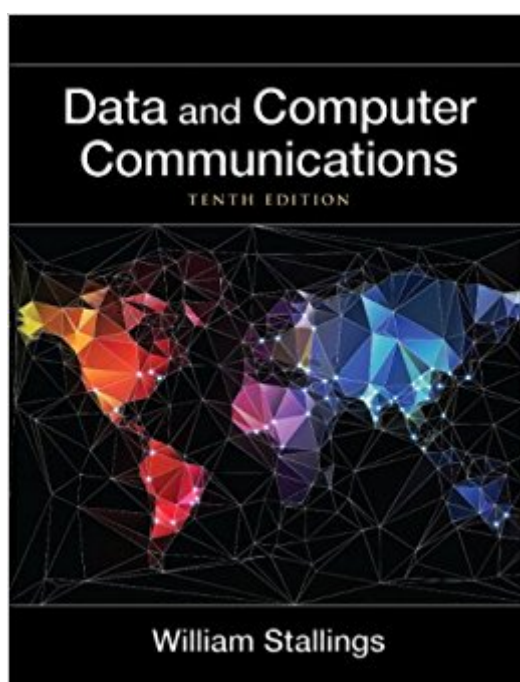The book was found

# Data And Computer Communications (10th Edition) (William Stallings Books On Computer And Data Communications)

# Synopsis

Data and Computer Communications, 10e, is a two-time winner of the best Computer Science and Engineering textbook of the year award from the Textbook and Academic Authors Association. It is ideal for one/two-semester courses in Computer Networks, Data Communications, and Communications Networks in CS, CIS, and Electrical Engineering departments. This book is also suitable for Product Development personnel, Programmers, Systems Engineers, Network Designers and others involved in the design of data communications and networking products. Â With a focus on the most current technology and a convenient modular format, this best-selling text offers a clear and comprehensive survey of the entire data and computer communications field. Emphasizing both the fundamental principles as well as the critical role of performance in driving protocol and network design, it explores in detail all the critical technical areas in data communications, wide-area networking, local area networking, and protocol design.

# Book Information

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# Customer Reviews

â œSince most of the students in my classes are from a computer science background, teaching them the hardware and frequency domains issues is a challenge. This book [Stallings] does an excellent job in covering those topics.â • â ” Murat Yuksel, University of Nevada  â œThe textbook I have been using does not really do justice to the data communication core topics and I am

impressed the comprehensive section provided on this topic in the Stallings text.â•â" Jean-Claude Franchitti, New York University  âœI am very impressed with both the breadth and the depth of coverage of the topics included. They meet the needs of practical laboratory assignments for a senior computer science networking class quite well.â•â" John Doyle, Indiana University, Southeast  âœI have a combination of both students who have a background in computer networks and those who have never taken a course in computer networks. All would find this book [Stallings] very useful and excellent.â•â" Mike Kain, Drexel University  âœIt [Stallings] is at least at peer â" if not on top â" of the best textbooks I have used in networking and beyond.â•â" Xiaobo Zhou, University of Colorado â" Colorado Springs

William Stallings  has made a unique contribution to understanding the broad sweep of technical developments in computer networking and computer architecture. He has authored 18 titles, and counting revised editions, a total of 35 books on various aspects of these subjects. In over 20 years in the field, he has been a technical contributor, technical manager, and an executive with several high-technology firms. Currently he is an independent consultant whose clients have included computer and networking manufacturers and customers, software development firms, and leading-edge government research institutions.  He has received the prize for best Computer Science and Engineering textbook of the year from the Textbook and Academic Authors Association six times.  Bill has designed and implemented both TCP/IP-based and OSI-based protocol suites on a variety of computers and operating systems, ranging from microcomputers to mainframes. As a consultant, he has advised government agencies, computer and software vendors, and major users on the design, selection, and use of networking software and products.  Dr. Stallings holds a Ph.D. from M.I.T. in Computer Science and a B.S. from Notre Dame in Electrical Engineering.

