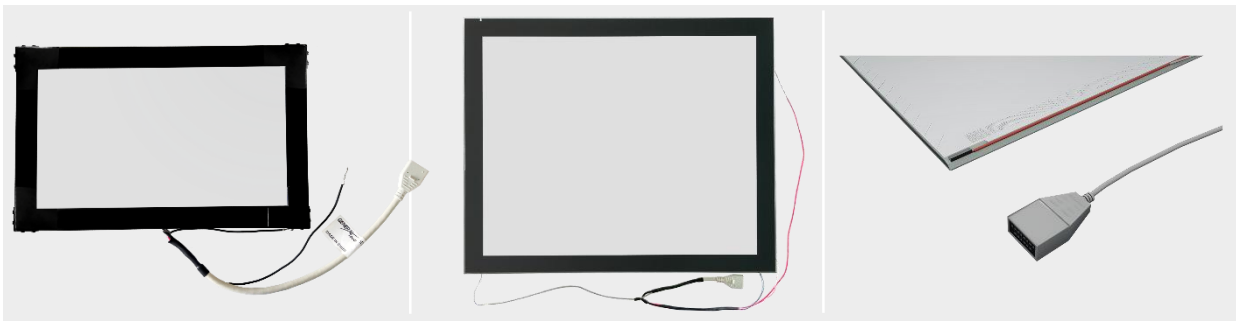


Surface Acoustic Wave Touchscreen



Product Overview

General Touch’s SAW touchscreens, based on proven surface acoustic wave (SAW) technology, use the beveled corners that virtually lower the height profile of the transducers and enable a smooth, flat integration. The thinner touchscreen allows slimmer bezel design and reduces possible damage to transducers during the integration process. Moreover, SAW touchscreens offer a longer product life and come with a five-year warranty. This type of product can be used in gaming machines, kiosk and banking machines.

The graphics quality and colors of HD resolution software applications are preserved based on the optical clarity of SAW clear glass touch technology, making SAW Touch ideal for high definition, eye-popping displays – like those seen in gaming. Customization capabilities include logos, clear icons, border buttons, and other enhancements can be added during the design cycle.



Controller

- 6000 series controller
- 7000 series controller

SPECIFICATIONS

Physical Parameters	
Touchscreen Size Range	Available for 5.4"~ 46"
Technology	SAW (Surface Acoustic Wave)
Touch Parameter	
Input Methods	Finger, Gloved hand, Acoustic absorbed stylus
Resolution	4096×4096
Positional Accuracy	Standard deviation of error is not greater than 2.5mm and typically much less with calibration to display image
Touch Response Time	≤10.4ms
Touch Activation Force(Typ.)	50g (7000series), 80g (6000series)
Electrical Parameter	
Input Voltage	12V DC
Current	95mA, typical, supply must be capable of sourcing 200mA minimum
Power	Typical power consumption is 1140mW at 12V
Noise Parameter	Total noise and ripple requirement must be less than 50mV (p-p) for frequencies above 1 MHz
Interface	Combo USB & RS232
Baud Rate	For RS232 interface: 9600bps
Environment Parameter	
Temperature	Operating: 0°C to 65°C Storage: -20°C to 85°C
Humidity (non-condensing)	Operating: 10% to 90% RH, 40°C Storage: 10% to 90% RH, 40°C
MTBF	300,000 hours demonstrated
ESD	Per EN 61000-4-2: Contact discharge 4kV, Air discharge 8kV
Agency Approvals	CE, FCC Class A, UL
Warranty	3 years

Go to www.generaltouch.com for more products and information, or contact us.

General Touch Co., LTD reserves the right to change or update, without notice, any information contained herein; to change, without notice, the design, construction, materials, processing or specifications of any products; and to discontinue or limit production or distribution of any products.

