

TECHNICAL BRIEF

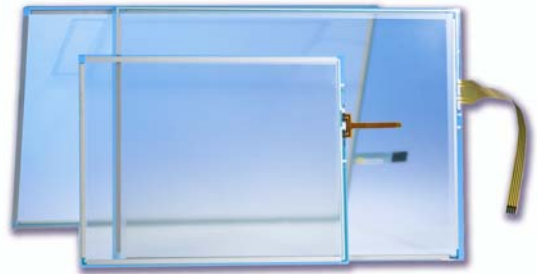
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Touch Panel Solutions

In an effort to provide a one stop shop for all touch panel display needs, AZ Displays is offering standard and unique Touch Panel Solutions for indoor and outdoor applications..

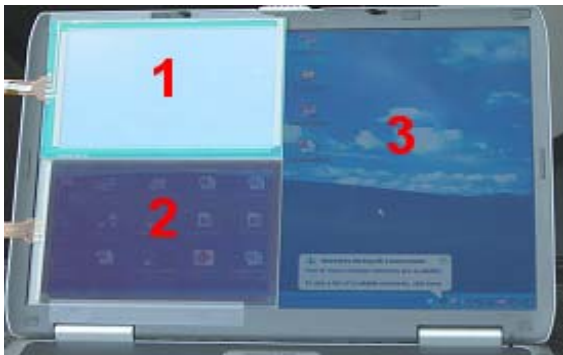
Resistive Touch Panels

Resistive touch panels respond to the touch of a finger, a glove, or a pen-type stylus. The resistive types offer greater advantages over Capacitive touch panels since Capacitive types operate based on heat and by finger only. Resistive touch panel technology mainly consists of 2 layers in the glass, a resistive and conductive layers separated apart by spacers. Wherever the panel is touched, these two layers make contact at a certain point and the coordinate information is relayed to the touch panel controller.



Sunlight Readable Touch Panels

AZ Displays is currently in its development process for introducing touch panels used in the sunlight environments. As illustrated below these sunlight readable touch panels are offered in the following versions. In outdoor environments when compared to a standard touch panel (1), the standard sunlight readable version (2) carries a 40% transmission rate. When added with a brightness enhancement polarizer (3), the transmission rate is increased up to 80%. During indoor use, these sunlight readable touch panels (5) only reduces 20% of the original transmission rate from a standard touch panel (4). Based on this comparison, best readability in direct sunlight is achieved with a touch screen that has an extra polarizer.



Outdoor View



Indoor View