NXP Extends its Edge-Connected Platform Portfolio with i.MX Applications Processors and Wi-Fi/Bluetooth Solutions

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- The company continues to integrate its Wi-Fi/Bluetooth combo solutions across its edge processing portfolio, allowing developers to create the optimal pairing of processing with connectivity
- NXP combines its MPU and Wi-Fi/Bluetooth platform solutions within its i.MX Board Support Package (BSP) to simplify and accelerate Linux and Android-based IoT product development
- Connectivity modules and MPU development kits are available now through NXP's extensive distribution network

EINDHOVEN, The Netherlands, Oct. 15, 2020 – NXP Semiconductors N.V. (NASDAQ: NXPI) today announced that its Wi-Fi/Bluetooth® combos and i.MX applications processors are now supported within its i.MX BSP software to dramatically simplify product development and provide a new level of integration as NXP continues to expand the connectivity capabilities of its EdgeVerse™ edge computing and security platform. By integrating the NXP 'One Driver' into the i.MX board support package (BSP), NXP is providing developers with flexible and scalable platforms to help accelerate compliance, significantly shorten time-to-market and streamline Wi-Fi/Bluetooth combo deployments. These new platforms make it possible to mix and match the right MPU and Wi-Fi/Bluetooth combo devices to provide developers with the flexibility needed to meet the performance and power requirements of their IoT, industrial, automotive, and communications infrastructure applications.

Linux/Android Board Support Package (BSP)

NXP has integrated its Wi-Fi/Bluetooth drivers and communications stacks with i.MX applications SoCs to simplify and accelerate application development. By using the Linux/Android BSPs, developers can easily combine wireless connectivity with i.MX applications processor capabilities. The pre-integrated Wi-Fi/Bluetooth drivers have been verified and tested to deliver several useful examples, including:

- iPerf utility to test device-to-device performance
- Wi-Fi provisioning example for easily connecting new devices to networks
- Command Line Interface (CLI) to set Wi-Fi parameters and network properties and experiment with various Wi-Fi settings/parameters
- Amazon Web Services to use as a framework for IoT products as well as device, gateway, phone, and cloud connection examples

Module Partners – The Path to Production

NXP has partnered with leading module vendors, around the world, including Azurewave, Murata, Panasonic, and u-blox to deliver fully certified, platform-integrated modules for developer designs. With additional partners being added throughout the year, NXP's broad range of module suppliers adds more flexibility for developers to choose the best module for their application and reduce the design complexity, development costs, and the time to certification.

Availability

The i.MX applications processors are the latest series of edge processing product lines to be supported by NXP's Wi-Fi and Wi-Fi/Bluetooth combo connectivity solutions, which are now available through NXP's module partners and NXP's global mass market and distribution network, including Arrow, Avnet, Future, EBV, Mouser, Digikey, E14, and WT Micro. Learn more at nxp.com/wifibluetooth

About NXP's Connectivity Portfolio

With one of the industry's broadest portfolios of wireless technologies, NXP is committed to accelerating its vision of a connected world that anticipates and automates. When combined with the processing power of the EdgeVerse platform, NXP is uniquely positioned to enable smart connected devices for IoT, industrial, auto and communication infrastructure applications—making lives easier, safer, and more convenient. Whether it's connecting people to the Internet, joining IoT devices to the cloud, or communicating with cars in new and unexpected ways, NXP's portfolio allows developers to advance their most innovative ideas with confidence. Together with our partners, we are enabling solutions that accelerate a securely connected world. Learn more at nxp.com/connectivity

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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