



January 3, 2017

Synaptics Announces Multi-Factor Biometric Fusion Engine for Mobile Devices

Combines Fingerprint Authentication, Facial Recognition for Enhanced Security, Improved Usability

SAN JOSE, Calif., Jan. 03, 2017 (GLOBE NEWSWIRE) -- Synaptics Incorporated (NASDAQ:[SYNA](#)), the leading developer of human interface solutions, today announced a new multi-factor biometric fusion engine for more convenient security on smartphones, tablets and notebook PCs. The powerful platform is fully integrated into Synaptics® Natural ID™ fingerprint sensors and leverages both fingerprint and facial biometrics. The multi-factor fusion engine allows users to choose a modality based on preference, or one that is most convenient to environmental conditions such as when wearing gloves. Improved security is achieved by requiring multiple-modes of authentication for financial transactions or other sensitive applications.

The Synaptics multi-factor fusion engine combines authentication scores from multiple biometrics to determine verification. This increases overall system security as both fingerprint and facial factors have to meet minimum threshold requirements before authentication. In addition, the fusion engine improves usability as lower individual verification thresholds still result in greater security.

Synaptics multi-factor fusion engine is backed by SentryPoint™ technology, offering OEMs a wide-range of unique and highly secure authentication features including Quantum Matcher™ with PurePrint™ anti-spoof technology. PurePrint examines fingerprint images using unique artificial intelligence technology to distinguish between fake and actual fingers. Facial recognition also uses anti-spoofing tools including the ability to check for combinations of eye blinking and head movements.

"Synaptics' Natural ID fingerprint sensors are already significantly more secure and convenient than typed passwords, and by adding multi-factor biometrics users achieve a whole new level of exceptional device- and application-level authentication," said Anthony Gioeli, vice president of marketing, Biometrics Product Division, Synaptics. "Phase one of our fusion engine is focused on fingerprint and facial, and future iterations will include additional biometric and security factors."

Synaptics partnered with KeyLemon, a leader in continuous camera-based facial recognition and authentication, to seamlessly integrate secure facial biometrics with [Natural ID](#) fingerprint authentication. The collaboration with KeyLemon enables Synaptics with a time-to-market advantage by leveraging an innovative and established biometrics partner.

"We are very excited to partner with industry leader Synaptics on a comprehensive solution that is secure and convenient," said Gilles Florey, CEO, KeyLemon. "Integrating our advanced technologies enables an unsurpassed mixture of security and user convenience for trusted authentication in mobile payments, banking and other content sensitive transactions."

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, and biometrics products is built on the company's rich R&D, extensive IP and dependable supply chain capabilities. With solutions designed for mobile, PC 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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