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Synaptics Delivers Strong Security and Ultimate Usability with SecurePad™ for Notebook PCs

First solution to integrate fingerprint ID technology into the TouchPad

SAN JOSE, Calif., Dec. 10, 2014 /PRNewswire/ -- Synaptics Inc. (NASDAQ: SYNA), a leading developer of human interface solutions, today announced the availability of SecurePad™, the latest Fast Identity Online (FIDO) ready authenticator to support the use of password-free security. Leveraging Synaptics' fingerprint ID technology, SecurePad is the first solution to be integrated directly into the TouchPad, delivering high level security without sacrificing any convenience for the consumer, while also eliminating the need for OEMs to implement duplicate hardware components, simplifying the supply chain and reducing manufacturing cost and complexity.

Synaptics SecurePad enables password-free security and login to any online service that supports the FIDO Unified Authentication Framework (UAF). Instead of creating passwords, end users complete a fingerprint authentication on the laptop to register a public/private key pair, unique to the laptop, the user account, and the online service. To login, the end user performs the same fingerprint authentication, initiating a cryptographically secure challenge/response with the online service provider. As a result, the solution does away with storing password databases in the cloud, thwarting the efforts of thieves to steal and exploit consumer passwords.

FIDO enhanced online services will eliminate countless annoyances for consumers such as creating, remembering and securing unique passwords against cyber threats. Furthermore, SecurePad creates an elegant user experience by placing the fingerprint sensor within easy reach for consumers where it can be easily accessed without the need to move a finger from the TouchPad.

"Digital security has never been more important to consumers as it is today and while users understand the necessity for protecting their digital information, username and passwords are no longer a reliable method of security against today's cyber threats," said Patrick Moorhead, founder, president and principle analyst for Moor Insight and Strategy. "The growing adoption of fingerprint ID technology gives OEMs the opportunity to implement modern security solutions that give consumers a convenient and easy-to-use method for protecting their data."

SecurePad Key Features:

- **Integrated Small Area Touch Sensing Technology:** A 4mm by 10mm area sensor on the surface of the TouchPad activates with the touch of a finger, delivering a simple and intuitive usage model.
- **Advanced Matching Engine:** Next generation matching technology achieves excellent security performance with high usability.
- **Supports 360 Degree Approach:** Fingerprint detection works with the fingertip placed at any angle on the sensor area for ease of use.
- **Various Pad and Fingerprint Sensor Form Factors:** SecurePad is available in all typical Synaptics TouchPad, ClickPad and ForcePad sizes.
- **Encrypted Sensor/Host Communication:** Encrypted communication between the fingerprint sensor and host processor ensures security of fingerprint data.
- **Optional LEDs for Visual Feedback:** Full RGB support with multiple LED light guide options provides visual feedback and allows for operation in dark environments.

"At Synaptics, we believe that in our future, secure access to devices and services should be truly effortless," said Godfrey Cheng, VP of marketing, Human Interface Systems Division of Synaptics. "The introduction of SecurePad demonstrates our continued innovation and brings us one step closer to our ultimate vision of a TouchPad that offers passive and persistent authentication for consumers."

Availability

SecurePad is available now for OEM integration.

For up-to-the-minute Synaptics news, follow @SynaCorp on Twitter. For more information on Synaptics' products and solutions please visit www.synaptics.com.

About Synaptics

A leading developer of human interface solutions which enhance the user experience, Synaptics provides the broadest solutions portfolio in the industry. The portfolio includes Display Driver ICs (DDICs) which drive high-performance displays for smartphones and tablets. The ClearPad® family supports touchscreen solutions for devices ranging from entry-level mobile phones to flagship premium smartphones, tablets and notebook PCs. The TouchPad™ family, including ClickPad® and ForcePad®, is integrated into the majority of today's notebook PCs. Natural ID™ fingerprint sensor technology enables authentication, mobile payments, and touch-based navigation for smartphones, tablets, and notebook computers. Synaptics' wide portfolio also includes ThinTouch® supporting thin and light keyboard solutions, as well as key technologies for next generation touch-enabled video and display applications. (NASDAQ: SYNA) www.synaptics.com.

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