

## TouchPad

### Product Brief



### Overview

Years of perfecting the user experience has resulted in the Synaptics TouchPad™, which boasts excellent pointing ballistics, natural response and feel, and TypeGuard™ – palm rejection algorithms that virtually eliminate accidental selection for your hand resting on your notebook PC.

- True multi-touch capability with support for full-time five finger tracking.
- Best Pointing Accuracy: Better perceived speed, response, accuracy, object selection, and dragging performance.
- Industry-leading Gesture Recognition: Able to distinguish individual fingers in close proximity.
- Industry-leading TouchPad User Experience: Better perceived accuracy, selection, dragging, and overall performance. It eliminates the jumpy cursor and axis snap, which is essential for optimal TouchPad performance.

### Applications

The Synaptics TouchPad portfolio makes true multi-touch capacitive sensing possible across PC OEMs entire product portfolio, including the full range of commercial and consumer notebook solutions. Synaptics enables PC OEMs to deliver a tested and proven user experience that is optimized across numerous operating systems and TouchPad sizes.

Synaptics delivers a broad range of services that go far beyond standard chip offerings. All TouchPad products incorporate Synaptics' deep system engineering and human factors expertise, and enable device manufacturers to deliver a consistent, high quality user experience across a wide range of products.

### Features and Benefits

#### Gold Standard for Pointing

Synaptics TouchPads deliver the industry's fastest average movement time, lowest error rates, and highest user satisfaction ratings.

#### PC Industry Leading Gesture Recognition

Synaptics image sensor delivers 94% average gesture recognition when used in conjunction with the Synaptics Gesture Suite™.

#### Advanced Operating System Support

Synaptics supports the industry's widest range of operating systems including Microsoft® Windows®. Synaptics also supports Android™, Linux®, and Chrome OS™.

#### Precision TouchPad Support

As a co-engineering partner of Microsoft, Synaptics supports Windows Precision TouchPad requirements.

#### Broadest Range TouchPad Interface Support

Synaptics has a broad range of capabilities supporting InterTouch™, HID-I2C, PS/2, USB, as well as wireless interfaces.

#### Low Power, Less Energy

Advanced touch controller silicon and optimized power management help maximize battery life.

#### TypeGuard

Synaptics' patented TypeGuard technology allows the system to differentiate between a finger and a palm, virtually eliminating accidental cursor movements, scrolling, and clicks resulting in a superior experience.

#### 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 capacitive touch sensing technology is used in over one billion devices.