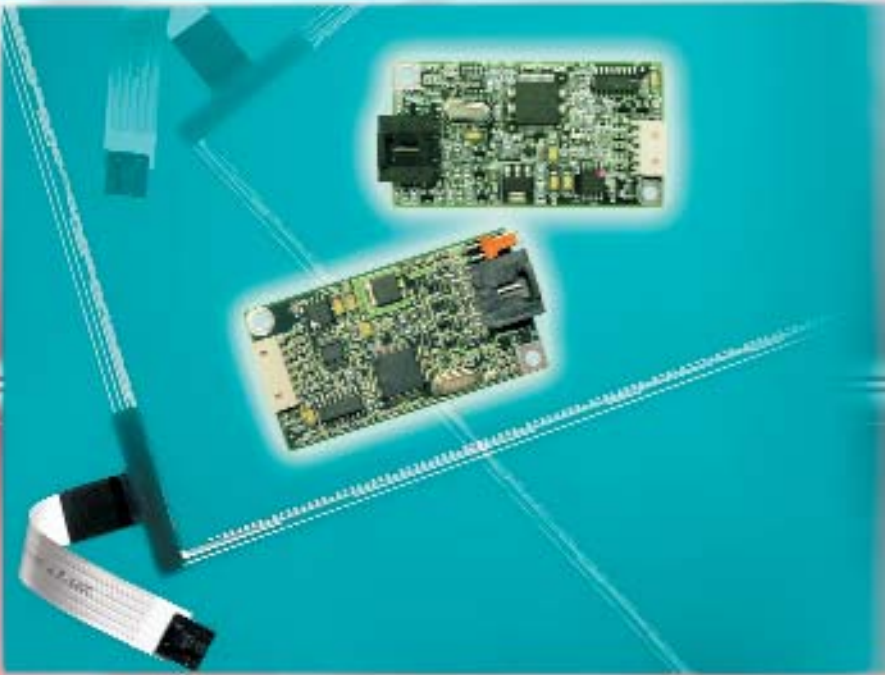


FAST  
ROBUST  
FLEXIBLE  
FEATURE-RICH



## Product Highlights

- Firmware download capability provides flexibility
- Supports both MicroTouch™ 5-wire Resistive and ClearTek™ capacitive touch screens
- High touch coordinate resolution of 16k x 16k\*
- Current-driven advantage for resistive touch screens
- RS232 Serial and USB compliant interfaces

## A Sophisticated Electronics Solution

The MicroTouch™ EX II Series Controllers bring flexibility and feature-rich functionality to capacitive and resistive touch screen applications. This high performance electronics platform is based on the innovative MicroTouch™ EX II ASIC, designed to provide higher resolution touch coordinates, on-chip RAM, and a wider operating temperature range. With expanded regulatory approvals, improved power modes, and enhanced ESD and EMI protection, this controller series is a robust solution for popular touch applications.

## Making the Difference—Advanced Capabilities

The EX II series showcases a number of innovative new features. Standard firmware loaded at the factory can be easily replaced in the future with downloadable, newer revisions containing additional functionality. This field upgrade capability means access to the latest 3M Touch Systems firmware features with minimal downtime for upgrades.

The EX II series supports both ClearTek™ capacitive and 5-wire resistive touch screens, using the same board size and mounting hole locations. System manufacturers that start with one touch screen technology can move to the other using the same electronic hardware footprint and feature-rich software drivers, simplifying the transition and shortening development cycles. Considered the premium controller for resistive systems, the EX II enables 5-wire resistive touch screens to work in “current-driven” mode, where the X and Y coordinates are calculated with a single measurement, shortening touch response time to 8 ms (typical).

\* The maximum number of addressable coordinates generated by the controller



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