

DawarTouch™ Capacitive Touch Screens

Capacitive touch screens are a preferred and excellent choice for highly demanding medical, public and industrial use applications such as Point-of-Sale, kiosks, ATM, gaming machines and industrial controls.

Screens are all-glass with a double sided transparent conductive coating. An electrode pattern printed along the edges distributes a low voltage field over the conductive layer.

Benefits

- Accurate control
- Excellent optical performance
- Rugged design
- Exceptional high-quality products

Performance

Input Method:	Finger
Accuracy:	≤ 1% of reported position in recommended precision area (after 25 points calibration)
Life Expectancy:	Withstand more than 300 million touches

Optics

Light Transmission:	93% ± 2% per ASTM D1003
Gloss R'60 (AG Type):	110 ± 20 GU
Haze:	≤ 1% (clear); ≤ 7%(AG)

Mechanical

Glass Thickness:	1.8mm/2.8 mm ±10% typical (glass only, not including tape, wires and solder if used), custom thickness also available
Size:	Standard and custom 6.4" to 21"
Surface Scratch Hardness:	More than 9H per ASTM-D3363
NEMA Rating:	NEMA sealable
Cleaning:	Lightly wipe the surface of the touch panel with water, isopropyl alcohol, or household neutral cleanser
Sealing:	Complete water-resistant seal obtainable with polyethylene gasket

Reliability

High Temperature Test:	80°C / 168 hrs
Low Temperature Test:	-40°C / 120 hrs
High Humidity Test:	60°C / 93% ± 2% / 240 hrs
Thermal Shock Test:	85°C / 30 min <--> -50°C / 30 min; 41 cycles
Abrasion Test:	Follow MIL-C-675C
Adhesion Test:	No deterioration, Tape test (Follow ASTM D3359)
Chemical Resistance:	Soak 15 min, fit accuracy and external appearance specification (Follow ASTM F1598-95, ASTM D1308-87)
Static Pressure Test:	>5Kgw/cm2 (Follow ASTM C147-86(2000))
Peel Resistance of FFC Tail:	>5Kgw, FFC tail solder on electrode pattern
Surface Obstructions:	Touch panel operation unaffected by surface obstructions such as dirt, dust, grease, smoke, food, etc.

Software & Interface

USB & RS232 Driver
 Driver supports: Win 95/98/Me/2000/NT/XP, XP Tablet PC, XP Embedded, Win CE (4.0/5.0) .net, Linux Kernel 2.6 up, and Mac 9.0/OS X

- ISO9001-2000 Certified Manufacturing Facility
- Continuing Research and Development
- Excellent Engineering and Technical Support Staff
- Updated Software Support