Broadcom Delivers Nine New 40nm Set-Top Box Solutions for the Full Resolution 3DTV Internet Connected Home

Cable, Satellite and IP STB Solutions Feature Higher Performance, Lower Cost and a Reduction in Power Consumption

LAS VEGAS, Jan. 4, 2011 /PRNewswire/ -- 2011 International CES -- Broadcom Corporation (Nasdaq: BRCM), a global leader in semiconductors for wired and wireless communications, today announced nine new cable, satellite and IP set-top box (STB) system-on-a-chip (SoC) solutions that enable multiple ways for consumers to experience the next generation Internet connected home featuring full resolution 3DTV. Designed in 40 nanometer (nm) CMOS process, all nine of Broadcom's new STB SoC solutions feature high integration, high performance and lower overall system cost.

Broadcom's new technology features a high performance application processor, support for Internet-based whole-home connectivity applications and services, and support for full resolution HD 3DTV capabilities (including MPEG H.264 scalable and multiview video coding (SVC/MVC) standards, and an OpenGL® ES 2.0 3D graphics processing unit (GPU) for advanced 3D graphics). Broadcom also provides extensive application libraries that enable rich Internet-based TV experiences using widely adopted industry standards, as well as support for the proliferation of high definition and 3DTV video content and web-based services.

By sharing common core architectures, each new STB platform enables consumer electronics manufacturers and service providers to quickly and more easily develop software and hardware solutions that can be leveraged across a wide range of devices. Broadcom's new STB SoCs will be demonstrated at this week's International Consumer Electronics Show in Las Vegas.

Highlights/Key Facts:

- In the media server cable, satellite and IP STB market, Broadcom introduces two new 40nm cable STB SoCs that feature an ultra-high performance MIPS®-based 1.3 GHz dual threaded applications processor with an additional 3000 DMIPS of hardware processing performance, totaling 6000 DMIPS. These new SoC solutions complement the Broadcom BCM7422 and Broadcom BCM7421 (the industry's first 40nm HD full resolution 3DTV video gateway STB SoCs announced in December 2010).
  - At the center of the home multimedia network, Broadcom's BCM7425 is the world's first home video media server (VMS) SoC solution to integrate a real-time HD transcoder coupled with a high performance applications processor, full resolution 3DTV with SVC, an OpenGL ES 2.0 3D GPU and MoCA 1.1 for whole-home connectivity. The BCM7425's HD transcoder converts broadcast, over-the-top (OTT) and user-generated content into a wide range of resolutions, formats and bit rates that enable seamless content distribution to connected devices both in the home and on-the-go, and also provides advanced services, such as video conferencing.
  - The new Broadcom BCM7424 VMS SoC solution features the same functionality as the BCM7425, but includes integrated Ethernet MII and PHY support for connectivity with Broadcom's Wi-Fi and powerline solutions.
  - Also introduced is the Broadcom BCM7418, a second generation connected client STB SoC with MoCA 1.1 that works together with server STB SoCs (such as the BCM7425 and the BCM7422) for enabling whole-home connectivity and features multi-room DVR and support for other connected home applications.

- In the satellite STB market, Broadcom introduces four new 40nm SoC solutions that feature full HD (1080p60 decode and display), the latest transmission-efficient MPEG H.264 SVC and MVC standards for enabling 1080p60/50 and full resolution HD 3DTV content distribution, an OpenGL ES 2.0 3D GPU for advanced 3D graphics, whole-home connectivity, and FastRTV™ fast channel change technology. The new SoC solutions include:
  - The Broadcom® BCM7344 single tuner HD AVC satellite receiver SoC with integrated MoCA® support for multi-room DVR applications.
  - The Broadcom BCM7346 dual tuner HD DVR AVC satellite receiver with integrated MoCA support for multi-room DVR applications.
  - The Broadcom BCM7354 single tuner HD AVC satellite receiver with integrated Ethernet MII and physical layer (PHY) capabilities for connectivity with Broadcom's Wi-Fi and powerline solutions.
  - The Broadcom BCM7356 dual tuner HD DVR AVC satellite receiver with integrated Ethernet MII and physical layer (PHY) capabilities for connectivity with Broadcom's Wi-Fi and powerline solutions.

- In the cable and IP STB market, Broadcom introduces two new hybrid HD DVR IP STB SoC solutions that feature the same functionality as the satellite and cable STB SoCs introduced above. These solutions offer smaller and more cost-
effective packages for a variety of deployments.

