



Synaptics, AMD Collaborate on Enterprise-Grade Biometric PC Security for Next-Generation Microsoft Operating System

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Hardened Encryption, Unmatched Security for Business and Consumer PCs on AMD Platforms

SAN JOSE, Calif., July 11, 2018 (GLOBE NEWSWIRE) -- Synaptics Incorporated (NASDAQ: [SYNA](#)), the leading developer of human interface solutions, together with [AMD](#), today announced a joint initiative centered on delivering a new industry benchmark in highly-secure biometric fingerprint authentication for enterprise/commercial and consumer notebook PCs based on next-generation AMD Ryzen™ Mobile platform and Microsoft's next-generation operating system. The collaboration brings a new level of security for AMD-based laptops by leveraging Synaptics' unique [ES7600 Match-in-Sensor™](#) fingerprint sensor technology with powerful AMD Ryzen Mobile processors, and Microsoft's forthcoming biometric security OS including Windows Hello.

Synaptics' Match-in-Sensor™ technology is the industry's first fully hardware encapsulated fingerprint sensor and matching solution. Hardened authentication is literally "off the grid", isolating fingerprint image enrollment, pattern storage and biometric matching within the fingerprint sensor to provide best-in-class protection against on-device threats. Match-in-Sensor fingerprint authentication is a System-on-Chip (SoC) architecture in which a single device performs both input/output functions with an in-sensor microprocessor executing firmware. By performing security sensitive functions completely inside the SoC, Match-in-Sensor adds a new level of security due to total isolation from the host operating system.

Saeid Moshkelani, corporate vice president & general manager, Client Compute Business Unit, AMD: "At AMD, security is a top priority. As part of our ongoing commitment, hardened biometric security is a critical requirement for our next-generation Ryzen Mobile platforms. We are excited to be working with Synaptics and Microsoft in a collaborative effort to develop and deliver one of the most secure Ryzen Mobile platform to date."

Godfrey Cheng, corporate vice president, PC Division and Corporate Marketing, Synaptics: "With the growing adoption of fingerprint sensors on notebook PCs across both business and consumer platforms, there has never been a more critical time to broadly implement very strong biometric authentication to protect enterprises and enable secure consumer mobile payments against deviant black hat hackers. Synaptics' FS7600 Match-in-Sensor SoC is the industry's most secure fingerprint solution to protect against these threats."

Synaptics' fingerprint sensors are available with the SentryPoint™ security suite of powerful tools to protect user identity. This includes Quantum Matcher™ for adaptive fingerprint template matching and authentication; SecureLink™ which combines support for TLS protocol with ECC authentication and AES encryption; and PurePrint™ anti-spoof technology to help distinguish between fake or spoofed fingerprints and real fingers. PurePrint™ drivers are regularly updated to combat new spoofing techniques and materials.

About Synaptics:

Synaptics is the pioneer and leader of the human interface revolution, bringing innovative and intuitive user experiences to intelligent devices. Synaptics' broad portfolio of touch, display, biometrics, voice, audio, and multimedia products is built on the company's rich R&D, extensive IP and dependable supply chain capabilities. With solutions designed for mobile, PC, smart home, and automotive industries, Synaptics combines ease of use, functionality and aesthetics to enable products that help make our digital lives more productive, secure and enjoyable. (NASDAQ: [SYNA](#)) www.synaptics.com.

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