

# High-Speed Cable Modems (McGraw-Hill Series on Computer Communications)

## Content

### **High-Speed Cable Modems (McGraw-Hill Series on Computer Communications) by Albert Azzam.**

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Get the inside story on high-speed cable modems--and the IEEE HSM standard--from a key member of the IEEE 802.14 team! The Telecommunications Act of 1996 and the phenomenal growth of the Internet have combined to spark a new telecommunications revolution and an intensified worldwide bandwidth race. High-speed cable modems are a pivotal new technology for delivering the enormous bandwidth required to rapidly move full-motion video and other multimedia information across the Internet to and from homes and businesses around the world.

Written by a key member of the IEEE HSM working group, this authoritative reference to high-speed cable modems and the IEEE 802.14 standard is a must-read for every cable TV and telecommunications engineer and executive. It provides a wealth of technical information with which to plan the implementation of BroadBand services and gauge the impact of HSM technology on the network: overview of the HFC environment--its architecture, BroadBand services and transport medium, including the role of ATM in the HFC network; history and evolution of high-speed modems in the digital realm; detailed discussions of the HSM physical and Medium Access Control (MAC) layers, complete with performance evaluations of all proposals submitted to IEEE 802.14; architecture and requirements to deliver POTS via HFC, plus new PCS opportunities; complete information on all standard bodies, security in the HFC environment, ADSL and other alternative technologies, and the current state of the HSM worldwide market.

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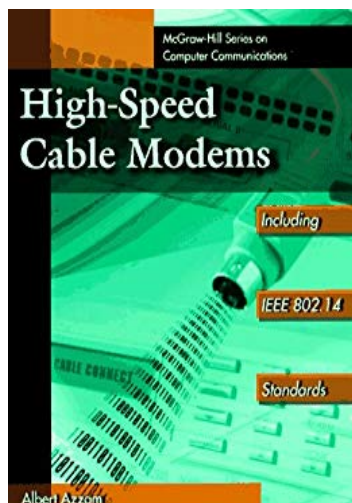
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