



NXP Unveils High-power Wireless Charging Solution for Notebooks & 2-in-1 Tablets

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NXP cuts the cord, brings wireless charging technology to portable computing segment

LAS VEGAS, Jan. 04, 2017 (GLOBE NEWSWIRE) -- **(CES 2017)** -- NXP Semiconductors N.V. (NASDAQ:NXPI) today introduced the first high-power wireless charging solution for notebooks and 2-in-1 tablets, with up to 100W of delivered power, covering the entire range of power supply requirements for this segment. At <2mm in thickness and low component count, the solution is capable of fitting into the tightest industrial design constraints. Concerns and costs associated with cooling are eliminated with 94 percent power transfer efficiency. Extended z-height capability allows for the transmitter to be mounted under a desktop or surface, and large spatial freedom in the x-y plane enables a seamless user experience.

Wireless charging has been a popular addition to smartphones and other small portable electronics. Portable computing devices, however, need considerably more power than available from smartphone chargers. This new NXP solution allows consumers to have a truly cord-free experience with notebooks and 2-in-1 tablets, even with their higher power consumption requirements. Consumers will benefit from the convenience and freedom offered by wireless charging. For many years, consumers have been able to connect mice, keyboards and headsets or reach the internet wirelessly, but a power supply cable was still necessary. This solution enables portable computing companies to cut the last cord for customers.

"This technology adds significant value to the end user by eliminating the traditional power transfer model, requiring a power cord and outlet, yet it is easily aligned to existing product form factors and power levels, minimizing the need for changes in the design of end-products," said Steve Tateosian, solutions marketing director at NXP Semiconductor. "From the start, we've focused on delivering a complete, yet flexible solution to enable rapid adoption by our customers in the portable computing space."

The Wireless Power Consortium (WPC) has a well-established working group dedicated to creating an efficient and safe wireless power standard for use in notebooks, 2-in-1s and other products that require 30-200W of power. NXP, a WPC board member, is committed to support the industry standard developed by this working group.

"The mass adoption of wireless power will require an industry standard supported by many companies, end product manufacturers and component suppliers," said Menno Treffers, chairman, WPC. "NXP is one of the driving forces behind the standardization of 30-200W wireless power transfer, and this announcement demonstrates how close we are to efficiently and safely powering computers without using connectors and cables."

NXP's High Power Wireless Charging Solution includes the charging pad, or transmitter, for use on a desktop or mounting below the surface, and a receiver, which is integrated into the notebook or 2-in-1 tablet. The solution is fully tested and documented, development hardware is available from NXP directly, and it comes with a complete bill of materials and software, ready for rapid market adoption.

NXP is demonstrating its High Power Wireless Charging Solutions integrated into notebooks and 2-in-1 tablets from HP at the NXP booth at the Las Vegas Convention Center in the Central Plaza, Booth #CP25, as well as the Wireless Power Consortium booth this week at the Consumer Electronics Show.

About NXP

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 44,000 employees in more than 35 countries and posted revenue of \$6.1 billion in 2015. Find out more at www.nxp.com.

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