

## Microchip announces analogue Resistive Touch-Screen Controllers for embedded markets

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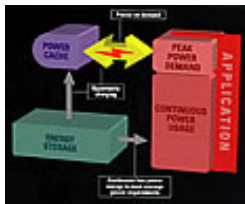
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Product Newsletter



### Key Facts:

- **Highly integrated controllers simplify resistive touch-screen control design**
- **Provides fully processed, reliable touch coordinates without the use of external ADC**
- **Extends mTouch™ solutions to include resistive, capacitive and inductive sensing**

Microchip has announced the mTouch™ AR1000 Resistive Touch-Screen Controllers – the embedded industry’s most innovative analogue resistive touch-screen controllers, adding to Microchip’s comprehensive portfolio of mTouch™ capacitive and inductive touch-sensing solutions. The AR1000 controllers further solidify Microchip’s position of having the broadest touch-controller product offering in the semiconductor industry. By providing built-in decoding and advanced filtering, as well as controller-driven calibration, the AR1000 controllers lower costs and reduce time to market for any embedded resistive-touch design.

Prior to the AR1000 controller, embedded systems implementing resistive-touch user interfaces were limited to basic ADCs that required extensive development and integration. The AR1000 controllers eliminate this type of trial-and-error engineering by providing sophisticated, proprietary touch-screen decoding algorithms that enable applications to receive fully processed, reliable touch coordinates. Combining Microchip’s capabilities in microcontroller manufacturing with the recently acquired Hampshire Company’s 15+ years of experience designing resistive touch-screen controllers, the AR1000 controllers enable low-risk product development, lower total system cost and shorter time to market for embedded resistive-touch designs. Popular due to its low cost, acceptance of finger, glove or stylus-pen inputs, and overall ease of manufacturing and integration, resistive touch-sensing technology is suitable for applications such as mobile phones, industrial automation, retail point-of-sale, gaming/entertainment, and automobile navigation systems.

The AR1000 controllers provide universal 4-, 5- and 8-wire support, as well as support for SPI, I2CTM and UART communication interfaces and are available in 20-pin QFN, SOIC and SSOP packages.

Microchip also announced the mTouch™ AR1000 Development Kit (part # DV102011), which provides everything designers need to get started using AR1000 controllers. The kit includes the AR1000 development board, a 7" four-wire resistive overlay, a PICKit™ Serial Analyzer and all necessary interface cables, as well as a CD containing technical documentation, GUI and all necessary software.

For more information, or details on the full range of Microchip products available from Anglia, please call +44 (0)1945 474747 or email [info@anglia.com](mailto:info@anglia.com)

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