

Projective Capacitive Touch Panel

Projective capacitive is also called matrix capacitive or digital capacitive. The well-known APPLE multi-touch uses the application of such technology. Matrix capacitive can be viewed as a panel with hundreds or thousands of independent, transparent sensor switches to detect ON/OFF signal transmission. When the finger touches the touch panel, it turns on some of the switches, and the touch IC will use these switches to determine touch gestures. This technique requires transparent lead wire design, usually processed by lithography, sputtering, etc., results in more sophisticated wiring, which is best-suited for small size application. The key to this technology lies with the touch IC in use; however, each IC supplier has different advantages in multi-touch interpretation, displacement interpretation, handwriting interpretation, etc. Currently there is no mainstream specification.