Tel: 0086-28-85124120

Fax: 0086-28-85124115

E-mail: info@generaltouch.com

<http://www.generaltouch.com>

Touch Screen Ordering Information

Contact sales for other options

Size	Glass Thickness	P/N	Model Name	External Dimensions	Viewable Area	Dustproof	Waterproof	Vandal proof	Anti-glare
6.5"	4	110101596R	SCTL4B6d5R	153*118	136*103				
8.4"	4	110101081R	SCTL4B8d4R	207*164	183*142				
10.1"	6	110101943R	SCTL6B10D1LWSBR			●	●	●	
10.4"	3	110100020R	SCTL3B10d4R	244*187	217*161				
	4	110100060R	SCTL4B10d4R	244*187	217*161				
	4	110101249R	SCTL4B10d4PIR	252.5*200.5	247.5*195.5	●			
	6	110100172R	SCTL6B10d4SR	244*187	217*161			●	
	6	110100173R	SCTL6B10d4WSR	259.5*203.5	254.5*198.5	●	●	●	
12.1"	4	110100061R	SCTL4B10d4AR	244*187	217*161				●
	3	110101877R	SCTL3B12d1R	278*210	248*186				
	4	110100067R	SCTL4B12d1R	278*210	248*186				
	3	110100283R	SCTL3B12d1AR	278*210	248*186				●
	4	110100069R	SCTL4B12d1AR	278*210	248*186				●
	6	110100174R	SCTL6B12d1SR	278*210	248*186			●	
15"	6	110100972R	SCTL6B12d1WSR	294*228.5	285.5*223.5	●	●	●	
	4	110100071R	SCTL4B12d1PIR	287.5*225.5	282.5*220.5	●			
	3	110100026R	SCTL3B15R	328*256	308*232				
	4	110101421R	SCTL4B15CR	336*264	304.4*228.4	●			
	4	110100078R	SCTL4B15d1R	345*261	310*234				
	4	110100083R	SCTL4B15d1R-N15	327*256	310*234				
	4	110100094R	SCTL4B15d1SR	345*261	310*234			●	
	6	110100183R	SCTL6B15d1SR	345*261	310*234			●	
	6	110100186R	SCTL6B15d1SR-N15	328*259	310*234			●	
	4	110100087R	SCTL4B15d1PIR	349.5*273.5	344.5*268.5	●			
	6	110100179R	SCTL6B15d1PSIR	349.5*273.5	344.5*268.5	●		●	
	6	110100846R	SCTL6B15d1WS1R	354.5*278.5	349.5*273.5	●	●	●	
	4	110100081R	SCTL4B15d1AR-N15	327*256	310*234				●
	4	110100088R	SCTL4B15d1PIAR	349.5*273.5	344.5*268.5	●			●
	6	110100180R	SCTL6B15d1PSIAR	349.5*273.5	344.5*268.5	●		●	●
6	110100184R	SCTL6B15d1SAR	345*261	310*234			●	●	
6	110100855R	SCTL6B15d1WSA1R	354.5*278.5	349.5*273.5	●	●	●	●	
15.6"	4	110101651R	SCTL4V15D1ZC1R	350*274	305*229				
	6	110101161R	SCTL6B15D6PIBR	387*236.5	344*193.5	●			
	6	110101745R	SCTL6B15D6PISBR	387*236.5	344*193.5	●		●	
17"	6	110101769R	SCTL6B15D6PISABR	387.5*237	344*193.5	●		●	●
	4	110101420R	SCTL4B17CR	368.0*306.0	339.0*271.3	●			
	3	110100044R	SCTL3B17R-N17	362*299	342*276				
	3	110100045R	SCTL3B17R-S17	357*295	342*275				
	4	110100097R	SCTL4B17R	382*312	346*278				
	4	110100104R	SCTL4B17R-N17	362*299	342*276				
	4	110100115R	SCTL4B17R-S17	357*295	342*275				
	6	110100197R	SCTL6B17SR	382*312	346*278			●	
	6	110100201R	SCTL6B17SR-N17	362*299	342*276			●	
	4	110100109R	SCTL4B17PIR	388.5*320.5	383.5*315.5	●			
	6	110100607R	SCTL6B17PIR	388.5*320.5	383.5*315.5	●			
	6	110100194R	SCTL6B17PSIR	388.5*320.5	383.5*315.5	●		●	
	6	110100852R	SCTL6B17WS1R	395*327	390*322	●		●	
	4	110100099R	SCTL4B17AR	382*312	346*278				●
	4	110100110R	SCTL4B17PIAR	388.5*320.5	383.5*315.5				●
	4	110100100R	SCTL4B17AR-N17	362*299	342*276				●
	4	110100102R	SCTL4B17AR-S17	357*295	342*275				●
	18.5"	6	110100198R	SCTL6B17SAR	382*312	346*278			●
6		110100195R	SCTL6B17PSIAR	388.5*320.5	383.5*315.5	●		●	●
6		110100856R	SCTL6B17WSA1R	395*327	390*322	●	●	●	●
4		110101657R	SCTL4V17ZC1R	388*320.5	340*272.5				
4		110101278R	SCTL4B18d5BR	431*255	412*232				

