

IPextreme Joins Forces With NXP to Bring Silicon Proven USB Technology to Market

Partnership enables licensing of silicon-proven USB cores used in NXP products

CAMPBELL, CA, USA, November 17, 2015 /EINPresswire.com/ -- [IPextreme](#), a leader in the field of semiconductor intellectual property (IP) commercialization and IP management, today announced a partnership to bring [NXP](#) Semiconductors' family of silicon-proven USB IP cores to market. USB is considered the most ubiquitous of all computer interfaces, enabling connectivity among all manner of electronic devices, including laptop computers, cell phones, printers, displays, keyboards, and mice at a variety of interface speeds.

IPextreme will use its long-established processes for converting captive IP assets into marketable industry solutions. The rollout of IP products from NXP will begin with an initial set of USB2.0 High-Speed/Full-Speed and USB2.0 Full-Speed only (also known as USB1.1) products. The initial set of products available to customers will be the following:

- USB 2.0 High-Speed/Full-Speed Device Controller
- USB 2.0 High-Speed/Full-Speed Host and Device Controller
- USB 2.0 Full-Speed only Device Controller
- USB 2.0 Full-Speed only Host and Device Controller
- USB 2.0 High-Speed/Full-Speed PHY (90nm TSMC)
- USB 2.0 Full-Speed I/O (65nm and 90nm TSMC)

All USB controllers are fully synthesizable designs and highly configurable to allow customers to adapt them easily to their precise requirements. Ports of the mixed-signal PHY and I/O cores to other foundries and nodes will be available upon customer request.

"We are excited to bring IPextreme's proven model of working with major semiconductor companies to bear on commercializing popular industry standards such as USB," says Warren Savage, President and CEO, IPextreme. "NXP has long been involved with the USB standards process and has developed a deep expertise and technology based on nearly 20 years of involvement with these standards. We are now sharing that with the world. Furthermore, the technology forms a strong basis for our roadmap to deliver USB 3.1 products towards the end of 2016."

"NXP has had a long-held and strong belief in investing in technology to produce highly differentiated products," says John Schmitz, Senior Vice President of IP and Licensing, NXP Semiconductors. "We see technology licensing as an extension of the way semiconductor companies capture the full value of our important investments. We look forward to future cooperation with IPextreme to bring those technologies to market."

More information on the partnership and USB offerings, including product data sheets, can be found at <http://www.ip-extreme.com/IP/usb.shtml>.

Availability

USB 2.0 products will be available from IPextreme beginning in the first quarter of 2016. USB 3.1 products will be available by the end of 2016.

About IPextreme, Inc.

Founded in 2004, IPextreme is a privately held company providing an array of innovative business and technical solutions focused around the licensing of semiconductor intellectual property (IP) within the global electronics market. Working with the largest semiconductor companies in the world, including Freescale, Infineon, Intel, NXP, National Semiconductor, and Texas Instruments, IPextreme unlocks the value of captive intellectual property assets and then licenses that IP to other companies. IPextreme's cloud-based [Xena™](#) software provides semiconductor and IP companies with enterprise-level management of their entire IP portfolios and operations.

IPextreme is as well known for industry leadership as for silicon-proven technology. In 2010, IPextreme created Constellations™, a collective of independent IP companies and industry partners working together at both the marketing and engineering levels to develop and promote advanced IP solutions to common customers. In 2015, IPextreme forged a partnership with Silvaco to make IP products available to customers around the world through Silvaco's sales channel.

IPextreme has over 100 customers in more than twenty countries. Offices are located in Campbell, California; Munich, Germany; and Tokyo, Japan, with representatives in Europe, China, India, Israel, Korea, and Taiwan.

To learn more, please visit www.ip-extreme.com.

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McKenzie Ross
IPextreme
408-540-0005
[email us here](#)

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