

Socionext Joins OnGo Alliance to Expand CBRS Usage

Championing CBRS Innovation and Greater Adoption and Deployment in
5G and Private Wireless Networks

Langen/Germany, 30. November, 2021 --- Socionext America Inc., a global provider of leading-edge network and data center SoC solutions, has joined the OnGo Alliance to help drive the adoption of private LTE and 5G networks by developing solutions for the U.S. 3.5GHz Citizens Broadband Radio Service (CBRS) band.

The OnGo Alliance is a coalition of more than 196 companies, including mobile operators, cable operators, managed service providers (MSPs), mobile virtual network operators, enterprises and more. It supports CBRS as a strong solution to the challenges of Wi-Fi or 4G networks from wireless service providers, which are non-customizable and unable to handle large amounts of data easily or cost-effectively. While Wi-Fi may solve some of those issues, security, interference, and mobility support remain major problems. A "neutral host" approach to deploying custom wireless networks over CBRS spectrum offers an ideal solution that helps address many of these issues.

CBRS Offers a Dynamic Spectrum Access with Strong Protection and Control

CBRS features a dynamic spectrum access system (SAS) that manages the allocation of frequencies in this shared range and offers network operators expanded business opportunities with an efficient way to set up their own private LTE or 5G/NR "New Radio" networks with many benefits. The adoption of CBRS allows companies better protection and control for deciding which devices have access to the network, and it helps keep data protected and resistant to external attacks.

"I am delighted to have Socionext America joining this coalition of network industry leaders," said Alan Ewing, OnGo Alliance Executive Director. "As a valued member, Socionext brings to OnGo Alliance a wealth of technical expertise and experience to evangelize and broaden CBRS adoption."

"CBRS is a real game-changer as it can help to lower any organization's overall CAPEX/OPEX," said Rajinder Cheema, Senior Vice President of Custom Solutions & Engineering, Socionext America Inc. "Socionext aims to help innovative IoT and 5G network OEMs develop differentiated SoCs and solutions for building CBRS products offering superior data communication and capacity for unparalleled signal integrity, in-building coverage."

Flexible CBRS Supports Multiple Carriers

The CBRS neutral host can support multiple wireless carriers as well as dedicated private networks so companies can scale their network as needed. 5G core (5GC) components can be dynamically deployed

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and managed in lightweight server environments within public, private or hybrid data centers. Also, CBRS provides high-quality wireless services for hard-to-reach rural areas with a more cost-effective and time-saving approach than cable or fiber-based solutions.

More network carriers and vendors understand these benefits and seek reliable semiconductor providers to help build their custom CBRS solutions. Socionext offers market-leading, high-performance ADCs, DACs, SerDes, compute & DSP IPs, and has decades of expertise in developing leading-edge silicon technology and design methodologies to address the most demanding environments, such as optical and wireless networks, server clusters and data centers, and emerging Industry 4.0 applications.

As a committed member of the OnGo Alliance, Socionext recognizes the value CBRS brings and how the spectrum helps to revolutionize the future of private LTE and 5G networks.

About Socionext

Socionext is a global, innovative enterprise that designs, develops and delivers System-on-Chip solutions to customers worldwide. The company is focused on technologies that drive today's leading-edge applications in consumer, automotive and industrial markets. Socionext combines world-class expertise, experience, and an extensive IP portfolio to provide exceptional solutions and ensure a better quality of experience for customers. Founded in 2015, Socionext Inc. is headquartered in Yokohama, and has offices in Japan, Asia, United States and Europe to lead its product development and sales activities. For more information, visit www.socionext.com.

About Socionext America Inc.

Socionext America Inc. (SNA) is the US branch of Socionext Inc. headquartered in Santa Clara, California. The company is one of the world's leading fabless ASIC suppliers, specializing in a wide range of standard and customizable SoC solutions for automotive, consumer, and industrial markets. Socionext provides customers with quality semiconductor products based on extensive and differentiated IPs, proven design methodologies, and state-of-the-art implementation expertise, with full support.

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