

SecurePad

Product Brief



Overview

The Synaptics SecurePad™ integrated fingerprint technology offers convenience without compromising security. SecurePad technology can be integrated in Synaptics ClickPad™, ForcePad®, or TouchPad™ devices, providing a fluid user experience for electronic devices.

By replacing cumbersome, complex passwords with the touch of a finger, SecurePad sensors deliver an intuitive way to authenticate a user's identity to unlock devices and quickly login to applications.

Applications

SecurePad sensors enable OEMs to deliver the most compelling, differentiated, high-performance mobile devices to market at the most competitive costs.

Additionally, SecurePad technology is convenient, secure, and provides additional fingerprint synergies, such as secure login for one-touch shopping, e-signatures, banking, and file access.

SecurePad sensors are also a single system interface with a customizable design. SecurePad single system interface includes:

- Simpler integration compared to a separate fingerprint sensor
- Consolidated bus usage
- Single composite driver
- Simpler system architecture compared to a fingerprint sensor in the palmrest

The customizable design can be a single- or dual-system interface, supports all typical TouchPad dimensions, and offers numerous indicator options: bezels, light guides, and surface protrusions.

Features and Benefits

High-Performance Sensor

Synaptics' proprietary image processing and matching algorithms ensure industry-leading False Acceptance Rates (FAR) and False Rejection Rates (FRR) performance. SecurePad sensors are also optimized for minimal power consumption to maximize battery life.

Clean Industrial Design

Integrating SecurePad technology simplifies the interface with a smooth and continuous design. Authentication is done directly on the TouchPad, eliminating the Fingerprint Sensor (FPS) from the palm rest.

Low Cost

SecurePad sensors are low cost because they require no palm rest FPS cutout; fewer cables, connectors, and resistors; and no FPS module design.

Integration Options

The versatile SecurePad sensor can be incorporated in 2 in 1s or laptops. This brings a uniform experience across all devices.

Usability and Ergonomics

Users can approach the sensor surface from any angle and use their left or right hand – making it easy to use from any position.

Online-Transaction Ready

SecurePad sensors are compliant with Fast Identity Online Alliance (FIDO®), the industry-standard for online transactions. FIDO-compliant websites and applications interact seamlessly with the fingerprint sensor to replace passwords.

Proven Technology

With over a decade of experience in designing and testing solutions, Synaptics has an unprecedented track record of getting devices to market. Synaptics' trusted touch sensing technology is used in over one billion devices.