Eindhoven, Netherlands, May 7, 2020 — NXP Semiconductors (Nasdaq: NXPI), today introduced the K32W061/41 wireless microcontrollers (MCUs). The new ultra-low power MCUs feature a single chip solution for the wireless connectivity needs of the Internet-of-Things (IoT) space, with a focus on Smart Home and Building automation.

The new K32W061/41 MCUs are available now from NXP and its authorized distribution partners. For more information, please contact:

Jason Deal
Tel: +44 7715228414
Tel: +86 21 2205 2690
Email: jason.deal@nxp.com

Ming Yue
Europe
Email: ming.yue@nxp.com

Americas
Tel: +1 773228514
Email: jason.deal@nxp.com

Greater China / Asia
Tel: +86 21 2205 2690
Email: ming.yue@nxp.com

Lowering the power consumption of today’s smart home and IoT devices is crucial to maximizing the performance from a single coin cell battery. NXP® K32W061/41 MCUs achieve this via multiple low power modes and ultra-low transmit/receive radio power capabilities.

The demand for ultra-low power connectivity in the smart home continues to grow as does the number of wireless technologies to choose from,” says Tom Parkman, senior marketing director for connectivity solutions at NXP. "With the launch of our new multiprotocol wireless microcontrollers, NXP is providing ultra-low power performance for connected applications by leveraging the breadth and expertise of our technology portfolio to deliver solutions that make it easier for OEMs to design robust and feature-rich Internet of Things devices with Bluetooth LE, Zigbee and Thread.

The K32W061 and the K32W041 feature an IEEE 802.15.4 radio supporting Thread and Zigbee networking protocols, Bluetooth Low Energy 5.0 and an integrated NFC NTAG®. This device also supports a wide operating temperature range of -40°C to +125°C. As a founding member of the Zigbee Alliance and Thread Group, NXP has over 15 years of experience along with its local NXP solutions to integrate the latest connectivity standards with embedded intelligence. These peripherals support a range of use cases that include:

- Home and building automation
- Security and access control
- Smart thermostats and locks
- Gateways and secure sensor networks

The K32W061/41 wireless microcontrollers are based on an Arm® Cortex® M4 microcontroller core running at 48MHz and an integrated radio capable of receiving up to 100Kbps making long distance transmission possible. Additionally, it supports Bluetooth Low Energy 5.0, Zigbee, and OpenThread wireless network protocol stacks.

Product Availability

The K32W061/41 family of microcontrollers are available now from NXP and its authorized distribution partners.

About NXP’s Connectivity Portfolio

With one of the industry’s broadest portfolios of wireless technologies, NXP is committed to accelerating our 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 — 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 unprecedented ways, NXP’s portfolio allows customers to advance their local innovations and confidence in a secure, trusted environment.

NXP Semiconductors N.V. (Nasdaq: NXPI) is one of the world’s leading semiconductor companies, enabling security and connectivity innovations for a smarter world. At the heart of NXP’s products are proprietary or standard-based, integrated semiconductor solutions that combine embedded processing, analog, power, RF, optical and digital technologies. NXP serves customers in automotive, infrastructure, security and mobile communications markets. Headquartered in Eindhoven, the Netherlands, NXP has approximately 29,000 employees in more than 30 countries. Information about NXP can be found at www.nxp.com.

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