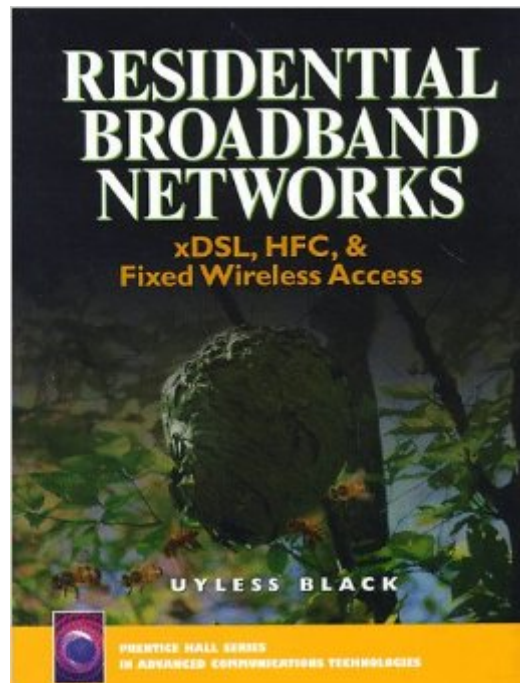


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# Residential Broadband Networks



## Synopsis

Virtually every service provider is planning or deploying a residential broadband network. This book shows engineers exactly how to get the job done. In this book, leading communications consultant, Uyles Black takes a close look at the three most important solutions for providing residential broadband service: Digital Subscriber Line (DSL), Hybrid Fiber-Coax (HFC), quickly-evolving alternatives for the wireless local loop, and GR-303 requirements for Integrated Access Systems. Understand the standards, as well as the hardware and software requirements for successful deployment. Learn what you need to know about switches and high-bandwidth modems, including cable modems. Understand the role of Lucent, Rockwell and U.S. Robotics 56 Kbps modems. The book also includes detailed practical coverage on providing high-speed Internet access, for both local exchange carriers and ISPs. For all communications engineers, especially those working for local telephone companies, cable companies and other service providers.

## Book Information

Series: Prentice Hall Series in Advanced Communications Technologies

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Average Customer Review: 2.8 out of 5 stars [See all reviews](#) (4 customer reviews)

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## Customer Reviews

From Uyles Black: Some ten years after writing technical books and receiving reviews on them, I've decided to respond to the input from readers. I should have done so sooner, but here it is now. You will now see this note placed on the comments for each book that is listed on this site, so don't bother re-reading. The note is the same for all the technical books. The "pros" comments have dealt mainly with an easy to understand format. The "cons" comments have focused on the books (a) not

being suited for college classes, (b) too many typos, and (c) mere recitations of ITU and Internet standards. There are other positive and negative comments, but these four points stand out. The books were intended to be general references; general in relation to the topic itself. They were designed specifically to provide a relatively non-technical overview of ITU and Internet standards. They were used mostly by professionals who had degrees, and needed to (quickly) come to a general understanding of a set of standards. Afterwards, the readers could then go into the details of the standards themselves. Thus, my task was to distill many pages of highly detailed specifications into a few pages of summaries. One of the principal criticisms of the books was the very reason they were written. I fault myself and my three publishers for not catching the typos, of which there are just too many. I was being asked by my publishers and my clients to hurry-up and get the next summary text out the door, as the clients' projects were beginning. That is why I wrote so many books in a short time. The technologies were coming out in rapid succession, and people did not have the time to read perhaps thousands of pages of standards. I did not take sufficient time to proof.

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