tyco Electronics

elo TOUCHSYSTEMS

iTouch Surface Wave

The Ultimate Touch Technology for CRTs

BENEFITS:

- No overlay - touch the tube directly!
- Preserves 100% of the original image quality
- Up to 20% brighter and 80% less reflection
- No overlay to break
- Continues to work even if scratched

iTouch touchmonitors, utilizing patented touch-on-tube surface wave technology, are the ultimate, picture-perfect touch solution for applications that demand high image quality. Touches are sensed through surface waves on the CRT faceplate itself. By completely eliminating the touchscreen overlay, Elo preserves 100% of the original picture quality, including clarity, colors, and brightness, and reflections are reduced by up to 80% compared with a traditional touchscreen overlay. With its super-sensitive, stable, drift-free operation and no parallax, Elo's iTouch touchmonitors guarantee a touch response that is on target. CRT touchmonitors with iTouch are available from Elo in desktop and open or closed frame chassis configuration from 15" to 21".

APPLICATIONS:

- Kiosks
- Gaming and amusement
- Digital photo print stations
- Medical imaging
- Light industrial

tyco Electronics

Touch the itouch tube directly—no touchscreen overlay needed

2500S serial controller board

2500U USB controller board

iTouch Surface Wave

MECHANICAL	
Input Method	Finger or gloved hand (cloth, leather, or rubber) activation
Available Sizes	15" to 21"; visit our Web site for full specifications and other offerings
ELECTRICAL	
Positional Accuracy	Standard deviation of error is less than 0.080 in. (2 mm)
Resolution	Touchpoint density is based on controller resolution of 4096 x 4096, plus 255 levels corresponding to touch pressure
Touch Activation Force	Typically 2 to 3 ounces (55 to 85 grams)
Controller	Board: Serial (RS232) or USB 1.1
OPTICAL	
Light Transmission	100%
ENVIRONMENTAL	
Temperature	Operating: –20°C to 50°C Storage: –40°C to 71°C
Relative Humidity	Operating: 40°C at 90% RH, noncondensing
Altitude	Operating: 10,000 ft (3,048 m) Storage/transport: 50,000 ft (15,240 m)
Chemical Resistance	The touch active area of the touchmonitor is resistant to chemicals that do not affect glass, such as: acetone, toluene, methyl ethyl ketone, isopropyl alcohol, methyl alcohol, ethyl acetate, ammonia- based glass cleaners, gasoline, kerosene, vinegar
Electrostatic Protection	Per EN 61000-4-2, 1995: Meets Level 4 (15 kV air/8 kV contact discharges)
Agency Approvals	UL, cUL, TÜV, CE, FCC Class A
Sealability	Can be sealed to meet NEMA 3/3R/5/12/12K/13, IP64 standards; Elo kiosk and gaming iTouch monitors include a watertight seal.
Surface Durability	Surface durability is that of glass, Mohs' hardness rating of 7
Expected Life	No known wear-out mechanism, as there are no layers, coatings, or moving parts. iTouch technology has been operationally tested to more than 50 million touches in one location without failure, using a stylus similar to a finger.
Warranty	See monitor warranty

elo TOUCHSYSTEMS

Find out more about Elo's extensive range of touch solutions. Go to www.elotouch.com, or simply call the office nearest you.

Corporate Headquarters
Elo TouchSystems
301 Constitution Drive
Menlo Park, CA 94025-1110

800-ELO-TOUCH
Tel 1-650-361-4700
Fax 1-650-361-4747
eloinfo@elotouch.com

Europe Headquarters
Tel +32 (0)16 35 21 00
Fax +32 (0)16 35 21 01
elosales@elotouch.com

Asia-Pacific Headquarters
Tel +81 (45) 478-2161
Fax +81 (45) 478-2180
www.tps.co.jp

Latin America Headquarters
Tel 1-305-717-6715
Fax 1-305-717-4909
www.elotouch.com.ar