

Infrared Multi-Touch Screen

# ETS E Series

## Technical Specification

Customer Approved

采购部 PURCHING	品管部 QC	研发部 R&D	签章

Manufacturer

拟制 DRAWING	审核 1 CHECK1	审核 2 CHECK2	批准 RATIFY	签章

Version	Date	Information Source	Update Details
1.0	2015-1-26		Release

## 1 Characteristics

EverTouch E series infrared multi-touch screen is designed with thin and slim frame. It can be integrated into LCD monitor or any flat display device easily, and providing new look of display devices.

### Features:

- True multi-touch points
- Support from 2 to 10 touch points
- Integrated controller
- Fast response and writing smoothly
- High precision
- Stable and no drift
- Work well under direct sunlight

### Typical Applications:

- All-in-one computer
- Video conference system
- Kiosks
- Self-service terminal
- Interactive advertising machine



## 2 Specifications

### 2.1 GENERAL SPECIFICATIONS

Item	Description	Remarks
Touch Input Method	Pen, Finger, Finger of gloved hand Activation	
Detection Method	Infrared rays	
Available Touch Point	Max. 10 points simultaneous	
Response Time	First click<16ms	
	Repeated click<6ms	
Ambient Light	Operating normally with sunlight below 100k lux	As angle of incidence to touch panel 20° ~ 90°
Available Object Size for Touch	Multi-touch: Min. Φ6mm	
	Single-touch: Min. Φ3mm	
Operation System	Windows 8/7/XP, MAC OS X, Linux, Android	

### 2.2 MECHANICAL SPECIFICATIONS

Item	Description	Remarks
Frame	Black	
Touch Area	(H) x (V)	
Outside Size	(H) x (V)	
Thickness	8.2mm	
Surface durability	Vickers hardness 5.0~7.0GN/m <sup>2</sup>	

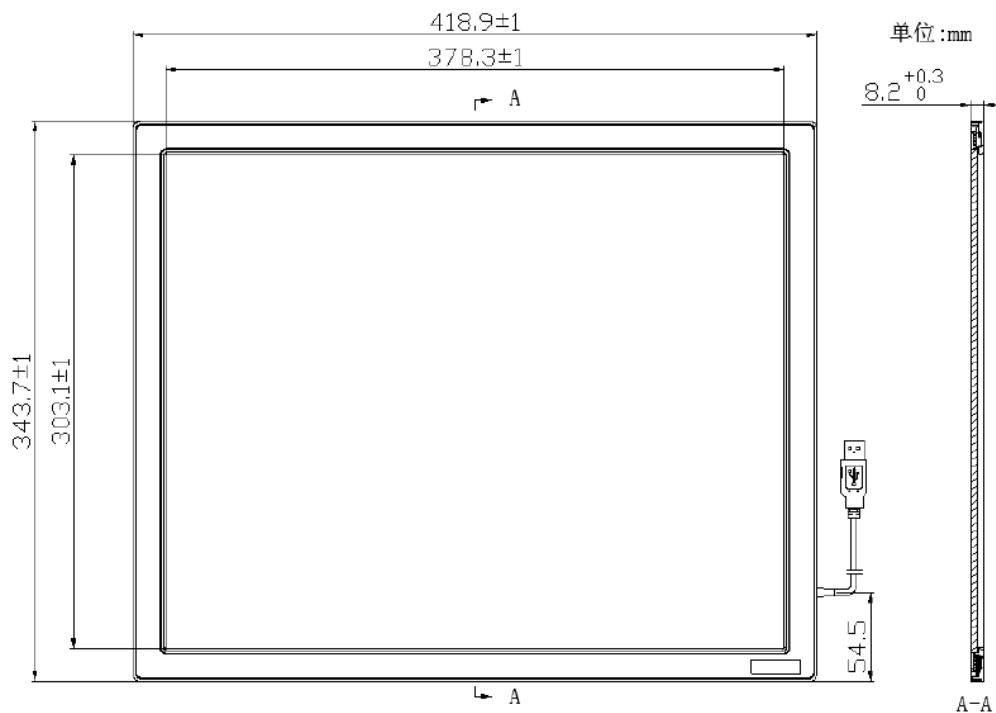
### 2.3 ELECTRICAL SPECIFICATIONS

Item	Description	Remarks
Operation Voltage	DC 4.75 to 5.25V	
Power Consumption	<1W	
Interface	USB 2.0 (full speed)	A type plug
	Serial port	115200bps
ESD	Contact	4KV
	Air	8KV

### 2.4 RELIABILITY

ITEM	Specification	Remarks
Ambient Temperature	Operating	-20°C~60°C
	Storage	-40°C~85°C
Humidity	10%~90%RH	
Warranty	1 year	

## 3 Mechanical Dimension



Remark: Standard length of USB cable is 800mm (Customization available)

Model	Length(Outside)	Width(Outside)	Length(Touch Area)	Width(Touch Area)
E-«SIZE»-X	«H»	«W»		

Dimensions (Ratio      Unit : mm)

## 4 Ordering information

E-X1-X2-X3

(1)      (2)      (3)      (4)

### Notes (S2 series):

Part name	Information	Value	Remark
(1)	Product Series	E	
(2)	Active Area of Display	15,17,19,21.5	Unit: inch
(3)	Available Touch point simultaneous	2, 4, 6, 10.	
(4)	Interface type	UA, UB, C	UA=USB A type plug UB= USB B type plug C= Other interface

Example :

**E-9-2-UA** : E series product with size of 19 inch, 2-point true touch points, USB A type.

## 5 RoHS Compliance

EverTouch S2 series are RoHS compliant.