



Quantenna Partners with NXP® on Wi-Fi 6 Solutions

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BARCELONA, Spain, Feb. 25, 2019 (GLOBE NEWSWIRE) -- Quantenna Communications, Inc. (NASDAQ: [QTNA](#)) has partnered with NXP Semiconductors N.V. (NASDAQ: NXPI) to develop comprehensive platforms for the Wi-Fi 6 market. The platforms include hardware, software and a set of reference designs for integrated residential gateways, routers and repeaters, as well as enterprise, industrial and outdoor applications. These designs combine Quantenna's Wi-Fi 6 products, QSR10GU-AX PLUS and QSR5GU-AX PLUS, with NXP's Layerscape® processors, including LS1043A and LS1046A multicore processors. They offer high levels of Wi-Fi performance with up to 10 Gbps throughput, a high-performance networking stack with extra security features, support for IoT technologies such as Bluetooth® and NFC, and processing headroom for customer applications.

Quantenna's QSR10GU-AX Plus (12-stream) and QSR5GU-AX Plus (9-stream) provide integrated dual-band, dual-concurrent 2.4 GHz and 5 GHz functionality in the same chipset, and support speeds up to 10 Gbps for the QSR10GU-AX Plus. Both chipset families include the *SmartScan* feature, which offers enhanced radar detection and spectrum analyzer capabilities with wide frequency range analysis. These families also support advanced MU-MIMO schemes, allowing for transmission to multiple devices at the same time.

The pin-compatible NXP LS1043A and LS1046A are quad-core, 64-bit Arm®-based processors designed for high-performance communication systems. They offer up to 45,000 Coremarks of CPU performance and include on-chip packet and crypto acceleration for up to 20 Gbps routing throughput. Supported by NXP's rich software solutions and pre-integrated with optimized host drivers for Quantenna Wi-Fi, these platforms bring enterprise-class performance to multiple applications.

"As a leader in the industry's transition to Wi-Fi 6, Quantenna is enabling innovations that provide end users with the best Wi-Fi experience," said Ambroise Popper, vice president, strategy and corporate marketing, Quantenna. "We are thrilled to be working with NXP to deliver powerful solutions that meet and exceed the market needs."

"NXP's scalable Layerscape family of 64-bit Arm-based communications processors is leading the Edge Computing wave. Our software and hardware solutions enable gigabit-class networking while freeing up CPU headroom to run new value-added services," said Noy Kucuk, vice president of product management, NXP. "As a leading-edge Wi-Fi technology company, we see Quantenna as the ideal complement to our smart processing solutions."

About Quantenna Communications

[Quantenna](#) (NASDAQ: QTNA) is a 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.

About NXP Semiconductors

NXP Semiconductors N.V. (NASDAQ: NXPI) enables secure connections and infrastructure for a smarter world, advancing solutions that make lives easier, better, and safer. As the world leader in secure connectivity solutions for embedded applications, NXP is driving innovation in the secure connected vehicle, end-to-end security & privacy, and smart connected solutions markets. Built on more than 60 years of combined experience and expertise, the company has approximately 30,000 employees in more than 30 countries and posted revenue of \$9.41 billion in 2018. Find out more at www.nxp.com.

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