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Synaptics is proud to be chosen for *Embedded Computing Design's* Editor's Choice Awards. Our contribution to human interface technology brings dynamic touch interfaces to a growing number of consumer electronics products, from phones, portable music players, and GPS devices to notebook PCs, mice, and monitors. These products require innovation and differentiation through industrial design and the use of dynamic gesture motions to create the most user-friendly interfaces.

We are already seeing multiple multimedia applications converging in mobile devices, pushing the requirements of simple and easy-to-use human interface solutions. Capacitive touch screens are gaining share in the mobile market as both customers and end users realize the improved usage and need for Synaptics' ClearTouch portfolio, which cannot be replicated with resistive touch-screen panels.

– Synaptics

## Button pushing gives way to touch sensing

Touch interfaces are becoming more popular on many embedded devices as they eliminate the need for confusing buttons and complex manuals. Technology that improves the human experience is always welcome.

Synaptics' ClearTouch product portfolio includes ClearPad and ClearArray sensors available for consumer electronics requiring transparent, touch-sensitive user interfaces. These sensors are designed for durability, low power consumption, and easy integration and can operate under glass or plastic, resulting in robust devices with slim form factors and sleek industrial designs.

ClearPad provides an intuitive, high-resolution touch-screen interface for today's mobile devices, including cell phones, portable music players, and handheld GPS devices. The sensor can detect gestures such as single-finger tap, double tap, tap and hold/tap and slide, press, flick, and two-finger pinch.

ClearArray supports scrolling in fixed locations over a display and can be used in monitors and kiosk-style devices as alternatives to mechanical buttons. These transparent sensors enable manufacturers to differentiate their products according to their target price points, industrial design requirements, and desired end-user experiences.

**Model: ClearTouch**

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