



Quantenna Expands Its 11ax Product Portfolio

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QSR5GU-AX PLUS With Unique 5x5 Architecture Addresses Mainstream Markets

SAN JOSE, Calif., Sept. 12, 2018 (GLOBE NEWSWIRE) -- Quantenna Communications, Inc. (NASDAQ: [QTNA](#)), the innovator and global leader of high performance Wi-Fi solutions announced that the QSR5GU-AX PLUS, the world's only dual-band, 9-stream 802.11ax solution, is now sampling. The QSR5GU-AX PLUS is an unparalleled solution for mainstream access points, home gateways and mesh repeaters, providing consumers with much clearer Wi-Fi channels, higher airtime efficiency and soaring speeds. From seamless streaming of high-definition movies to responsive gaming, this technology provides end users with an exceptional Wi-Fi experience.

The QSR5GU-AX PLUS joins a family of differentiated 802.11ax product offerings from Quantenna. Its unique 5x5 5GHz + 4x4 2.4GHz architecture includes advanced technologies that outdistance existing 4x4 5GHz + 4x4 2.4GHz products. These include:

Integrated dual-band, dual-concurrent 2.4GHz and 5GHz functionality in the same chipset: One chipset optimized for the best overall Wi-Fi performance.

Embedded CPU: This allows full access point and repeater functions to be supported without need for an external CPU, which as a result lowers overall cost and power.

5x5 MIMO capability in the 5GHz band: The addition of a fifth chain allows up to 50 percent more speed, especially in MU-MIMO operation.

Background scanning: Its architecture allows background 5GHz scanning by not interrupting existing data transmissions. This allows superior 5GHz spectrum utilization for improved network capacity.

Always-On DFS: Its advanced algorithm intelligently selects and operates in the cleanest DFS channel including the weather radar channels, which are seldom occupied. This allows QSR5GU-AX PLUS networks to have the maximum performance in dense environments.

"Once again, our 5x5 and 8x8 MIMO technologies are transforming the market, similar to how our innovative 4x4 MIMO products revolutionized the market years ago," said Dr. Sam Heidari, Chairman and CEO of Quantenna. "From mainstream to premium, these technologies are the base for a variety of cost optimized Wi-Fi products with the highest level of performance."

"The significance of 802.11ax lies in its ability to consolidate separate parts of the Wi-Fi ecosystem, from simpler, lower-cost single-band implementations for IoT that can access smaller resource units to complex, high-end dual-band implementations for access points, routers, gateways and set-top boxes," said Phil Solis, research director, Connectivity and Smartphone Semiconductors at IDC. "With many end devices like smartphones and PCs with 802.11ax ramping up over the next few years and the internet service provider space increasingly acting on their realization of the importance of high-quality Wi-Fi to their offerings, 802.11ax-enabled infrastructure will quickly move from the very high-end to more mainstream offerings."

About Quantenna Communications

[Quantenna](#) (NASDAQ: QTNA) is the global leader and innovator of high-performance Wi-Fi solutions. Founded in 2006, Quantenna has demonstrated its leadership in Wi-Fi technologies with many industry firsts. Quantenna continues to innovate with the mission to perfect Wi-Fi by establishing benchmarks for speed, range, efficiency and reliability. Quantenna takes a multidimensional approach, from silicon and system to software, and provides total Wi-Fi solutions. For more information, visit www.quantenna.com.

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