

Broadcom



Mission: Broadcom has greatly expanded its position as a leading enabler of the delivery of digital entertainment and information into and throughout the home by continuing to support the major providers of digital cable and satellite set-top boxes and broadband modems with industry-leading functionality and software. The company enables digital-media exchange for the connected home for broadband connectivity between PCs, set-top boxes and digital TVs.



Key Broadcom Markets

Broadcom provides end-to-end integrated broadband solutions for cable, DSL, DTV, Satellite Broadband, and Broadcast Access Networks.

- Cable and DSL Gateways
- Cable and Satellite Set-Top Boxes
- Cable Modem Termination Systems
- DSLAM Solutions
- DTV Solutions
- VoIP Solutions



Seven Trends Will Shape the Future of Broadband

Access to the Internet has become a big business for cable and telecom operators worldwide. But what trends will drive broadband in the future? Services, speed, home networking, on-demand video, digital media exchange, wireless connectivity, and network convergence are the seven key trends that will drive worldwide broadband technology and the business of broadband in the future.

— Services are clearly the primary driver of operators enabled by a digital access network that can deliver various voice, video, and data services. Direct broadcast satellite (DBS), cable, and telecommunications operators focus on delivering services for TV, voice, and Internet access. Expect to see a focus on “grand slam” service bundles—voice, video, data, and mobile.

— Speed continues to be the primary reason to subscribe to broadband Internet access. Internet service providers have used speed to lure customers and maintain pricing. Expect to see increases in Internet-access speed enabled by “over the top” independent service providers for IPTV services. It’s similar to what Vonage and Skype have done with Voice-over-Internet Protocol (VoIP) services.

— Wireless connectivity using 802.11g technology dominates today’s home networking. The race is now on to develop technologies of 500 Mbits/s or better. Expect the next-generation Wi-Fi® standard (802.11n) to surprise powerline and coax technologies proponents with leading range and throughput capabilities.

— On-demand video, whether called VOD or digital video recorder (DVR), has just begun to permanently alter the way the world watches television. Expect to see time-shifting and/or on-demand video on nearly every television set worldwide in the next five years.

— Digital media exchange developed quickly as a driver for broadband services. Expect to see an equivalent video business enabled by a wiser publishing industry, availability of DRM technology for mass deployment, an advanced compression-coding (AVC/VC-1) standard, and a customer base hungry for portable video entertainment.

— Mobile access is the wild-card operator, with 3G HSDPA technology allowing up to 14-Mbit/s transfer rates, rivaling cable and DSL speeds. Smart phones, with access to all corporate and home databases along with 24/7 connectivity, will significantly reduce the dependency on a PC or laptop. Expect to see smart phones, along with community keyboards and displays, dramatically outship laptops during the next few years.

— Network convergence, driven primarily by the needs of cellular carriers to provide better in-home cellular coverage, will drive cellular connectivity into wire-line broadband access devices. Look for convergence of wireless and wire-line networks. In turn, these will drive the deployment of Wi-Fi and VoIP capabilities into handsets. This will yield other forms of broadband IP services deliverable to mobile devices as well.