



UPDATE – NXP Announces Secure Ultra-Wide Band Ranging Technology

June 13, 2019

News Highlights:

- NXP announces a new breed of Ultra-Wide Band (UWB) ranging technology to offer security, precision sensing, and spatial context behaviors for wireless devices.
- Technology features unique mix of 2D and 3D precise positioning with low power consumption.
- [Watch the video about NXP UWB technology](#)

SANTA CLARA, Calif., June 13, 2019 (GLOBE NEWSWIRE) -- NXP Semiconductors N.V. (NASDAQ:NXPI) announced at its annual developer conference in the Silicon Valley its development of UWB technology designed for a broad range of markets, including mobile, automotive, Internet-of-Things (IoT) and industrial. NXP's new UWB technology brings secure ranging and precision sensing creating a new dimension of spatial context for wireless devices. This strategic announcement sets the stage for UWB-enabled use cases likely to emerge in the market as soon as 2020.

"NXP's UWB sparks exciting new use cases that have never before been possible," said Kurt Sievers, President at NXP. "The technology not only understands motion and relative positioning outdoors and indoors, but its real-time robust accuracy can change the way we drive efficiency in factories, play interactive games or use AR/AI applications on our phones. We're excited to share news of our latest developments in this space to bring us into a new era of intuitive on-demand applications."

About NXP UWB Technology

This new generation of UWB is a major evolutionary step from the existing wireless technologies, such as Wi-Fi, Bluetooth and GPS. Its ability to process contextual information such as the position of the UWB anchor, its movements, and distance to other devices with an unprecedented precision of a few centimeters, enables decision making and management of these devices to take place with high granularity.

NXP UWB enables accurate localization capabilities. Doors and points of entry will open once approaching them. Lights, audio speakers and any other connected devices with sensors will be able to follow consumers from one room to another, and smart connected technology will blend in more intuitively in people's lives.

NXP UWB Technology Benefits Include:

- UWB higher bandwidth channel provides greater instantaneous precision than existing wireless technologies in challenging environments, leading to an accuracy of a few centimeters.
- UWB enables latency sensitive applications, such as access, gaming, and AR, by an efficient Time-of-Flight calculation.
- UWB adds a new level of security to car key fobs and can prevent relay attacks by distinguishing the authentic signal from the relayed/spoofed signal.

NXP's UWB technology builds on our emerging connectivity portfolio with a leading position in NFC and recent announcements in [5G RF Power](#) and [intent to acquire Marvell's Wi-Fi and Bluetooth assets](#).

NXP is sampling solutions to its early access partners and will be demonstrating UWB capabilities at NXP Connects.

About NXP Connects 2019

NXP Connects is being held at the Hyatt Regency Santa Clara and Convention Center. Attendees get hands-on with innovative products and solutions that enhance how we live, work, and play. [Click here](#) for the full agenda focused on how to turn smart technologies into brilliant applications -- from driverless vehicles to home automation and industrial IoT.

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.

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. All rights reserved.
© 2019 NXP B.V.

For more information, please contact:

Americas

Tate Tran

Tel: +1 408-802-0602

Email: tate.tran@nxp.com

Europe

Martijn van der Linden

Tel: +31 6 10914896

Email: martijn.van.der.linden@nxp.com

Greater China / Asia

Ming Yue

Tel: +86 21 2205 2690

Email: ming.yue@nxp.com



Source: NXP USA, Inc.