This is a good classic work in the field. My father has been a microwave communications technician for decades, and he praised his copy of a much earlier edition of this book. I am a mathematician picking up some computer science coursework, and have noticed a few errors in the book and accompanying solutions manual, and it surprises me that these would go unnoticed so long as to survive into the ninth edition.The last two sentences at the bottom of page 109 contradict one another.I discussed Problem 15.4 on page 475 with my instructor, who shared with me the approach followed in the solutions manual. In the manual, it is assumed that the average distance between stations is .375 km. The reasoning used to support this, which sounds very convincing, is in fact wrong, as average distance to a receiving station does NOT decrease LINEARLY as the

transmitting station moves away from the endpoints of the bus. It actually decreases in a parabolic fashion. You can use a little calculus to show that the average distance between stations approaches 1/3 km as the number of stations increases. That's an error in estimation of 12.5%. While it makes only an insignificant difference in the context of the given problem (induces an error of less than 1% in the final solution), that error would be appreciable were the transmission speed higher or the bus longer.The author's presentation of probability concepts in Chapter 24 leaves a lot to be desired. Figure 24.6 on page 780 is misleading. The "overlap region" should be depicted as a region on the axis, not as an overlapping of areas under probability density function graphs. My instructor shared the solutions manual answers to problem 24.4 with me, a problem involving a conditional probability computation, and the graph presented for part (a) makes no sense; probability density functions enclose an area of 1 unit ALWAYS, so the graphs of the two density functions must have identical area, which is clearly not what is presented. The misunderstanding of "overlap region" is again apparent in this solutions manual answer. What intrigues me is that the answer to part (b) given in the solutions manual is, while imprecise, essentially correct, but no explanation is given. I cannot fathom how one would arrive at the provided answer using the author's misguided notions of probability theory. Did he ask a mathematician to solve the problem, and then copy his answer into the manual? Perhaps the author could get a mathematician to contribute to the presentation of the probability concepts in the text.Overall, this has been a good book from which to learn the subject. It has been updated to reflect the state-of-the-practice in data communications. However, read with a critical mindset (ALWAYS). Almost every book has at least a few minor errors. I can forgive most, but not the presentation of probability concepts in this book.

This book is inadequate for people without a decent amount of experience with data communications. The book regularly jumps between from extremely basic to fairly complex information making wild assumptions at the reader's base knowledge. An example of this is evident early on when the book starts by going into detail on what the parts of a wave are and then expecting you to understand Fourier Analysis to the T with very little explanation a few pages later. Charts and diagrams included in the book are referred to pages before and after they actually appear, leading to a lot of flipping back and forth. The charts are also poorly explained and detailed, often leaving out important bits of information that most people with limited knowledge wouldn't be expected to know. The review questions aren't worded well, and often leave you wondering whether or not the author had anyone from outside of his department (or even in his department) actually review his writing.Sadly, since this is a required reading for my class, there's really nothing I could

do to get away from this book. I'd assume that the majority of people looking to purchase this book are in the same position.Honestly, I could only recommend this to people looking for a refresher on data and computer communications.

Required for Data Communication class in field of telecom. Good book but required a lot of time and dedication to fully master the subject. May not be a good idea to to take short session (summer or intercession) class with this book unless one has no other activities such as work besides the course. Will keep mine for reference.

This book is written with the understanding that the reader is well versed in the material. It bounces back and forth between an elementary subject knowledge and intermediate-to-advanced concepts. Give yourself time to read and study the material. Also, be aware that if you rent this book, you can get anything from a brand new book (which I didn't), to a bent-cornered, loosely-bound, written in copy.

Book itself is great, I received a copy with at least one page ripped out and missing.

It is a good book but a bit dated. If you are looking for the latest and greatest in digital technology you might want to look elsewhere or look to a newer version (and shell out the bucks).

Lots of material, very detailed. Some stuff is in fact to detailed, therefore hard to understand for someone new to networking.

Excellent textbook on the subject for both undergraduate and graduate level. The only drawback is the online chapter and appendices' accessibility. This very useful material should be provided printed as well.

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