NXP Secure UWB deployed in Samsung Galaxy Note20 Ultra Bringing the First UWB-Enabled Android Device to Market

August 11, 2020

News Highlights:

NXP Secure UWB deployed in Samsung Galaxy Note20 Ultra

- NXP's industry-first solution to combine UWB fine-ranging, NFC, Secure Element, and embedded SIM (eSIM) is included in Samsung's new Galaxy Note20 Ultra.
- NXP's UWB technology delivers "relative-location" with unprecedented accuracy in crowded, multipath signal environments with numerous walls, people, and other obstacles.
- NXP's mobile wallet extends into an end-to-end solution for a myriad of security applications such as NFC-based payments, mobile ticketing, eSIM, and first of its kind spatial-aware applications enabled by UWB.

EINDHOVEN, The Netherlands, Aug. 11, 2020 (GLOBE NEWSWIRE) -- NXP Semiconductors N.V. (NASDAQ: NXPI) today announced that NXP's Secure Ultra-Wideband (UWB) fine-ranging solution, embedded SIM (eSIM) as well as Near Field Communication (NFC) and Secure Element (eSE) unit are deployed in Samsung's new Galaxy Note20 Ultra [1]. NXP innovations bring a variety of future capabilities and applications to mobile devices as they become the smart hub of daily digital life.

Propelling today's on-the-go lifestyle with secure mobile solutions, NXP tethers consortia and ecosystem collaborations to ironclad industry alignment around UWB. NXP and Samsung are two of the founding members of the FiRa Consortium, which was established in 2019 to foster interoperability in the development and widespread adoption of UWB.

"For the first time in a Galaxy device, Samsung is integrating NXP's UWB technology into our latest Galaxy Note20 Ultra to make sharing photos, videos and files easier," said Inkang Song, Vice President and Head of Technology Strategy Group of IT & Mobile Communications Division at Samsung Electronics. "We are excited to introduce future UWB functionality in our Galaxy devices that will help locate items more accurately with AR technology and unlock your home as a digital key that will make life easier for consumers."

UWB technology delivers unprecedented accuracy in both line-of-site (LoS) and strong localization in non-line-of-sight (nLoS) scenarios, such as crowded, multipath signal environments with numerous walls, people, and other obstacles. It also uses angle-of-arrival (AoA) technology to indicate the direction of a signal for added precision, and to locate and identify other devices or objects at centimeter level. With that, Samsung's utilization of UWB in its latest Galaxy Note20 Ultra brings users powerful tools to help maximize their time and simplify their daily routines.

"NXP offers a comprehensive suite of UWB chipsets that span best-in-class security, automotive, IoT and mobile architectures for real-time, precise, localization capabilities across market applications; this has never been more important with mobile devices driving the digitization of identities so people can interact contactless with the world around them," said Rafael Sotomayor, Executive Vice President and GM, Connectivity and Security at NXP. "In addition to UWB, eSIM is also a new use case enabled in our mobile wallet that provides connectivity options beyond traditional SIM."

A robust solution for the future of mobility

- **Completely hands-free access control:** The unparalleled precision sensing of NXP's Secure UWB technology includes outstanding localization that will make it possible for mobile devices to communicate with connected doors, points of entry, and cars for completely hands-free access control.

- **Simplified integration**: Building on NXP's NFC connectivity, mobile ecosystem expertise and proven security architecture found in many of today's popular mobile payment-enabled devices, UWB can be part of a system that quickly and securely initializes communication. With NFC onboard, devices can continue to perform contactless transactions even when they ran out of battery.

- **The next generation in connectivity:** Unlike traditional SIM cards that must be removed and replaced in new devices, NXP's GSMA-compliant eSIM solution is integrated permanently into a device, making remote SIM provisioning radically easier and providing over-the-air SIM updates. The external SIM slot plus eSIM allow end users to have two or more phone numbers on a single device. The eSIM functionality comes with all Samsung Galaxy Note20 Ultra devices, excluding China, Japan, and Korea.

Learn more about NXP's SR100T UWB solution at: www.nxp.com/uwb

About NXP Semiconductors
NXP Semiconductors N.V. enables secure connections 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 automotive, industrial & IoT, mobile, and communication infrastructure markets. Built on more than 60 years of combined experience and expertise, the company has approximately 29,000 employees in more than 30 countries and posted revenue of $8.88 billion in 2019. Find out more at www.nxp.com.

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[1] NFC and eSE will be embedded in selected devices.

A photo accompanying this announcement is available at https://www.globenewswire.com/NewsRoom/AttachmentNg/97ff9470-a977-4cf4-953d-cd50cce6c873

Source: NXP USA, Inc.