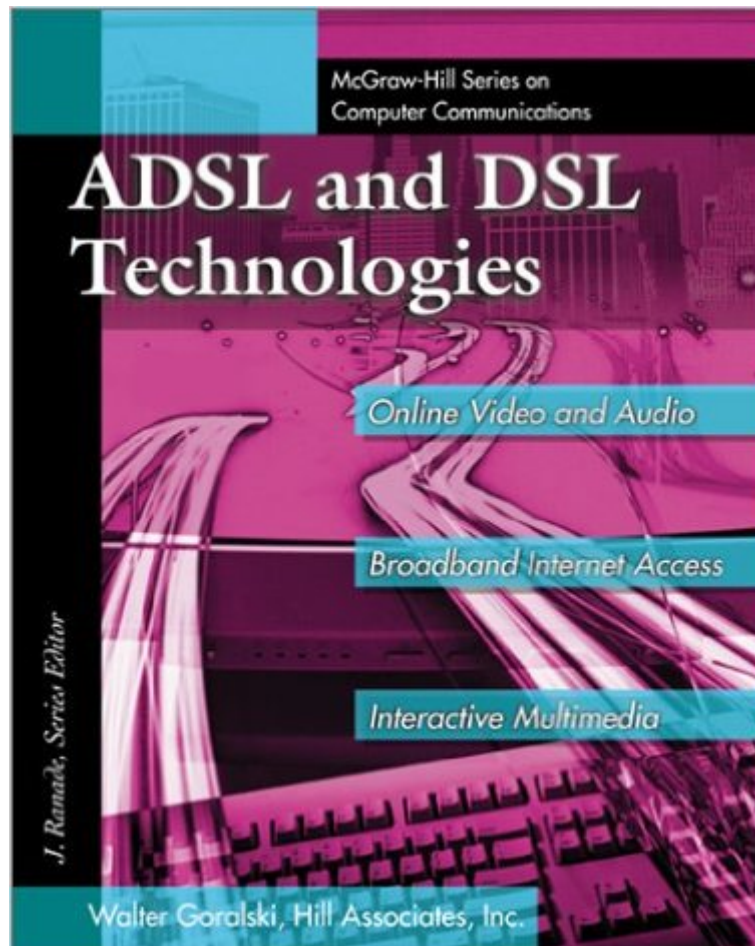


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# ADSL And DSL Technologies



## Synopsis

Remember ISDN? ISDN allows the transmission of data, voice, and video simultaneously over existing phone lines. ADSL (Asymmetric Digital Subscriber Line) does the same thing-only 50 times faster and cheaper. This book is an overview of the technology.

## Book Information

Series: McGraw-Hill Series on Computer Communications

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Product Dimensions: 9.2 x 7.4 x 1.1 inches

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Average Customer Review: 3.7 out of 5 stars [See all reviews](#) (12 customer reviews)

Best Sellers Rank: #4,673,754 in Books (See Top 100 in Books) #92 in [Books > Computers & Technology > Networking & Cloud Computing > Networks, Protocols & APIs > ISDN](#) #2768 in [Books > Computers & Technology > Networking & Cloud Computing > Data in the Enterprise](#) #3073 in [Books > Computers & Technology > Networking & Cloud Computing > Networks, Protocols & APIs > Networks](#)

## Customer Reviews

Writing a popular book about xDSL technology is a daunting task, but one that Walter Goralski largely accomplishes in his book "ADSL and DSL technologies." The book begins with a global view of the US telecommunications network, how the Internet is challenging this network, and what technologies are being developed to address the problems. This world view does an excellent job of placing xDSL technologies in perspective: they are solutions to digital data transport over portions of a telecommunications network designed specifically for analog voice traffic. The author has provide an excellent summary of how the American telephone network began, how it evolved, the various regulatory actions along the way, and the current state of affairs. For example, many people familiar with load coils and bridge taps know they can cause problems for xDSL technologies. Goralski explains how these devices got into the network in the first place, and the specific problems they pose for digital high-speed technologies. As part of this discussion the author describes the first analog systems, later digital systems, multiplexing and trunk topologies, different switching

technologies (packet and circuit) and the first wave of digital services such as ISDN. After a brief discussion of modems, the author launches into the main subject, which is the xDSL family of products and technology. He gives a brief high-level descriptions of HDSL, SDSL, RADSL, CDSL, IDSL, ADSL, and VDSL. Up to this point the number of acronyms is relatively manageable, but once he begins discussing xDSL in earnest the acronyms emerge exponentially. Fortunately, Goralski has a list of about 250 acronyms in the back of the book.

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