



PERASO DRAMATICALLY LOWERS COST FOR POINT-TO-MULTIPOINT FIXED WIRELESS BROADBAND

Latest X710 WiGig chipset from Peraso provides ISPs with fiber-like, multi-gigabit wireless connections to multiple clients simultaneously

TORONTO – November 28, 2017 – [Peraso Technologies Inc.](#), a leader in Wireless Gigabit (WiGig®) chipsets, today announced the production shipments of its new X710 WiGig phased array chipset, optimized for point-to-multipoint (PTMP) fixed wireless broadband applications. Designed for the wireless infrastructure market and operating in the license-free 60 GHz band, the chipset with adaptive beam steering provides the longest coverage range in the industry. The X710 enables multi-gigabit, fiber-like wireless connections to multiple endpoints at once, making it possible to cost-effectively deploy into applications such as last mile access, WiGig-to-the-home, small cell backhaul and broadband mesh networking.

IgniteNet, a provider of cloud-managed wireless solutions, has embedded Peraso's X710 chips in its new 10 Gbps MetroLinq Tri-Band Omni outdoor base station. This base station is a first to market with three 120° beamforming sectors to enable 60 GHz interference-free connections to high-capacity wireless broadband clients and network backhaul rings. Ideal applications include urban deployments connecting multiple MDUs, multi-gigabit connectivity to rural areas, Wi-Fi hotspot backhaul and access, and backhaul for mobile, traffic control and security networks.

"As wireless ISPs look to avoid costly new fiber buildouts or augment existing fiber networks, they're seeking 60 GHz solutions that can deliver immediate value," said Harold Bledsoe, president at IgniteNet. "Peraso's expertise and singular focus on developing silicon exclusively for the 60 GHz band made it the obvious choice for our MetroLinq portfolio, and specifically in our new point-to-multipoint 10G Omni base station. With the latest Peraso X710 chipset, our customers can easily and immediately reap the benefits – rapid rollout of high speed and gigabit service, at a small fraction of the cost of fiber."

Peraso was first to ship an integrated 60 GHz silicon solution into the fixed wireless infrastructure market with the introduction of its X610 chipset at the beginning of 2016. The X710 chipset adds expansive new capabilities developed specifically for PTMP topologies, including a phased array RFIC with adaptive and electronic beam steering to multiple client connections. In addition, the X710 provides robust performance over extreme temperatures, operating across the industrial -40°C to 85°C range, as well as the highest transmit power and the longest range in the industry.

"Operating within unlicensed spectrum so ISPs can rapidly deploy and offer services without acquiring spectrum, WiGig is a natural fit for fixed wireless applications, and at a cost dramatically lower than fiber buildouts," said Ron Glibbery, president and CEO at Peraso. "Our new X710 chipset brings the power of 60 GHz interference-free connectivity to equipment manufacturers at an unprecedented price point, opening up the market opportunity and making the delivery of high speed and gigabit services broadly accessible."

Additional key features in the new X710 chipset include:

- Independent and customizable antenna solution
- Up to 3 Gbps real throughput for true multi-gigabit service delivery
- Complete support for all Modulation and Coding Scheme (MCS) rates in IEEE 802.11ad wireless standard
- PHY level support for WiGig beamforming and beam tracking

Peraso is showcasing its fixed wireless solutions including the new X710 chipset at the Next Gen Wireless Networks Summit, taking place November 28-29, 2017 in Dallas, Texas. To arrange a private demonstration, please contact: mdenicola@perasotech.com.

About IgniteNet

Headquartered in Irvine, CA, IgniteNet is a wholly owned subsidiary of [SMC Networks, Inc.](#) IgniteNet has a proven track record of producing powerful, reliable, easy to deploy, and innovative cloud managed wireless solutions and the industry's lowest cost 60 GHz wireless technology through channel partners worldwide, focusing on Enterprises and Service Providers. For more information, please visit <http://www.ignitenet.com>.

About Peraso Technologies, Inc.

Peraso is a fabless semiconductor company headquartered in Toronto, Canada. The company is focused on the development of 60 GHz chipsets and solutions compliant with the IEEE 802.11ad specification. 60 GHz has been adopted for interoperability certification by the WiFi Alliance under the WiGig® brand. For more information, visit www.perasotech.com.

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