

TrueTouch Solution Drives Touchscreen In Acer ICONIA TAB A100 Tablet Computer

Cypress Semiconductor today announced that its TrueTouch solution for large multitouch touchscreens drives the unique touchscreen displays in the Acer ICONIA TAB A100, the industry's first 7-inch tablet based on the Android 3.2 Honeycomb platform.

The tablet's sleek, portable design features a vibrant 7-inch multi-touch display with a 1024 x 600 resolution enhanced by high-color contrast and a 70-degree viewing angle. It weighs 0.92 pounds and measures 0.5 inches thick. The multifunctional A100 can be used for games, surfing the Internet, and productivity applications such as calendar and email. In addition, the integrated Bluetooth allows consumers to connect devices such as headsets and keyboards. Adobe Flash Player 10.3 is preinstalled on the tablet and can be used right out of the box. Customers can connect the A100 to a TV via the HDMI port, or enjoy their own digital content by transferring files through the tablet's micro-USB port or by using the Micro-SD card reader.

The latest touchscreen controller from Cypress offers 60 sensing I/O channels with support for up to 884 nodes on the screen, more than any other single-chip solution. Additional sensing channels are essential for greater accuracy, linearity, support for smaller-sized fingers and the ability to resolve multiple fingers close together. The flexible TrueTouch solution enables customers to rapidly develop leading-edge solutions by supporting development from panel design through manufacturing testing. They have a choice of using touch sensors (glass or film) and LCDs from preferred partners, and can develop innovative mechanical designs to enable thin touchscreen stackups. In addition, TrueTouch devices offer Cypress's legendary noise immunity with patented capacitive sensing technology that enables flawless operation in noisy RF and LCD environments.

Cypress's broad portfolio of TrueTouch solutions are flexible, robust, high performance and easy to use. TrueTouch multitouch all-point controllers provide best-in-class scan times for true multifinger touch and very high signal-to-noise ratio of more than 80:1 RMS. They also offer low power consumption (less than 1.3 mA low-power state current), best-in-class water rejection and wet-finger tracking, and more. Additional information about the TrueTouch solution is available at www.cypress.com/go/TrueTouch.

"The Acer tablets offer outstanding functionality and performance," said Derek Richardson, Senior Director of Cypress's Large Touchscreen Business Unit. "The touchscreen interface is a critical part of what sets this tablet apart, and we're pleased to provide a best-in-class solution to Acer."

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Published on Electronic Component News (<http://www.ecnmag.com>)

Source URL (retrieved on 09/16/2014 - 10:19pm):

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