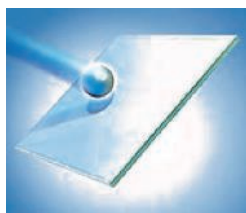




Rugged Solution for Impact Strength and User Safety



The 3M MicroTouch System SCT7650EX is a surface capacitive touch system - an ideal solution for ruggedized self-service kiosks and ATM applications – environments where impact strength, shatter resistance, brighter displays, and superior surface wear are a requirement.

As 3M's most rugged touch product, its construction combines a 3M surface capacitive touch sensor with 4mm backer glass with optically-clear lamination. This glass-on-glass laminated vandal resistant construction makes it an ideal touch solution for unsupervised, vandal-prone environments.

Available sizes—10.4” to 32”

Product Highlights

- Comply with UL 60950 safety standards (impact breakage).
- Drop a steel ball weighing 500gms from a height of 1.3 mtrs without breaking the touchscreen.
- In the event of extraordinary force, the laminated construction prevents injury from sharp shards
- IP66 / NEMA 6 sealable against liquids and other contaminants
- 8mm thickness
- Wide range of operating (-40°C to +70°C) and storage (-50°C to + 80°C) temperatures
- Enhanced light transmission value of 86.5% (+/- 1.5%)

Touch Screen Specifications

Technology	3M MicroTouch SCT7650EX Capacitive
Touch Screen Construction	Conductive coating on glass with ClearTek hardcoat and toughened glass.
Glass Thickness	7.57mm
Input Method	Finger input
Minimum Contact Requirement	5.4 milliseconds
Accuracy	Within 1% of true position
Touch Resolution	16K x 16K
Light Transmission	86.5% ± 1.5% light transmission
Surface Finish	ClearTek hard coat with anti-glare and easy glide surface
Surface Scratch Hardness	Exceeds severe abrasion test per MIL –STD-675C. Scratches by pick of Moh's hardness rating less than 7 do not affect performance.
Operating Temperature	-40 to 70 deg C
Humidity	Upto 90% RH from 0 to 35 deg C, non-condensing
Surface Obstruction	Not affected by surface contaminants like dirt, dust and grease.
Chemicals	Resistant to corrosives, as per ASTM D1308-07 & ASTM F-1598-95
Impact Resistance	Passes the UL –60950-1
Sealing Rating	Can be sealed to meet IP 66 or NEMA 4 standards
Interface	USB or Serial



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