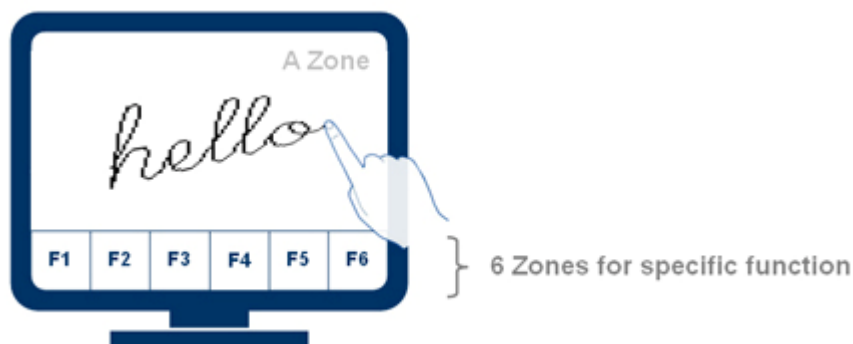


## Analog and Matrix Combined Design

AMT, with standard resistive touch panel products noted for excellent quality, is providing the customers with more choices by continuously innovated products diligently developed by the R/D team. Considering the growing needs on the market for the features about: 1. Multi-touch, 2. Touch Window design, 3. Analog/matrix combination design, AMT has announced both Touch Window and Multi Finger Touch technology as introduced in our previous News Express editions. Whether it deals with a Touch Window product or a Multi-Finger resistive one, AMT can build both analog and matrix combination designs. In this issue, we will introduce to you the design ideas hereunder for reference.

AMT made the multi-touch available on the touch panel by dividing the touch surface of a touch panel into 1~12 zones while enabling the definition of their different features from each other at the same time. These areas can function either independently as 12 separate touch panels or jointly as one because simultaneous tapping and drawings can be detected and working in different areas. Please see figure 1 below. The surface of the display is divided into 7 zones. The A zone and bottom six zones are all analog touches which can allow software system engineer to create different combination of touch function, it can be activated as simple ON/OFF or be activated simultaneously with 2 or 3 or upto 7 touches for different defined function. Such technology is credited to software that sets to assign A for a full area for the touch control that supports various operating options and also to assign the other areas below for specific function.

◆ Figure 1



Another variation that deserves to be mentioned here is having area A, an analog resistive input interface, adjacent to areas F1 to F7, the specific function as ON/OFF touch-buttons, on two sides. Then such structure will be furthermore reinforced with a Touch Window design in which the Décor film of customer's own ID design can be laminated onto the touch surface. See figure 2 below, which shows Analogue area connected with function areas F1 to F7 on the right side and the bottom. Technically speaking, the complete LCD area is actively serving for analog touch control while the other areas adjacent for pure ON/OFF function reflect the implementation of a matrix design.

◆ Figure 2



Selecting appropriate touch panels and software applications not only enhances the exposure of your products but will also increase their market competitiveness. AMT's R/D team is so experienced in design that the best products and suggestions are made available for the realization of your blueprints. Should you have any design requirement, contact anytime our distributors/dealers or sales persons.

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**Advance to the future with AMT's touch solutions.**

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