and Networks** William. Buchanan, 2013-11-11

The object of this book is to cover most of the currently relevant areas of data communications and networks. These include Communications protocols especially TCP/IP Networking especially in Ethernet Fast Ethernet FDDI and ATM Networking operating systems especially in Windows NT Novell NetWare and UNIX Communications programs especially in serial communications parallel communications and TCP/IP Computer hardware especially in PC hardware serial communications and parallel communication. The book thus splits into 15 different areas: these are General data compression Chapters 2 and 3 Video images and sound Chapters 4 11 Error coding and encryption Chapters 12 17 TCP/IP WWW Internets and Intranets Chapters 18 20 and 23 Electronic Mail Chapter 21 HTML Chapters 25 and 26 Java Chapters 27 29 Communication Programs Chapters 20 29 and 49 Network Operating Systems Chapters 31 34 LANs WANs Chapters 35 38 46 Serial Communications Chapters 47 and 48 Parallel Communications Chapters 50 52 Local Communications Chapters 53 57 Routing and Protocols Chapters 36 and 37 Cables and connectors Chapters 58 60. Many handbooks and reference guides on the market contain endless tables and mathematics or are dry to read and contain very little insight in their subject area. I have tried to make this book readable but also contain key information which can be used by professionals.

DATA COMMUNICATIONS AND COMPUTER NETWORKS BRIJENDRA SINGH, 2014-02-11. This fully revised and updated book now in its Fourth Edition continues to provide a comprehensive coverage of data communications and computer networks in an easy to understand style. The text places as much emphasis on the application of the concepts as on the concepts themselves. While the theoretical part is intended to offer a solid foundation of the basics so as to equip the student for further study, the stress on the applications is meant to acquaint the student with the realistic status of data communications and computer networks as of now.

Audience: Intended primarily as a textbook for the students of computer science and engineering, electronics and communication engineering, master of computer applications, MCA and those offering IT courses, this book would also be useful for practising professionals.

NEW TO THIS EDITION: Three new chapters on o Network Architecture and OSI Model o Wireless Communication Technologies o Web Security. Appendix on Binary and Hexadecimal Numbering.

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DATA COMMUNICATIONS AND COMPUTER NETWORKS PRAKASH C. GUPTA, 2006-01-01 Primarily intended as a text for undergraduate courses in Electronics and Communications Engineering Computer Science IT courses and Computer Applications this up to date and accessible text gives an indepth analysis of data communications and computer networks in an easy to read style Though a new title it is a completely revised and fully updated version of the author s earlier book Data Communications The rapid strides made during the last decade in the fields of data communication and networking and the close link between these two subjects have prompted the author to add several chapters on computer networks in this text The book gives a masterly analysis of topics ranging from the principles of data transmission to computer networking applications It also provides standard protocols thereby enabling to bridge the gap between theory and practice What s more it correlates the network protocols to the concepts which are explained with the help of numerous examples to facilitate students understanding of the subject This well organized text presents the latest developments in the field and details current topics of interest such as Multicasting MPLS IPv6 Gigabit Ethernet IPsec SSL Auto negotiation Wireless LANs Network security Differentiated services and ADSL Besides students the practicing professionals would find the book to be a valuable resource

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Applied Data Communications and Networks B. Buchanan,2011-09-30 The usage of data communications and computer networks are ever in creasing It is one of the few technological areas which brings benefits to most of the countries and the peoples of the world Without it many industries could not exist It is the objective of this book to discuss data communications in a readable form that students and professionals all over the world can understand As much as possible the text uses dia grams to illustrate key points Most currently available data communications books take their view point from either a computer

scientists top down approach or from an electronic engineers bottom up approach This book takes a practical approach and supports it with a theoretical background to create a textbook which can be used by electronic engineers computer engineers computer scientists and industry professionals It discusses most of the current and future key data communications technologies including Data Communications Standards and Models Local Area Networks Ethernet Token Ring and FDDI Transmission Control Protocol Internet Protocol TCP/IP High level Data Link Control HDLC X 25 Packet switching Asynchronous Communications RS 232 and Modems Pulse Coded Modulation PCM Integrated Digital Services Network ISDN Asynchronous Transfer Mode ATM Error Control X Windows The chapters are ordered in a possible structure for the presentation of the material and have not been sectioned into data communications areas

Data Communications and Computer Networks: A Business User's Approach Curt White, 2010-03-09 Data communications and computer networks are becoming increasingly more important today's business world could not function without either DATABASE COMMUNICATIONS AND COMPUTER NETWORKS offers a balance between technical and practical aspects of data communication Business managers computer programmers system designers and home computer users alike need a thorough understanding of the basic features operations and limitations of different types of computer networks DATA COMMUNICATIONS AND COMPUTER NETWORKS introduces concepts that help the reader achieve an in depth understanding of the often complex topic of data communications and computer networks by balancing the more technical aspects and the everyday practical aspects The sixth edition retains many of the elements that made the fifth edition so popular including readability and coverage of the most current technologies This book offers full coverage of wireless technologies industry convergence compression techniques network security LAN technologies VoIP and expanded coverage of error detection and correction Important Notice Media content referenced within the product description or the product text may not be available in the ebook version

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