

PenMount Controller Supports Various Type of Resistive Touch Screen

PenMount is historically Taiwan's oldest brand of Resistive Touch Screen Controller. With an accumulated 17 years of products experience, we are able to closely follow and meet market demands on technology and functionality. We would like to extend our appreciation to many of our customers over the years for their valued recognition and appreciation of PenMount controllers; therefore, contributing to our successfully entering the various different application fields, such as factory automation equipment, Human Machine Interface, Medical Equipment, Kiosk, Tablet PC & UMPC, and many more.

The software, hardware, and firmware of PenMount touch controller series are designed to meet all types of resistive touch screen with impedance ranging from 30 to 1300 ohm, thus, PenMount touch controller series can work with 4-, 5-, and 8- wire resistive touch screens in the market of different brands, such as ELO in U.S.A., Gunze, DMC in Japan, AMT in Taiwan, Korea's, China's, and others.

How can we measure the impedance of resistive touch screen? In 4- and 8- wire resistive touch screens, we will need to identify each pin assignment of the tail in advance from the specifications provided us; the touch screen impedance can be derived from the DVM which is used to measure X+ with X- and Y+ with Y- . For 5-wire resistive touch screen, we will also need to make sure of the pin assignment mapping in advance. To get X axis impedance, we will need to parallel connect the upper right with lower right and upper left with lower left first. After finishing the parallel connection, measure the two common points to derive the X axis impedance. Of course, we can also get Y axis impedance from the points by parallel connection of the Upper right with Upper left and Lower right with Lower left.

Advanced resistive touch technologies are being developed rapidly in the market today due to its popularity of use and to meet all kinds of work environment. Aside from the traditional 4-,5- & 8-wire Film on Glass touch screen, there are many other types of resistive touch screen product in the market, such as the polarizer touch screen (also known as Low Reflective), the Glass-Film-Glass which has a thin glass laminated on the top of the traditional Film-Glass resistive touch screen; there is also the EMI-shielding touch screen; the Frameless Touch Screen (also called Touch Window) and many more. The PenMount touch controller series of products is your best solution for the Resistive Touch Screen.

In the year 2009, PenMount announced a new solution to support the Multi-Finger resistive touch screen, with its controller chip solution called M1, and PM 6250 for its control board. The size of the multi-finger touch panel can range from 3" to 22" ; the controller supports from 1 up to 12 touch zones for multiple finger operation. PenMount has devoted itself to provide Multi-finger touch solution; the M1 series support Microsoft Windows XP and Vista to make the most of the available application programs and extend its ability and option with multiple touches; hence it is not necessary to make multi-touch programs that work only on Microsoft Windows 7. PenMount Multi-Finger touch solution provides an easy way for the user to use its driver and value-added utilities. PenMount also provides SDK (software development kit) to customer working with Microsoft Windows operating systems, allowing developers to build and design their own program. For further information of this solution, please contact us directly.

PenMount series of touch software and hardware are designed to meet market demands. If customized specifications are needed, we are always ready and available to help customer to complete their project. For more PenMount controllers and drivers information, please visit our websites, www.amtouch.com.tw or www.penmount.com. If you have any suggestions or comments please feel free to email us at penmount_service@amtouch.com.tw or amt1@amtouch.com.tw.

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