

SMK Develops a Capacitive Touch Panel “CapDuo Touch”, Whose One-Glass Structure Contributes to Thinness and Lightness of Products



SMK Corporation has developed a capacitive touch panel “CapDuo Touch” consisting of a single sheet of glass whose front and back faces are coated with indium tin oxide (ITO).

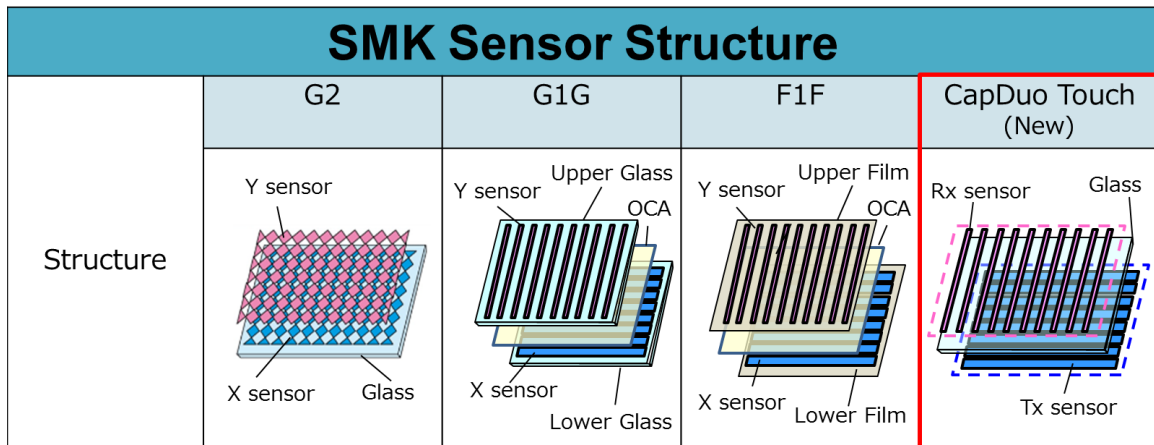
It requires no optically clear adhesive (OCA) sheet for glass bonding, reducing the parts count and hence material costs. In addition, it realizes thinner and lighter touch panels with narrower frame compared to the SMK’s conventional products consisting of two sheets of glass (“G1G”).

Its bridgeless structure brings an improved appearance. Both of the self and mutual capacitive sensing methods are supported.

SMK has already been mass producing “G2” sensor (two layers of sensor are on one side of a single sheet of glass), “G1G” (with two sheets of glass), and “F1F” (with two sheets of film) for the capacitive touch panels. The lineup has been further expanded with the newly developed “CapDuo Touch”.

Applications

Car navigation equipment and automotive center consoles.



Date Released	April 20th, 2017	
Press Release Number	1080TP	
Product Name	Capacitive Touch Panel "CapDuo Touch"	
Major Specifications	Sensing System	Capacitive (Self- / Mutual-capacitive)
	Input Method	Finger
	Input Force	0 N
	Operating Temperature Range	-30°C to 85°C
	Storage Temperature Range	-40°C to 95°C
	Typical Transparency	90% minimum (When bonding optical film)
	Reflectance	10% maximum (When bonding optical film)
	Release Date	October, 2017
Production Capacity	100,000 units per month	
Sample Price	Price dependent on customization required.	