ASMedia Technologies Demonstrates the Industry's First SuperSpeed USB 10 Gbps (USB 3.1) Host Silicon- ASM1142 (PCI Express to USB 3.1) at Intel Developers Forum San Francisco

Release Date : September 11, 2014

ASMedia announced the first SuperSpeed USB 10 Gbps Host Silicon- PCIe to USB 3.1 -ASM1142 at IDF

Highlights:
1. ASMedia demonstrates the industry's first USB 3.1 host silicon-ASM1142 at IDF.
2. Demonstration shows ASMedia’s host controller-ASM1142 and device controller-ASM1352 can successfully reach over 800MB/s in a real-life application.
3. ASMedia has successfully developed both USB 3.1 host and device silicon with in-house technologies and design capabilities.

SuperSpeed USB Community at IDF San Francisco, California

San Francisco, California—ASMedia Technologies, a fabless semiconductor company that develops and markets high-speed IO solutions, demonstrated the industry’s first SuperSpeed USB 10 Gbps (USB 3.1) silicon data transfer on its hardware development platform in the SuperSpeed USB Community at Intel Developers Forum in San Francisco. This demonstration marks the first public showing of a working SuperSpeed USB 10 Gbps silicon for a host controller (ASM1142). ASM1142 is a genuine silicon solution of PCI Express to 2 port USB 3.1 controller.

"ASMedia has always aimed to be one of the key players in the USB community and the ASM1142 shows our design capabilities to the high speed IO industry. With our USB 3.1 host controller and device controller, we are supporting a new era of transfer speed and performance. Our USB 3.1 host controller ASM1142 provides an excellent opportunity for system developers who are implementing this high speed interface. Users will be able to enjoy the performance enhancement of USB 3.1 and easily reach 800MB/s performance speeds," said Chewei Lin, CEO of ASMedia Technologies.
USB 3.1 is the most recent iteration of USB technology. The USB 3.1 specification defines a data transfer rate of up to 10 Gbps on a bi-directional link, more than doubling the effective bandwidth of the already fast SuperSpeed USB (USB 3.0) standard. The USB 3.1 specification primarily extends existing USB 3.0 protocol and hub operation for speed scaling along with defining the next higher physical layer speed as 10 Gbps. The USB 3.1 specification also defines the new USB Type-C connector, a slim, reversible and bi-directional cable and connector scheme tailored to fit mobile device product designs, yet robust enough for laptops and tablets.

“USB technology has continually adapted to meet the high performance needs of consumers,” said Jeff Ravencraft, USB-IF president and COO. “The successful demonstration of USB 3.1 host silicon is an impressive accomplishment and member companies like ASMedia are enabling the industry to reach the next generation of USB technology.”

About ASMedia
ASMedia is a fabless design house founded in 2004. ASMedia provides high speed IO solutions that deliver highly-efficient connectivity, such as USB3.1, USB3.0, SATA6G and PCIe Gen3. Website information: www.asmedia.com.tw