



Synaptics Announces Groundbreaking InterTouch TouchPad™ Interface

Next-generation Interface Expands Data Bandwidth Optimizes Synaptics' Image Sensing TouchPad Portfolio

TAIPEI, Taiwan, May 31, 2011 /PRNewswire/ -- COMPUTEX -- Synaptics Inc. (NASDAQ: SYNA), the leading developer of human interface solutions for mobile computing, communications and entertainment devices, is unveiling InterTouch at Computex. InterTouch is an open high speed interface standard that expands the capabilities of Image Sensing technology inside TouchPad™ and ClickPad™ equipped notebook PCs by enabling more sophisticated multi-touch gestures and highly accurate, multi-finger touch tracking, as well as providing enhanced suppression of inadvertent touch activations. The combination of InterTouch with Image Sensor-based TouchPads or ClickPads delivers a premium end user experience on x86 Intel and AMD platforms and will support current and future versions of Microsoft Windows, as well as Google Android and ChromeOS.

"Synaptics InterTouch raises the bar on notebook PC interactivity and user experience," said Tim Bjarin, president and principal analyst at Creative Strategies. "InterTouch is a game-changing interface enabling multi-touch capabilities and performance that OEMs can implement in today's notebook PCs to enhance the end user experience. Offering a faster pipe from the TouchPad to the CPU is analogous to moving from dial-up to broadband and delivering an enhanced gesture experience on the TouchPad."

Because Synaptics' powerful InterTouch solution delivers higher performance by providing more bandwidth and retains legacy support for operating systems and applications, it is the ideal transition technology for OEMs to future proof their motherboard designs. Legacy PS/2 interfaces create data bottlenecks that limit speed and restrain interactivity in a multi-touch world. InterTouch eliminates the restrictions imposed by existing PS/2 communications path, allowing transmission of multi-touch full-time finger tracking information. InterTouch leverages the existing I2C high speed PC interface (common in industry standard notebook PCs) and increases data processing from 10 to 40 times, allowing users to take full advantage of Image Sensor-based TouchPads and ClickPads from Synaptics. InterTouch also leverages the open Register Mapped Interface (RMI) 4.0 communications protocol over standard PC interfaces. It can operate at 100kHz in standard mode, 400kHz in fast mode and provides an open support path to even higher speed on future generation motherboards. InterTouch also enables high speed TouchPad and ClickPad end-user firmware upgrades, from 15 minutes to less than a minute.

"Synaptics InterTouch will open the door to new and more immersive user experiences for notebook users," said Mark Vena, senior vice president and general manager of Synaptics' PC Division. "InterTouch is a universal, open interface that can be used with all mainstream operating systems and CPU architectures that will allow PC OEMs to differentiate their notebook PCs through enhanced multi-touch experiences. InterTouch, combined with Synaptics TouchPads and ClickPads that utilize Image Sensing technology, will usher in a new age of end user productivity with notebook users that is simply not achievable with legacy PS/2-based solutions."

With as few as two additional pins from the motherboard to the TouchPad, BIOS and/or KBC-EC firmware modifications that enable the standards-based "I2C+" protocol, InterTouch supports multi-touch full-time tracking touch operating systems and applications. InterTouch supports both current and future motherboards and offers legacy support to interoperate with PS/2 protocols for true legacy/backwards compatibility.

To accentuate its open standard orientation, InterTouch can operate with the leading motherboards, BIOS, EC/KBCs. Synaptics has prototyped InterTouch with Phoenix Technologies and other PC ecosystem partners to ensure compatibility and integration at the motherboard system level. "InterTouch is a flexible solution that allows OEMs/ODMs to provide higher bandwidth by enabling the BIOS and connections directly to the PC Southbridge or KBC," said David Everett, senior vice president of Worldwide Field Operations at Phoenix Technologies. "As a leading enabler of these key components in the PC ecosystem, Phoenix offers flexibility in the design, reduced time to market, and the best possible end-user experience, fulfilling our vision of a connected, simple-to-use lifestyle for all-day computing and fun."

Synaptics is now engaged with leading PC OEMs on notebook designs that feature both TouchPad and ClickPad solutions using InterTouch support. Synaptics anticipates that these notebook designs will be available in the general market in early 2012.

To arrange a briefing of Synaptics' InterTouch technology solutions at Computex, partners may contact joyce.liao@synaptics.com.tw and media may contact kathleen.mech@edelman.com, 650-346-1054 for more information.

To find out more about InterTouch, TouchPad Series 3, and Synaptics Gesture Suite, visit www.synaptics.com/go/InterTouch.

For the latest Synaptics news, follow [@SynaCorp](https://twitter.com/SynaCorp) on Twitter.

About Synaptics

Synaptics (NASDAQ: SYNA) is a leading developer of human interface solutions for the mobile computing, communications, and entertainment industries. The company creates interface solutions for a variety of devices including notebook PCs, PC peripherals, digital music players, and mobile phones. The TouchPad™, Synaptics' flagship product, is integrated into a majority of today's notebook computers. Consumer electronics and computing manufacturers use Synaptics' solutions to enrich the interaction between humans and intelligent devices through improved usability, functionality, and industrial design. The company is headquartered in Santa Clara, Calif. www.synaptics.com.

Forward-Looking Statements

This press release contains "forward-looking" statements about Synaptics, as that term is defined under the federal securities laws. Synaptics intends such forward-looking statements to be subject to the safe harbor created by those laws. Such forward-looking statements include, but are not limited to, Synaptics' expectations that the combination of InterTouch with Image Sensor-based TouchPads or ClickPads will deliver a premium end user experience and result in end user productivity that is not achievable with legacy PS/2-based solutions; and anticipation that notebook designs that feature both TouchPad and ClickPad solutions using InterTouch support will be available in the general market in early 2012. Synaptics cautions that these statements are qualified by important factors that could cause actual results to differ materially from those reflected by the forward-looking statements contained herein. Such factors include, but are not limited to, (a) demand for Synaptics' products, (b) market demand for OEMs' products using Synaptics' solutions, (c) changing market demand trends in the markets Synaptics serves, (d) the success of customers' products that utilize Synaptics' product solutions, (e) the development and launch cycles of customers' products, (f) market pressures on selling prices, (g) changes in product mix, (h) the market acceptance of Synaptics' product solutions compared with competitors solutions, (i) general economic conditions, including consumer confidence and demand, and (j) other risks as identified from time to time in Synaptics' reports filed with the Securities and Exchange Commission, including Quarterly Reports on Form 10-Q and the Annual Report on Form 10-K for the fiscal year ended June 30, 2010. All forward-looking statements are based on information available to Synaptics on the date hereof, and Synaptics assumes no obligation to update such statements.

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