Touch Screen Ordering Information

Contact sales for other options

Size	Glass Thickness	P/N	Model Name	External Dimensions	Viewable Area	Dustproof	Waterproof	Vandal proof	Anti-glare
19"	4	110101419R	SCTL4B19CR	414.7*342.7	376.3*301	●			
	4	110100123R	SCTL4B19R-JS	409*335	386*307				
	4	110101435R	SCTL4B19BR	438*284	410*256				
	4	110100124R	SCTL4B19R-N19	414*335	386*307				
	4	110100129R	SCTL4B19R-S19	404*330	380*305				
	6	110101104R	SCTL6B19SBR	450*296	416*262			●	
	6	110101849R	SCTL6B19SR	426*347	386*307			●	
	4	110100127R	SCTL4B19PIR	430.5*354.5	425.5*349.5	●			
	4	110101110R	SCTL4B19PIBR	460.5*306.5	455.5*301.5	●			
	4	110101110R	SCTL4B19PSIR	442.5*364.5	437.5*359.5	●		●	
	6	110101066R	SCTL6B19PSIR	442.5*364.5	437.5*359.5	●		●	
	6	110100854R	SCTL6B19WS1R	442.5*364.5	437.5*359.5	●	●	●	
	4	110100817R	SCTL4B19PIAR	430.5*354.5	425.5*349.5	●			●
	4	110100121R	SCTL4B19AR-S19	404*330	380*305				●
	4	110100120R	SCTL4B19AR-N19	414*335	386*307				●
	6	110100892R	SCTL6B19PSIAR	442.5*364.5	437.5*359.5	●		●	●
6	110100891R	SCTL6B19WSA1R	442.5*364.5	437.5*359.5	●		●	●	
4	110101744R	SCTL4V19ZC1R	430.3*353.1	378.32*303.06					
20"	4	110100133R	SCTL4B20d1R	450*348	414*312				
21"	4	110101809R	SCTL4B21R	472*362	434*328				
21.5"	4	110101240R	SCTL4B21d5BR	512*304	484*276				
	4	110102035R	SCTL4B21D5SBR	512*304	484*276			●	
	6	110101991R	SCTL6B21D5SBR	512*304	484*276			●	
	4	110101406R	SCTL4B21D5PIBR	539.5*331	477.5*269	●			
	4	110102003R	SCTL4B21D5ABR	512*304	484*276				●
	4	110101704R	SCTL4V21d5BZC1R	532*324	476.5*268				
22"	4	110100952R	SCTL4B22BR	500*325	475*298				
	6	110101433R	SCTL6B22SBR	520*343	478*300			●	
	4	110100994R	SCT4B22PIBR	523.5*346.5	518.5*341.5	●			
	4	110101021R	SCT4B22PISBR	523.5*346.5	518.5*341.5	●		●	
4	110100978R	SCTL4B22ABR	500*325	475*298				●	
23"	4	110100139R	SCTL4B23BR	546*318	513*290				
	4	110101432R	SCTL4B23PIBR	559*336	509*286.4	●			
	4	110101743R	SCTL4V23BZC1R	569*346.5	511*288.5				
23.1"	4	110100138R	SCTL4B23d1BR	544*320	513*290				
24"	4	110100732R	SCTL4B24BR	560*366	522*328				
26"	4	110100724R	SCTL4B26BR	623*372	584*332				
	4	110101222R	SCTL4B26PIBR	632*380	627*375	●			
6	110101098R	SCTL6B26PIBR	638.5*386.5	633.5*381.5	●				
27"	4	110101547R	SCTL4B27PIBR	662*400	600*338	●			
	4	110101806R	SCTL4V27BZC1R	667.6*406.2	599.6*338.2				
32"	4	110100146R	SCTL4B32BR	760*450	716*406				
	4	110101225R	SCTL4B32PIBR	772.5*462.5	767.5*457.5	●			
	4	110101670R	SCTL4V32BZC1R	781*477	699.7*394.3				
40"	4	110101032R	SCTL4V40BR	938*542	890*500				
42"	4	110100878R	SCTL4V42BR	985*585	944*544				
46"	4	110100815R	SCTL4B46FR	1073*617	1028*577				

Optional Accessories

Cable order information for Touch Screen

P/N	Description	Length	Interface	Controller
130300083R	SCCVU175B	1750mm	USB	ST6002U
130300730R	SCCVU150A	1500mm	USB	ST7002U
130300106R	SCCTU175D	1750mm	USB	ST6001SU/ST7001SU/ST7201SU/ST7101SU
130300187R	SCCTS175D	1750mm	RS232	ST6001SU/ST7001SU/ST7201SU/ST7101SU
130300182R	SCCTI050C	500mm	USB & RS232	ST6001SU/ST7001SU/ST7201SU/ST7101SU

Controller order information for Touch Screen

P/N	Model	Voltage	Current	Interface	Touch Activation force	Operating Temperature	Storage Temperature
110200671R	ST6002U	5VDC	60mA	USB	80g	0°C to 65°C	-20°C to 85°C
110200663R	ST7002U	5VDC	60mA	USB	50g	0°C to 65°C	-20°C to 85°C
110200629R	ST6001SU	12VDC	95mA	USB & RS232	80g	0°C to 65°C	-20°C to 85°C
110200655R	ST7001SU	12VDC	80mA	USB & RS232	50g	0°C to 65°C	-20°C to 85°C
110200656R	ST7201SU	12VDC	80mA	USB & RS232	50g	0°C to 65°C	-20°C to 85°C
110200556R	ST7101SU	12VDC	140mA	USB & RS232	50g	0°C to 65°C	-20°C to 85°C

Touchscreen Product Selection Table

Touch screen size	6.5	8.4	10.4	12.1	15	17	18.5	19	21.5	22	23	24	27	32	42	46
Controller	ST6002U/ST7002U					ST6001SU/ST7001SU							ST7201SU			ST7101SU