



Broadcom Expands Family of Wi-Fi 6 Solutions with New Mesh Networking Platforms

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Broadcom elevates carrier grade whole home Wi-Fi with MaxWiFi 802.11ax technology

SAN JOSE, Calif., Oct. 23, 2018 (GLOBE NEWSWIRE) -- Broadcom Inc. (NASDAQ:AVGO), the global leader in high performance Wi-Fi solutions for home networking announced the availability of two new highly integrated SoCs which combine the benefits of 802.11ax with mesh networking, allowing operators to provide subscribers a premium whole home Wi-Fi experience based on state of the art Wi-Fi 6 technology announced by the Wi-Fi Alliance. The new platforms were specifically designed to enable a variety of high performance smart repeater configurations that allow faster download and upload speeds, high capacity, better coverage, lower latency and enhanced battery life afforded by Broadcom's Wi-Fi 6 implementation. Both devices were engineered to be highly integrated and power efficient to allow dualband or triband repeaters to fit into compact wall-plug form factors.

The first platform, [BCM6752](#), combines a multi-core CPU complex, two ports of Gigabit Ethernet and a 2-stream Wi-Fi 6 radio into a compact package. The BCM6752 has an interface to externally connect the BCM43684 4-stream Wi-Fi 6 solution to build a high performance concurrent dualband smart repeater. The second platform, [the BCM6755](#), is the industry's most integrated repeater solution. It combines a multi-core CPU complex, one port of Gigabit Ethernet and two 2x2 Wi-Fi 6 radios enabling ultra-compact wall-plug form factors for "sprinkler head" deployment topologies. In addition, the BCM6755 can be combined with the BCM43684 radio for very high performance triband repeaters. The new platforms allow the productization of Wi-Fi 6 smart repeater solutions which span the spectrum of cost, form factor and performance.

The BCM6752 and BCM6755 platforms come with Broadcom's SmartMesh multi access point management technology which is also offered on Broadcom's Wi-Fi 6 enabled Cable, DSL and PON broadband gateway platforms. SmartMesh technology offers seamless onboarding and configuration of repeaters, in addition to intelligent channel management and dynamic client steering. Broadband gateway platforms with SmartMesh can be combined with smart repeaters to form an intelligent Wi-Fi 6 mesh network, enabling high speed broadband coverage to be deployed seamlessly throughout a home. The software suite also offers an application programming interface to enable third party cloud based managed Wi-Fi solutions. SmartMesh provides operators the assurance of multi-vendor interoperability driven by full compliance to the Wi-Fi Alliance EasyMesh industry standard.

"Broadband service providers around the world are offering consumers premium Wi-Fi services based mesh networking technology," said Greg Fischer, senior vice president and general manager, Broadband Carrier Access at Broadcom. "With today's announcement, Broadcom is first to offer broadband service operators a complete portfolio of Wi-Fi 6 solutions which spans multiple high performance wireless gateway platforms to Wi-Fi 6 range extenders that are optimized for cost and form factor. Broadcom's eco-system of Wi-Fi 6 home networking products will allow operators to raise the bar on premium Wi-Fi services that provide whole home coverage and faster speeds to the ever increasing number of wireless devices in their subscriber's homes."

"Enabling modern services over a high performance and reliable Wi-Fi network throughout the home is a key focus area for Plume," said Fahri Diner, co-founder and CEO of Plume. "Leveraging Broadcom's newest extender platforms, Plume will offer multiple configurations of Pods based on Broadcom's Wi-Fi 6 technology that compliments the 802.11ax broadband gateways we see operators adopting quickly. Combined with the benefits of sophisticated cloud management that is required in the Wi-Fi 6 era, this comprehensive solution with Broadcom allows our customers to upgrade subscriber homes to the latest generation of Wi-Fi technology, resulting in superior experiences over a higher capacity and lower latency Wi-Fi infrastructure."

Broadcom is working with Early Access Partners on extenders designs based on BCM675X.

For more information about the Broadcom BCM675X and other 802.11ax Max WiFi products, visit Broadcom's [wireless LAN infrastructure page](#).

About Broadcom

Broadcom Inc. (NASDAQ:AVGO) is a leading designer, developer and global supplier of a broad range of digital and analog semiconductor connectivity solutions. Broadcom Inc.'s extensive product portfolio serves four primary end markets: wired infrastructure, wireless communications, enterprise storage and industrial & other. Applications for our products in these end markets include: data center networking, home connectivity, set-top box, broadband access, telecommunications equipment, smartphones and base stations, data center servers and storage, factory automation, power generation and alternative energy systems, and electronic displays. For more information, go to www.broadcom.com.

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