

Synaptics' Leading ClearPad Product Offers DualTouch Interaction and Gesture Support



Synaptics ClearPad™ sensors are high-resolution capacitive touchscreen solutions for electronic devices such as mobile phones, smart remote controls, personal media players, and digital cameras. The **ClearPad 2000 Series** provides DualTouch interaction, supporting single-finger input and two-finger gestures including Pinch and Pivot Rotate. The ClearPad 2000 Series is the ideal and proven solution for today's user interfaces.

A ClearPad touch sensor is typically placed over a device's display, such as an LCD. Users activate the underlying graphical user interface buttons and controls by touch. A ClearPad is an easy-to-use, discoverable interface for screen navigation, selection, and interactive input. If the display is the interface, a Synaptics ClearPad is the answer.

Options

- Gesture detection can be processed on the sensor or it can be implemented by the host.
- Sensitivity can be tuned for operation under a product's casing or plastic facesheet of up to 1.2 mm thick.
- The size and shape of the ClearPad sensor and electronics module can be customized to meet specific device requirements.

The ClearPad Series Offering

The Synaptics ClearPad portfolio makes capacitive touchscreen sensing possible for a device manufacturers' complete line of products from high- to low-end. ClearPad products include the 1000 Series for SingleTouch interaction, the 2000 Series for DualTouch interaction, and the 3000 Series for MultiTouch interfaces that can report up to ten fingers.

Synaptics delivers a broad range of services with deep knowledge in many engineering disciplines that go far beyond standard chip offerings. Synaptics delivers reliable, intuitive, human interface solutions quickly and effectively. With over a decade of experience in ClearPad technology, Synaptics is a solution that you can trust.

» Easy Gesture Integration

Synaptics is the only total solution provider to offer gestures in firmware for easy customer integration. Leveraging Synaptics Enhanced Gesture Recognition™ (EGR™), ClearPad 2000 Series supports gestures such as tap, double-tap, tap-and-hold, press, flick, pinch, and pivot rotate.

» Responsive Touch

ClearPad products are designed for a more responsive touch experience—users recognize the difference and Synaptics delivers.

» Accurate

ClearPad solutions deliver a resolution of greater than 500 dpi and never require calibration.

» Durable

ClearPad sensors are resistant to dirt and moisture because they are mounted beneath a device's casing or a plastic facesheet. ClearPad sensors outlast legacy touchscreen technologies because there are no moving parts to wear out.

» Low Power, Less Energy

Doze, sleep, and deep sleep modes help maximize battery life. ClearPad sensors can be ready for use as soon as 100 milliseconds from device power-on.

» Proven Technology

With over a decade of experience in designing and testing ClearPad solutions, Synaptics has an unprecedented track record of getting devices to market. Synaptics capacitive touch sensing technology is used in over 650 million devices.



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