



# DuoSense™ SDK for Multi-Touch Gestures



The Multi-Touch Gestures software development kit (SDK) is a free download that enables Independent Software Vendors (ISVs) to create intuitive alternatives to scrolling, panning, rotating, enlarging and reducing objects in their current or future applications. They enable feature-rich functions that simply cannot be achieved as quickly or accurately using traditional point, mouse and keyboard peripherals. The Multi-Touch Gestures SDK provides a competitive advantage to programmers seeking to develop killer apps with the ultimate Hands-on™ experience.

# Introducing Multi-Touch Gestures: Hands-on™ computing at its best

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Multi-Touch Gestures are a series of “hands-on-screen” activated functions that compliment N-trig’s breakthrough DuoSense™ digitizer – the only human interface device designed to support digital user input from both pen and capacitive touch in a single, self-contained unit. N-trig’s initial multi-touch gestures include a set of four naturally intuitive input capabilities that are easily integrated into existing and future applications using the easily accessible SDK.

### Zoom in / Zoom out



A simple thumb and forefinger “pinch” movement that enables a user to enlarge objects onscreen (moving fingers away from each other) or make them smaller (move them towards each other). This intuitive zooming function replaces the standard point-and-click functionality of a mouse and provides far greater accuracy to the user. Moreover, it empowers software developers with the ability to implement object and text enlargement/reduction in virtually any standard software application.

### Panning



Scroll up and down through a document or move from page to page by panning across the screen. This unique, multi-directional scrolling function is accomplished by moving two adjacent fingers up and down or left and right, for easy and accurate access of the data and objects you are looking for.

### Double Tap



This is a flexible new function that can be easily set up to suit a user’s needs. By simply tapping the computer screen twice in quick succession with two adjacent fingers, a user can perform any of several pre-determined functions, including putting a screen into instant sleep mode or launching a preferred software program.

## Access the Multi-Touch Gestures advantage with this intuitive SDK:

- Allows ISVs and other software developers to flexibly integrate multi-touch functionality into their application designs
- Provides OEMs with straightforward, out-of-the-box integration capabilities into their current notebook manufacturing designs and processes
- Enabled through a firmware upgrade to existing DuoSense digitizer without any need for hardware changes
- Supports current and future Window platforms

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Hands-on™ computing

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