# Synaptics®

## ClickPad
### Product Brief



## Overview

The Synaptics ClickPad™, the next generation of the capacitive TouchPad™ portfolio, is an image-sensing, multi-finger ClickPad that maximizes the gesture area and is ideal for a fast and fluid Microsoft® Windows® or Precision TouchPad experience.

This new ClickPad offers:

- Thin z-height
- Cost-efficient design with consistent performance
- Reinforced spring-hinge click mechanism
- Integrated tactile dome button activation

## Applications

The Synaptics ClickPad is a thin, image-sensing, hinge-style, touch solution design. Synaptics has designed a reinforced hinge-spring mechanism that delivers consistent performance through rigid construction, more responsive switch activation and reliable corner performance.

Because the ClickPad does not require additional buttons, it is designed for larger surface areas that are compatible with Microsoft's® Modern TouchPad size recommendations. ClickPad offers a cost-efficient design with consistent performance.

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.

Options include:

- Glass or polyester film (like Mylar®) facesheet options
- Size options: 2.9" to 6.0" diagonal
- PS/2, InterTouch™, I²C, and USB interfaces available

## Features and Benefits

### Corner Performance
The Synaptics-designed spring-hinge mechanism delivers consistent, responsive click performance — even in the corners — by reducing the amount of flexure in the overall design.

### Large Surface Area
By integrating the buttons into the ClickPad, users gain even more surface area (up to 6.0" diagonally) for cursor navigation and gesture implementation, taking full advantage of the industry's best performing and most comprehensive multi-touch gesture suite.

### Image Sensing Technology
The image-sensing ASIC detects up to five fingers over the surface of the ClickPad, and provides superior multi-touch gesture capabilities.

### Versatile Gesture Capabilities
All Synaptics TouchPads can interface with Microsoft's Precision TouchPad driver or can be powered by the industry leading Synaptics Gesture Suite™ (SGS™). SGS unleashes the power of the TouchPad by providing two-, three-, and four-finger gestures that help navigate web pages and documents, zoom and rotate images, and manipulate windows. With this comprehensive suite of gestures, users can be more efficient and productive.

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

### Proven Technology
With over a decade of experience in designing and testing touch 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. Synaptics is redefining the human-machine interface for every PC user who wants the ultimate in touch.