- The Broadcom BCM7230 HD DVR IP STB SoC solution features a dual thread 2000 DMIPS processor and is cost-optimized with 16 bit DDR3 memory interface.
- The Broadcom BCM7231 HD DVR IP STB SoC solution also features a dual thread 2000 DMIPS processor and 32 bit DDR3 interface.

- All of Broadcom's new 40nm STB solutions include additional features such as DDR3 memory interface(s), next generation security support, as well as support for platforms like Android and Linux along with compelling application libraries and frameworks (DLNA® 1.5, Webkit HTML 5, Java, Nokia's Qt Framework including QtWebKit, DirectFB, RVU Alliance's Remote User Interface (RUI), and the Adobe Flash® Platform for TV).

Quotes:

Dan Marotta, Executive Vice President & General Manager, Broadcom's Broadband Communications Group:

"We are at the cutting-edge of redefining the user experience in the connected home ecosystem with support for full resolution HD 3DTV and web-based software applications for a rich Internet-based TV experience. As service providers expand their home media networks, Broadcom's new 40nm high performance STB platforms are targeted to meet specific market requirements and price points, and all share a common core architecture that can be leveraged across multiple platforms for cost and power efficiencies."

Watch: Broadcom's BCM7425 Connected Home Video Demonstration

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About Broadcom

Broadcom Corporation is a major technology innovator and global leader in semiconductors for wired and wireless communications. Broadcom products enable the delivery of voice, video, data and multimedia to and throughout the home, the office and the mobile environment. We provide the industry's broadest portfolio of state-of-the-art system-on-a-chip and software solutions to manufacturers of computing and networking equipment, digital entertainment and broadband access products, and mobile devices. These solutions support our core mission: Connecting everything®.

Broadcom, one of the world's largest fabless communications semiconductor companies, with 2009 revenue of $4.49 billion, holds more than 4,500 U.S. and 1,900 foreign patents, and has more than 7,800 additional pending patent applications, and one of the broadest intellectual property portfolios addressing both wired and wireless transmission of voice, video, data and multimedia.

A FORTUNE 500® company, Broadcom is headquartered in Irvine, Calif., and has offices and research facilities in North America, Asia and Europe. Broadcom may be contacted at +1.949.926.5000 or at www.broadcom.com.

Cautions regarding Forward-Looking Statements:

All statements included or incorporated by reference in this release, other than statements or characterizations of historical fact, are forward-looking statements. These forward-looking statements are based on our current expectations, estimates and projections about our industry and business, management’s beliefs, and certain assumptions made by us, all of which are subject to change. Forward-looking statements can often be identified by words such as "anticipates," "expects," "intends," "plans," "predicts," "believes," "seeks," "estimates," "may," "will," "should," "would," "could," "potential," "continue," "ongoing," similar expressions, and variations or negatives of these words. Examples of such forward-looking statements include, but are not limited to, Broadcom's ability to meet specific market requirements and price points with its new 40nm STB platforms and also leverage that common core architecture for cost and power efficiencies across multiple platforms. These forward-looking statements are not guarantees of future results and are subject to risks, uncertainties and assumptions that could cause our actual results to differ materially and adversely from those expressed in any forward-looking statement.

Important factors that may cause such a difference for Broadcom in connection with its new 40nm cable, satellite and IP set-top box solutions include, but are not limited to:

- the rate at which our present and future customers and end-users adopt Broadcom's technologies and products for next generation set-top box applications;
- competitive pressures and other factors such as the qualification, availability and pricing of competing products and technologies and the resulting effects on sales and pricing of our products;
- the timing, rescheduling or cancellation of significant customer orders and our ability, as well as the ability of our customers, to manage inventory;
problems or delays that we may face in shifting our products to smaller geometry process technologies and in achieving higher levels of design integration; and
fluctuations in the manufacturing yields of our third party semiconductor foundries and other problems or delays in the fabrication, assembly, testing or delivery of our products.

Additional factors that may cause Broadcom's actual results to differ materially from those expressed in forward-looking statements include, but are not limited to the list that can be found at http://www.broadcom.com/press/additional_risk_factors/Q42010.php.

Our Annual Report on Form 10-K, subsequent Quarterly Reports on Form 10-Q, recent Current Reports on Form 8-K, and other Securities and Exchange Commission filings discuss the foregoing risks as well as other important risk factors that could contribute to such differences or otherwise affect our business, results of operations and financial condition. The forward-looking statements in this release speak only as of this date. We undertake no obligation to revise or update publicly any forward-looking statement, except as required by law.

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